SARS EDI
User Manual

Version 17

SARS
At Your Service

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NOTICE: Changes marked with Green are for MPR & PP and will be effective as per the go-live dates of the project.

1. INTRODUCTION

1.1. *STRUCTURE OF THE SARS EDI USER MANUAL*

This manual is divided into a number of sections for clarity and ease of maintenance. The sections are outlined below.

SECTION 1 - INTRODUCTION

This section gives general information about the use and structure of the manual as well as the process to be followed in order to register in terms of Section 101A of the Customs and Excise Act for Electronic Commerce.

SECTION 2 - TERMS AND DEFINITIONS

Any specific terms, acronyms, abbreviations etc. specified in the document are explained in this section.

SECTION 3 - SERVICE SEGMENTS

This section outlines the use of service segments required by SARS for UN/EDIFACT messages (i.e. UNB, UNZ, UNH, UNT and UNS).

SECTION 4 - SARS COMMUNICATIONS ADDRESS DETAILS

This section contains SARS' X.400 as well as its Internet address details.

SECTION 5 - CODE LISTS

This section contains both the national code lists that are maintained by the South African Revenue Service as well as relevant international code lists, where applicable. Please note that, as from version 14 of the SARS EDI User Manual, only code lists that do not appear within the Customs Manual for Completion of Declarations (Ref. SC-CF-04), are included here. The mentioned manual, may be downloaded from the SARS web site at http://www.sars.gov.za/.For External Service Providers to the Customs and Trade, SARS will e-mail updates in regard to system code lists and other systems related changes as and when they are planned.

SECTION 6 - INTERPRETATION OF UN/EDIFACT DOCUMENTATION

This section gives an explanation of how the Data Mapping Guides are to be interpreted. Each column represented in the DMG is described in detail.

SECTION 7 - SARS UN/EDIFACT MESSAGES

This section contains all current UN/EDIFACT messages used by SARS with details on how to map SARS data requirements to relevant UN/EDIFACT message structures as well as the correlating branching diagrams.

1.2. *PURPOSE OF THE MANUAL*

The purpose of this user manual is to help new and existing trading partners of SARS to implement UN/EDIFACT messages. The list below will be added to as and when new message types are implemented.

The messages described in this document are:

CUSDEC -   CUSTOMS DECLARATION MESSAGE (D95B)

(Import declarations)

(Exports declarations)

CUSRES -   CUSTOMS RESPONSE MESSAGE (D96B)

(Response to Import and Export declarations)

(Response to Release Authorities)

(Response to Permit Issuing Authorities)

(Response to Depots / Warehouses / Shipping Lines)

(Responses for ACM (Automated Cargo Management) System)

CONTRL -   SYNTAX AND SERVICE REPORT MESSAGE (D3)

GESMES -   GENERAL STATISTICAL MESSAGE (D96B)

(Rates Of Exchange to Agents)

SANCRT -   INTERNATIONAL MOVEMENT OF GOODS

GOVERNMENTAL REGULATORY MESSAGE (D96B)

(Permits from Issuing Authorities)

CALINF -   CALL INFORMATION (D99B)

(Call Information)

(Arrival Notification)

CUSCAR -   CUSTOMS CARGO REPORT (D95B)

(Manifests:

- COM - Container Master. FCL and LCL Cargo reported by the master cargo carrier on Master Bill Of Lading level/
- COH - Container House. FCL Groupage Cargo reported by the Groupage operator/ NVOCC on House Bill Of Lading level.

- BBB - Bulk/Break-bulk Manifest
- ECL - Empty Container List
- FFM - Airline Flight Manifest
- FWB - Air cargo reported on a Master Air waybill
- HAB - Air cargo reported on House Air waybill
- RMA - Rail Manifest (Rail Consignment Note)
- RFM - Road Freight Manifest)
- AQM – Acquittal Manifest

COARRI - CONTAINER DISCHARGE/LOADING REPORT (D96B)

(Discharge and load information)

CODECO - CONTAINER GATE-IN/GATE-OUT REPORT (D95B)

(Gate-in and gate-out information)

COSTCO - CONTAINER STUFFING/STRIPPING CONFIRMATION (D95B)

(Outturn reports:

- DOR = Depot Cargo Outturn Report (Imports) - Per Voyage, could be more than one container. To be supplied by Container Depots only.
- BBB = Bulk/Break Bulk/Cargo Outturn Report (Imports) - Per Voyage, per Consignment or multiple consignments. To be supplied by Portnet (B/BB) and Wharfage Operators.
- VOR = Vessel Outturn Report (Imports). Unmanifested excess, per Voyage. To be supplied by Container Depots, Portnet (B/BB) and Wharfage Operators.
- DCR = Discrepant Package Content Report (Imports). Per Voyage. To be supplied by Container Depots, Portnet (B/BB) and Wharfage Operators.
- AOR = Air Cargo Outturn Report - Per Flight, per Consignment or multiple consignments. To be supplied by air cargo transit sheds and licensed degrouping depot operators
- ADP = Air Discrepant Package Content Report (Imports). Per Voyage. (DRAFT)
- EOR = Air Excess Outturn Report - Per Flight, per Consignment or multiple consignments. To be supplied by air cargo transit sheds and licensed degrouping depot)

PRODAT - PRODUCT DATA (D96B)

(Tariff Amendments)

REQDOC - REQUEST FOR DOCUMENT MESSAGE (D99B)

(CUSRES re-transmission request)
(Request for Statement of Account)

STATAC - STATEMENT OF ACCOUNT (D96B)

(Daily and Detail transaction listings to traders with deferment accounts that are registered to have their FAN {Financial Account Number} linked to an EDI profile.)

These messages are based on the following rules and guidelines:

UN/EDIFACT Syntax Rules

UN/EDIFACT Syntax Implementation Guidelines

UN Trade Data Interchange Directory Issue (UNTDID)

The various code sets

1.3.   *TARGET AUDIENCE*

This user manual is intended for EDI systems designers and implementers who have a basic knowledge of UN/EDIFACT syntax and procedures and should be of use, therefore, to competent EDI technicians.

Persons reading this document who do not have a prior knowledge of UN/EDIFACT should read the following documents:

- ISO 9735 Syntax rules document (contained in Section 3)

- Syntax implementation guidelines document

- UN/EDIFACT Message Design Rules document

- UN/EDIFACT Procedures document

The latest versions of the above documents are available from UN/ECE CEFACT or on their web site http://www.unece.org/cefact/umm/umm_index.htm

1.4.   *WHAT IS EDI ?*

1.4.1. Executive Summary

The rise in worldwide competition has concentrated businesses' minds to develop better ways of managing the flow of raw materials, stocks and finished goods through the supply chain. Electronic Data interchange or EDI addresses the information flow processes within these complex systems. EDI is a vital tool available to every business allowing them to conduct their transactions electronically for increased efficiency and productivity. The ability to gain accurate timely data about the movement of goods and to communicate it unambiguously has transformed management information systems. However, it is important to understand that EDI cannot be viewed as a strictly technical MIS project.

EDI is not a technology but a tool that can effectively be used to redesign information driven business processes. EDI should not be an end in itself, the effort of implementation

should be directed at enabling suppliers to meet their customers' requirements consistently and reliably via a mutually cost-effective supply chain. This, with the understanding that each company is both a supplier and a customer as it faces both up and down a particular supply chain.

For every organisation, the successful implementation of EDI will be a multi-disciplinary project requiring a high level commitment not only from upper management but from a broad spectrum of functional managers responsible for different areas of activity. Corporate policies and procedures will need to be examined, current functional procedures may require revision and new business relationships will be established and managed. At the center of the system lies the better use and sharing of information internally and between trading partners so that dependency can be more informed and reliable.

Companies are not part of a single supply chain but rather form networks of chains with common points of interconnection, often transcending sectoral boundaries. The individuality of particular supply chains has to be acknowledged with the understanding that a common approach is of benefit to all when analysing the means of improving operations. The use of UN/EDIFACT standards are a vital part of the overall improved business process. Working together, effectively building trading partnerships is essential. The benefits and risks are mutual. Reductions in costs and gains in efficiency, however these are measured, have to benefit both supplier and customer if long term development and improvement are to take place.

1.4.2. An Introduction to EDI

Every day, businesses generate and process a staggering volume of paper documents. The paper documents, ranging from purchase orders and invoices to Customs Declarations and Customs Cargo Reports provide the vital information flow which must precede, accompany or follow the physical goods in a commercial transaction. Any interruption in the physical or information flows halts the smooth operation of the supply chain, leading to significant cost overruns.

In recent years, companies have channeled vast amounts of resources into streamlining the physical production and distribution processes. Considerably less attention has been devoted to the benefits of improving the information flow within and between organisations. Management, faced with increasingly competitive markets, cannot afford to ignore any tool for improving their company's ability to manage information effectively enabling them to make the right decisions at the right place and at the right time. EDI is much more than another technology; it is a way of managing information. In the decade of the 90's and beyond, the accurate and prompt acquisition, manipulation and use of information needed to manage any organisation, will distinguish the highly competitive and profitable company from the rest.

1.4.3. Basic Definition of EDI

Today, a majority of the data in commercial paper documents is generated from existing computer applications. These paper documents are printed and copied before the information they contain is finally communicated by mail or fax. The business partner in turn, re-keys all this information into another computer application for further processing. An increasing number of companies have found the above process extremely slow, costly and unreliable. The need for a faster, cheaper and more accurate solution for exchanging commercial data has become a significant priority for many companies and organisations.

EDI or Electronic Data Interchange can be conceptualised as paper-less trading. A common and useful definition of EDI is:

> The transfer of <u>structured data</u>, by agreed message <u>standards</u>, from one <u>computer application</u> to another by electronic means <u>without human intervention</u>.

The structuring of data by agreed message standards implies that the data or information to be exchanged is recognisable, both in content, meaning and format, allowing it to be processed automatically and unambiguously by computers. Two companies deciding to implement EDI are by definition agreeing on the type of data they will exchange, and how the data will be presented. The implementation of EDI demands a much greater degree of cooperation, collaboration and a sharing of information between partners, effectively building trading partner relationships.

EDI provides trading partners with an efficient business tool for the automatic transmission of commercial data from one computer application directly to another. Companies do not need to worry about different incompatible computer systems. Through the use of EDI message standards like UN/EDIFACT, data may be communicated quickly, efficiently and accurately irrespective of users' internal hardware and software types.

1.4.4. The Components of an EDI System

The three components or building blocks of an EDI system are standard messages, EDI enabling software and electronic communications.

1.4.4.1. *Standard Messages*

EDI and message standards have become inter-dependent as EDI has progressed from proprietary, closed systems to open systems. A simple analogy illustrating the need for message standards can be constructed by considering human communication and languages. We can imagine in the best case scenario a situation where an interpreter can facilitate communication between two people speaking two different languages, but what would happen if the number of people suddenly increases to 10 or 190 ? Without a common language the situation would rapidly become chaotic.

Computer communications and applications also need a common language in order to understand each other, and this common language is to be found in the UN/EDIFACT (United Nations Electronic Data Interchange For Administration, Commerce and Transport) standard.

1.4.4.2. *EDI Enabling Software*

The basic functionality of EDI enabling software, usually known as the EDI translator/converter, is that of translation of incoming messages from a message standard such as UN/EDIFACT to a company's internal in-house file format and vice-versa for out-going messages.

However, in addition to the translator functionality, off-the-shelf EDI software packages will also contain additional functionality which usually include conversion of multiple message standards and message versions, maintenance of trading partner profiles, application interfaces, a communications module to communicate directly or via one or more third party value added networks, management information on incoming and outgoing messages including audit trails, manual menu driven data-entry modules and security or access control by way of passwords.

1.4.4.3. Communications and Networks

Once the data from an application has been converted from an in-house file format to a standard message format by means of the EDI software, the data must be communicated or physically transferred to the intended message recipient.

Returning to the analogy of human communication and languages, even if everybody in a group speaks the same language, if everybody would try to speak at once, the result would once again most probably be chaos. Data communications also require some form of discipline in order to achieve an orderly transfer of information and this is accomplished through communication protocols.

In addition, there will be several possible telecommunication network options that will carry the function of transfer medium for the data communications. Some of these options include the Internet, point-to-point private leased line communications, use of the public telephone network or a public data or packet switched network or a third party value-added network service.

SARS currently uses the X.400 communications protocol as well as the Internet AS/2 and AS/3 EDIINT protocols for message transfer between itself and its trading partners.

1.4.4.4. SARS EDI Infrastructure

Here is a graphic depiction of the SARS EDI infrastructure.
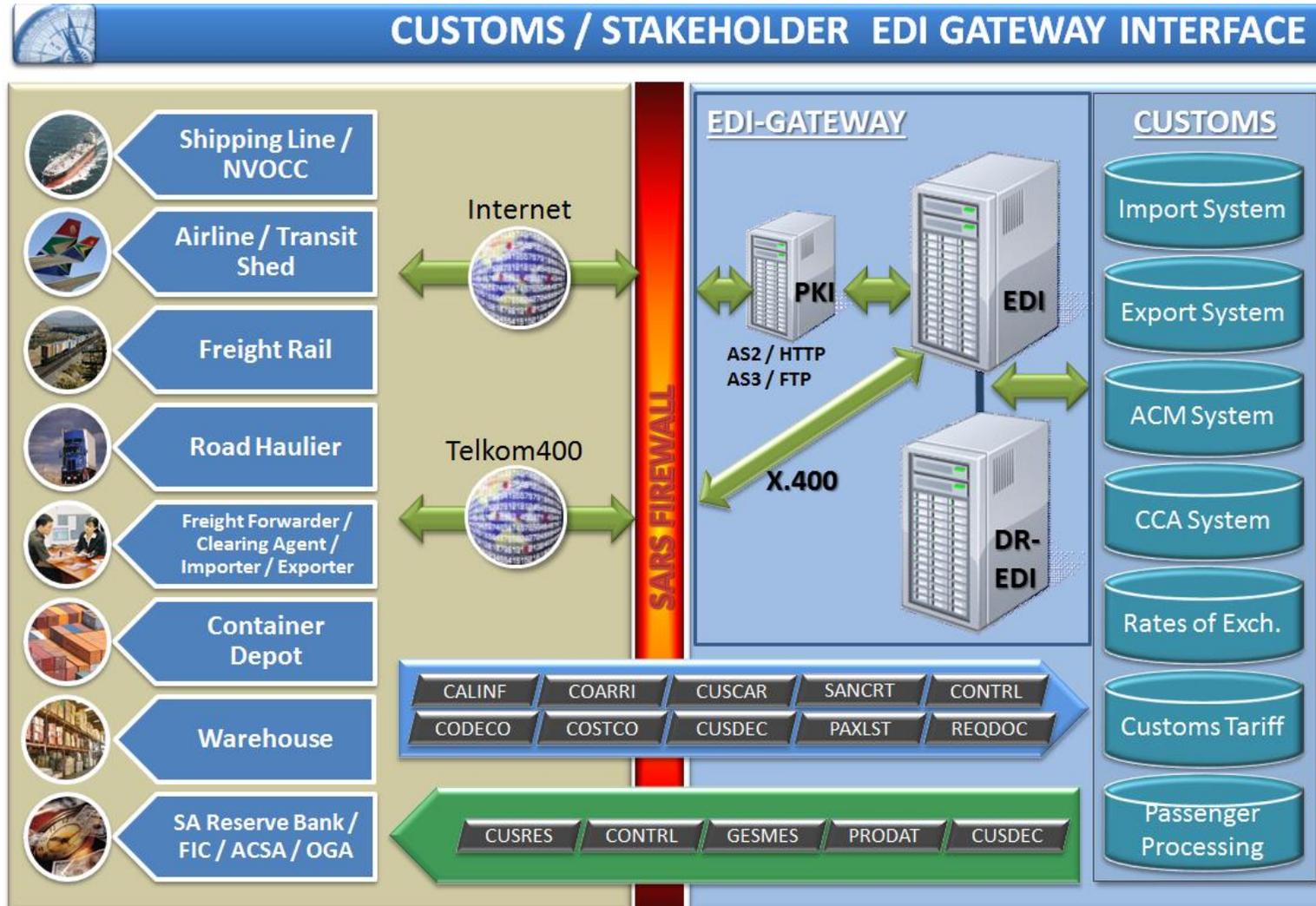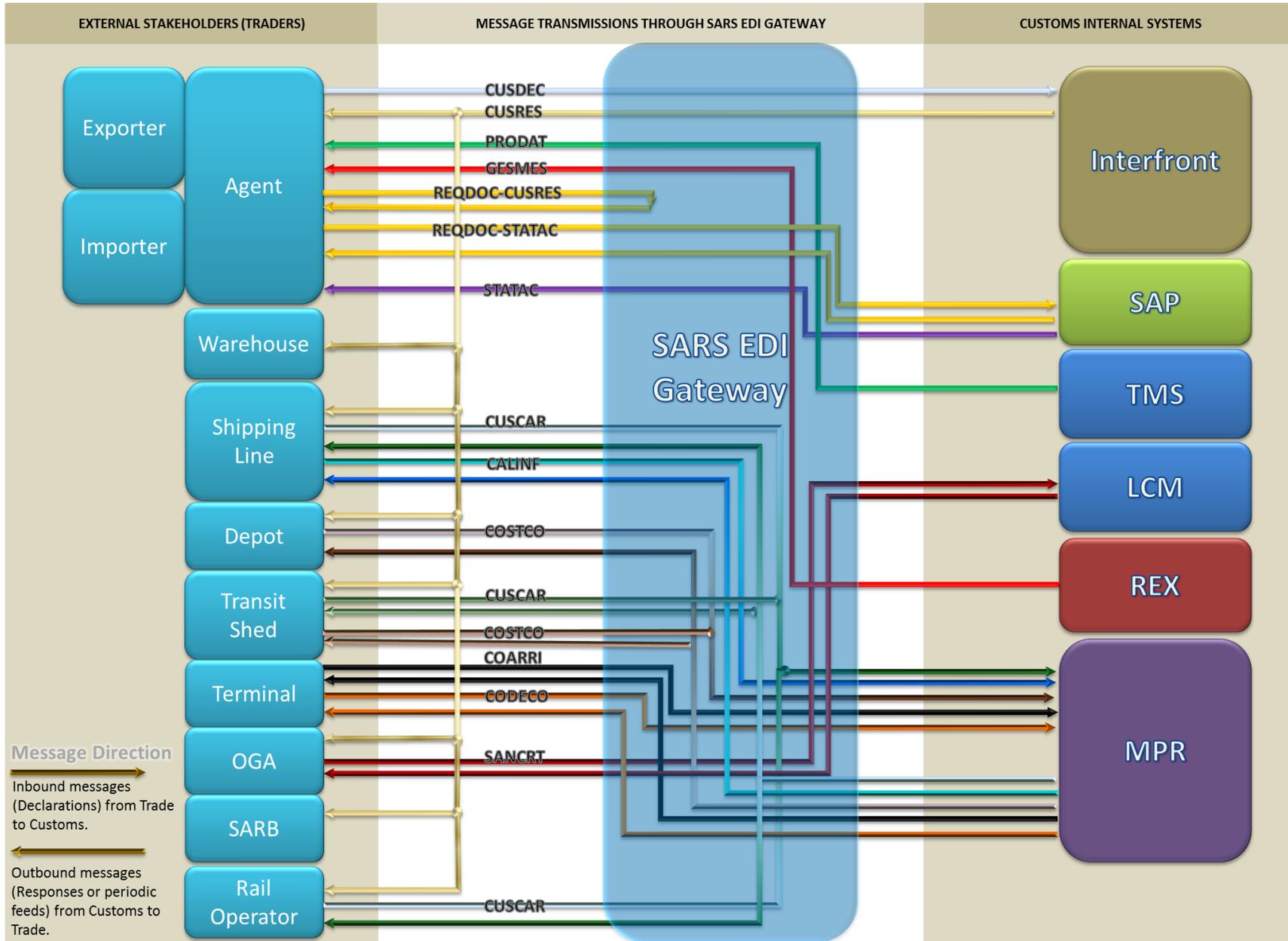
Overview of SARS EDI Landscape

PROD	LIVE Trading Partner	AS/2 WDP XB62 / AS/3 WDP XB62 / X.400 ISODE	B2Bi	ICBS
TEST	TEST Trading Partner	AS/2 WDP XB62 / AS/3 WDP XB62 / X.400 ISODE	B2Bi	ICBS
DEV	SARS TEST Trading Partner	AS/2 WDP XB62 / AS/3 WDP XB62 / X.400 ISODE	B2Bi	ICBS
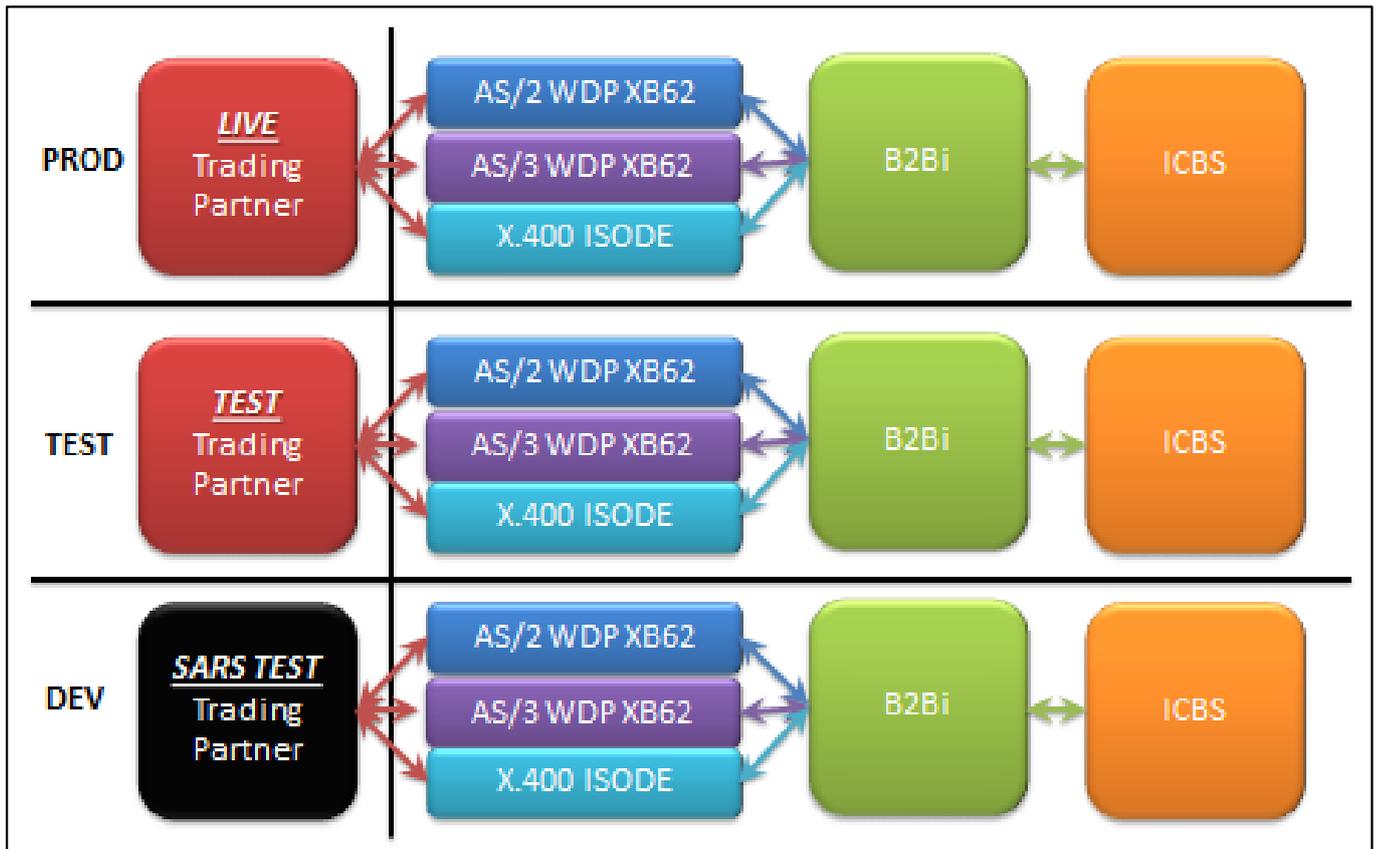
1.5. *INTRODUCTION TO UN/EDIFACT*

The UN/EDIFACT standard has developed in response to the growing need for a common standard for data transmission using EDI facilities that is platform independent.

UN/EDIFACT is defined as the **U**nited **N**ations rules for **E**lectronic **D**ata *I*nterchange for **A**dministration, **C**ommerce and **T**ransport. They comprise a set of internationally agreed standards, directories and guidelines for the electronic interchange of structured data, and in particular that related to trade in goods and services, between independent computerised information systems.

A UN/EDIFACT transmission consists of one or more UN/EDIFACT messages, each of which consists of logically grouped segments. An interchange begins with a UNB segment and ends with a UNZ segment. Each message starts with a header segment (UNH) and ends with a trailer segment (UNT). An optionally included UNA segment preceding the UNB segment is used to 'set' the syntax characters to be used.

A two message interchange can be represented as follows:
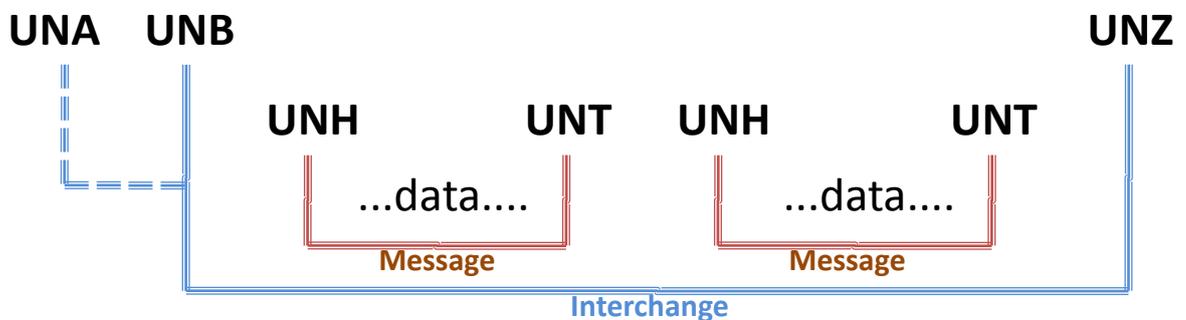
Depending on size and type, messages can be divided into three distinct sections: header, detail and summary. A header section will contain data that is relevant to the whole message. The detail section contains data relevant to a particular item that can occur a number of times within a message (e.g. invoice line, customs item). The summary section contains summary and control information relevant to the whole message. Sections are often separated by UNS segment (e.g. CUSDEC) but may not always be the case (e.g. CUSCAR message).

A data segment is an intermediate unit of information in a message. It consists of a set of pre-defined, functionally related data elements and has a three letter identifier. Segments can be mandatory or conditional. In general, only specified segments (such as the service segments (start with UN), header segments and certain trailer segments) are mandatory.

Each data segment is terminated by a special character inserted in the data segment immediately following the last data element to be transmitted. The quote (')character is typically used as the segment terminator.

It should be noted that the mandatory or conditional status of a segment, composite or data element is not directly related to the mandatory or conditional status of any data items required for a specific Customs procedure in the message used. For example "country of origin code" may be mandatory data for a Customs procedure in a particular country but may not be required in the application of the same procedure in another country. If the segment is designated as mandatory in the UNSM it will always have to be transmitted. This will cause problems for the country that does not require the data. If the segment in the UNSM is designated as conditional, the country not requiring the data will not have to transmit the segment. However the country which requires the data can indicate in their

user manual for the message that the data must always be transmitted. As messages are designed for as wide a use as possible segments with a status of mandatory are kept to a minimum.

Each data segment has a specific position within the sequence of segments in a message. Segments can appear on their own or as part of a group.

A data element is the smallest unit of information in a segment. Two or more data elements may be grouped together to form a composite data element. Like segments, data elements can have a status of either mandatory or conditional. The type of a data element is represented by either an "a" (alpha characters only), "an" (alphanumeric) or "n" (numeric). The number that follows the type represents the maximum number of characters allowed and the ".." between the type and size means that the data element is of variable length. Should the ".." (dot) not be present, it is a fixed length data element. Examples are "an..35", "n..18", "a1" etc.

Typically the plus sign (+) is used as the delimiter that precedes each data element within a segment. When there is no data being transmitted for a defined element, the plus sign is transmitted to preserve the data element count unless the blank elements are the last in the segment. In that case, transmission of the data segment terminator code indicates that all non-transmitted elements are blank.

A data element may also consist of component data elements. For example address may be broken into address lines 1 to 5. Typically the colon (:) is used to delimit the components. As with an element the colon needs to be sent unless all following components are all blank, then the element or segment terminator must be sent.

Should one of the delimiters (plus, colon, single quote) need to be sent as data, it must be proceeded with a question mark (?). This is referred to as a release character. Aslo a question mark in data must be proceeded with a question mark. For example to send "Is 1+1=2?", it would be sent as "1?+1=2??" The release character is not counted within the maximum length defined for an EDIFACT data element.

Numeric data elements are sent as real, positive or negative, decimal numbers, with a decimal point and/or a minus sign if required, and without leading or trailing zeros, except for a single zero before the decimal point if the value is less than 1. The decimal point and the minus sign are not counted within the maximum length of the data element.

To keep messages concise, omit unused elements wherever possible. Any complete segment or segment group which is not required in the message is omitted. A segment is terminated immediately after the last data element for which there is actual content. Empty data elements are represented by including the required separators, and nothing else.

The following diagram is a summary of the above:
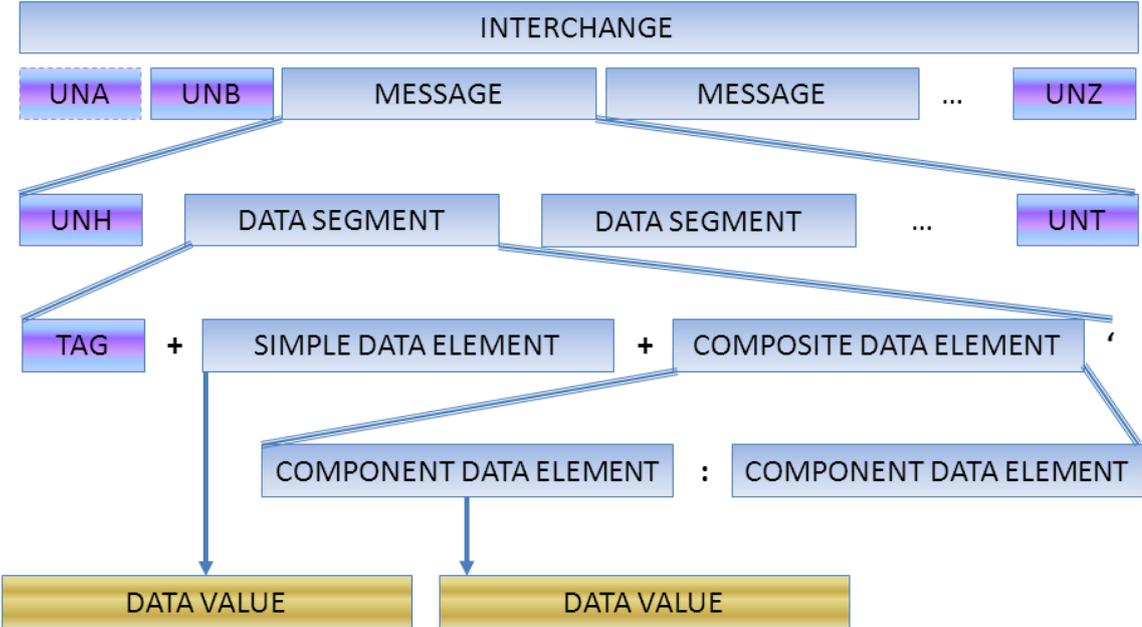
1.6. *The Customs Act and EDI*

This section contains the Customs Act, Section 101A, Electronic communication for the purposes of customs and excise procedures as well as the Rules to Section 101A, for reference purposes.

1.6.1. Customs Act, Section 101A, Electronic communication for the purpose of customs and excise procedures

(1) In this section and the rules thereto, unless the context otherwise indicates, the following words and phrases, and their grammatical variations where applicable, shall have the following meanings:

"access", means gaining entry into, instructing or communicating with the logical , arithmetical or memory function resources of a computer, computer system or computer network;

"addressee", means a person who is intended by the originator to receive the electronic message, but does not include an intermediary;

affixing a digital signature", means adoption of a methodology or procedure by a person for the purposes of authenticating an electronic record by means of a digital signature;

"computer", means any electronic, magnetic, optical or other high speed data processing device or system which performs logical, arithmetic and memory functions by manipulation of electronic, magnetic or optical impulses and includes all input, output, processing, storage, computer software or communication facilities which are connected or related to the computer in a computer system or a computer network;

"computer network", means the interconnection of one or more computers through –

(i)   the use of satellite, microwave, terrestrial line or other communication media; and
(ii) terminals or a complex consisting of two or more interconnected computers whether or not the interconnection is continuously maintained;

"computer system", means a device or collection of devices, including input and output devices and capable of being used with external files which contain computer programmes, electronic instructions, input and output data that performs logic, arithmetic, data storage and retrieval, communication control and other functions;

"data", means a representation of information, knowledge, facts, concepts or instructions which are being or have been prepared in a formalised manner and is intended to be processed, is being or has been processed in a computer system or network and may be in any form (including computer printouts, magnetic optical storage media, punched cards and punched tapes) or stored internally in the memory of the computer;

"digital signature", means an electronic signature allocated to a registered user for authentication of electronic records in conformity with the requirements prescribed in this section, the rules and the user agreement;

"electronic form", with reference to information, means any information generated, sent, received or stored in media, magnetic, optical, computer memory, or similar device;

"electronic record", means data recorded or generated, image or sound stored, received or sent in an electronic form or microfilm or computer generated microfiche;

"function", in relation to a computer, includes logic, control arithmetical process, deletion, storage and retrieval and communications or telecommunication from or within a computer;

"information", includes data, text, image, sound, voice, code, computer programmes, software and databases or microfilm or computer generated microfiche;

"intermediary", with respect to any particular electronic message, means any person who on behalf of another person receives, stores or transmits that message or provides any service with respect to that message;

"originator", means a person who sends, generates, stores or transmits any electronic message to be sent, generated, stored or transmitted to any other person, but does not include an intermediary;

"registered user" means a person registered in terms of the provisions of subsection (3);

"user agreement", means the agreement entered into between the registered user and the Commissioner.

(2) *(a)* The Commissioner may, notwithstanding anything to the contrary in this Act contained, establish and maintain a computer system for the purposes of the electronic processing of any document and procedure to which this Act relates and matters incidental thereto, which may include -

    (i) the receipt and processing of reports and other documents relating to the arrival and departure of ships, aircraft, vehicles and railway trains and their passengers and cargo and the control of such passengers or cargo;

    (ii) the accounting for the receipt, clearance and release of goods, the storage of goods in customs and excise warehouses or other places and the removal or carriage of goods for any purpose under this Act; and

    (iii) the production or manufacture of any goods and the accounting therefore in compliance with any procedure prescribed under this Act.

(b) No person shall communicate with the Commissioner, a Controller or any officer for any purpose to which this section relates by computer unless such person is a registered user who has entered into a user agreement and complies with any other requirements prescribed under this Act.

(c) Any such user may access the computer system of the Commissioner for the purposes of electronically communicating with the Commissioner, a Controller or an officer to the extent specified in the user agreement provided the computer system of the Commissioner can accept the communication.

(3) *(a)* Application for registration as a user shall be in the form and shall be accompanied by a practice statement and the completed user agreement prescribed by rule.

(b) The applicant shall comply with -

    (i) all the requirements specified in such form and in subsection (5);

    (ii) any additional requirements that may be prescribed in the rules and as may be determined by the Commissioner;

    (iii) the requirements specified in the user agreement.

(4)   The Commissioner may set out in such agreement -

(a)   any terms and conditions for regulating computer communication with and by a registered user, including conditions that -

(i)   the user will use computer equipment and facilities of a class or kind specified in the agreement;

(ii)   the user, when assigned a digital signature by the Commissioner, will ensure the security of the signature in the manner agreed to in the agreement;

(iii)   where electronic data is received by the Commissioner from the registered user authenticated by electronic signature -

(aa)   without the authority of the user to whom such signature was allocated; and

(bb)   before notification to the Commissioner by the user of a breach of security,

such data shall be taken by the Commissioner to have been communicated by the registered user of such digital signature, as the case may be;

(b)   whether the applicant has complied with the provisions of subsection (5);

(c)   any other requirement, including reasonable access to the computer system of the registered user by the Commissioner for such verification and audit purposes as may be required in terms of any provision of this Act;

(d)   the method and period for which electronic records shall be kept.

(5)   *(a)*   Any applicant for registration shall produce proof in support of the application that -

(i)   adequate measures have been introduced to exercise reasonable care to -

(aa)   retain control of the digital signature allocated by the Commissioner and for the prevention of its disclosure to any person not authorised to affix such signature;

(bb)   ensure that information remains complete and unaltered apart from the addition of any change which may occur in the normal course of communication storage and display;

(ii)   the standard of reliability is in accordance with the standard required in the user agreement and the provisions of this section and the rules.

(b)   If the digital signature has been compromised in any manner the applicant shall inform the Commissioner without delay in the manner prescribed by rule.

(6)   *(a)*   The Commissioner may, after due consideration of the application and the practice statement and after making such enquiries as he may deem necessary, approve the application subject to any reasonable conditions as he may impose in each case.

(b)   The Commissioner may, subject to review by the High Court -

(i)   refuse any application for registration if -

(aa)   the applicant -

(A) does not comply in respect of such application with the requirements contemplated in subsection (3);

(B) has made a false or misleading statement with respect to any material fact or omits to state any material fact which was required to be stated in the application for registration;

(bb) the applicant or any employee of such applicant -

(A) has contravened or failed to comply with the provisions of this Act;

(B) has been convicted of an offence under this Act;

(C) has been convicted of an offence involving dishonesty; or

(D) has failed to comply with any condition or obligation imposed by the Commissioner in respect of such registration:

Provided that subparagraphs (A) to (C) shall not apply in respect of an employee if the applicant proves that he was not a party to or could not prevent any such act or omission by such employee; or

(ii) cancel or suspend for a specified period any registration -

(aa) if the registered user -

(A) is sequestrated or liquidated;

(B) no longer carries on the business for which the registration was issued;

(C) is no longer qualified according to the qualifications prescribed in the rules; or

(D) fails to meet in respect of the computer system used all the compliance requirements and the operational standards required in terms of the user agreement and prescribed by the Commissioner as contemplated in this section;

(bb) if the registered user or the employee of such user has -

(A) contravened or failed to comply with the provisions of this Act;

(B) been convicted of an offence under this Act;

(C) been convicted of an offence involving dishonesty; or

(D) failed to comply with any condition or obligation imposed by this Act or by the Commissioner in respect of such registration:

Provided that subparagraphs (A) to (C) shall not apply in respect of an employee except an employee to whom a digital signature was allocated, if the holder proves that he was not a party to or could not prevent any such act or omission by such employee: Provided further that before a registration is cancelled or suspended, the Commissioner shall -

(a) give 21 days notice to the registered user of the proposed cancellation or suspension;

        (b)   provide reasonable information concerning any allegation and grounds for the proposed cancellation or suspension;

        (c)   provide a reasonable opportunity to respond and make representations as to why the registration should not be cancelled or suspended.

(7)   *(a)*   When the Commissioner so registers a person or cancels or suspends such registration, the registration, cancellation or suspension shall have effect from the day on which the notice was signed.

       (b)   The Commissioner may prescribe a registration fee or fee for the issuance of a digital signature by rule.

       (c)   The Commissioner shall, on registering a user, allocate to the user -

           (i)   if the user is a natural person, a digital signature or sufficient digital signatures for the user and each employee of the user nominated in the agreement; or

           (ii)   if the user is not a natural person, sufficient digital signatures for each employee of the user nominated in the agreement.

       (d)   Where the registered user is a clearing agent, licensed under this Act no employee of such agent who is not licensed as a clearing agent shall be allocated a digital signature.

(8)   *(a)*   For the purposes of section 101(2B), where any provision of this Act prescribes or requires that documents, records, information or the like shall be retained for a specific period, that requirement shall be deemed to have been satisfied if such documents, records, information or the like are so retained in electronic form, if -

           (i)   the information contained therein remains accessible so as to be subsequently usable;

           (ii)   the electronic record is retained in the format in which it was originally generated, sent or received or in a format which can be demonstrated to represent accurately the information originally generated, sent or received;

           (iii)   the details which will facilitate the identity of the origin, destination, date and time of dispatch or receipt of such electronic record are available in the electronic record.

       (b)   An electronic communication or the record of such communication shall be attributed to the originator -

           (i)   if it was sent by the originator;

           (ii)   if it was sent by a person who had the authority to act on behalf of the originator in respect of that communication or record; or

           (iii)   if it was sent by a computer system programmed by or on behalf of the originator to operate automatically.

(9)   *(a)*   Where the Commissioner and a registered user have not agreed that an acknowledgment of receipt of electronic communication be given in any particular form or by any particular method, an acknowledgement may be given by -

           (i)   any communication by the Commissioner, electronic or otherwise; or

(ii)   conduct by the Commissioner or any officer sufficient to indicate to the registered user that the electronic communication has been received.

(b)   Where the Commissioner and the registered user have agreed that an electronic communication shall be binding only on the receipt of an acknowledgement of such electronic communication, then, unless such acknowledgement has been so received within such time as agreed upon, such electronic communication shall be deemed not to have been sent.

(c)   (i)   The dispatch of an electronic communication occurs when it enters a computer resource outside the control of the originator.

(ii)   The time of receipt of an electronic communication shall be when the electronic communication enters the designated computer -

(aa)   where the electronic communication is by a registered user, at any office of a Controller set out in item 202.00 of the Schedule to the rules, or of the Commissioner, to whichever it was addressed, and such office shall be the place of receipt; or

(bb)   if the electronic communication is by the Commissioner or any Controller or officer to a registered user, at the place of receipt that is stipulated in the "user agreement" referred to in subsection (4).

(10)   *(a)*   Whenever any registered user is authorised to submit and sign electronically any manifest, bill of entry, return, prescribed form, document, schedule, application, declaration, statement, report, notice or the like, which is required to be submitted and signed in terms of the provisions or this Act, such signature electronically affixed to such electronic communication and communicated to the Commissioner, a Controller or any officer, shall, for the purposes of this Act, have the force and effect as if it was affixed thereto in manuscript and acceptance thereof, shall not be denied if it is in conformity with the electronic signature agreed to by and between the Commissioner and the registered user.

(b)   The signature and authentication of any electronic communication referred to in paragraph *(a)* shall be effected as prescribed by rule.

(c)   For the purposes of the definition of "digital signature", a digital signature is an electronic signature created by computer, intended by the registered user using it and by the Commissioner accepting it to have the same force and effect as the use of a manual signature and which is -

(i)   unique to the registered user;

(ii)   capable of verification;

(iii)   linked or attached to electronically transmitted data in such a manner so as to authenticate the attachment of the signature to particular data and the integrity of the data transmitted so that if the data is changed the electronic signature is invalidated;

(iv)   under the sole control of the registered user; and

(v)   conforms in all respects to the requirements prescribed by the Commissioner by rule and contained in the user agreement.

(d) (i) The Commissioner may, notwithstanding anything to the contrary contained in this section, permit, as prescribed by rule, any person who is registered as a user and has entered into a user agreement as contemplated in subsection (3), to submit electronically any report referred to in paragraph *(a)*, by using the Internet.

(ii) Subject to such exceptions, adaptations or additional requirements as the Commissioner may prescribe by rule, the provisions of this section shall apply to the submission of such report.

(iii) "Internet**"** shall have the meaning assigned thereto in the Electronic Communications and Transactions Act, 2002 (Act. No. 25 of 2002).

(11) Where in any proceedings or prosecution under this Act or in any dispute in which the State, the Minister, the Commissioner or any officer is a party, the question arises whether an electronic signature affixed to any electronic communication to the Commissioner was used in such communication with or without the consent and authority of the registered user, it shall, in the absence of proof to the contrary, for purposes of this Act be assumed that such signature was, subject to the provisions of subsection (4), so used with the consent and authority of the registered user.

(12) *(a)* Notwithstanding anything to the contrary in this Act or in any other law contained, whenever in any proceedings or prosecution under this Act or in any dispute in which the State, the Minister, the Commissioner or any officer is a party, it is necessary to prove the authenticity, the veracity, the origin, the contents, an electronic signature or any other aspect of any electronic communication transmitted to and received by the Commissioner under this section, the provisions and conditions of the user agreement referred to in subsection (4) shall establish the basis upon which any court of competent jurisdiction shall determine such issues.

(b) Notwithstanding anything to the contrary contained in any other law, nothing in the application of the rules of evidence shall be applied so as to deny the admissibility of any electronic communication under this section for purposes of this Act in evidence -

(i) on the sole grounds that it is an electronic data message; or

(ii) if it is the best evidence that the person adducing it could reasonably be expected to obtain, on the grounds that it is not in original form.

(c) (i) Information in the form of a data message shall be given due evidential weight.

(ii) In assessing the evidential weight of a data message a court shall have regard to -

(aa) the reliability of the manner in which the data message was generated, stored and communicated;

(bb) the reliability of the manner in which the integrity of the information was maintained;

(cc) the manner in which its originator was identified;

(dd) whether these functions were in compliance with the user agreement; and

(ee) the requirements of this section, and any other relevant factor.

(13) Whenever, because a computer system is inoperative, a registered user or the Commissioner cannot transmit or receive an electronic transmission required for purposes of this Act, the registered user and the Commissioner shall communicate with each other by paper document as prescribed by rule.

(14) The Commissioner may at any time require from any registered user who transmitted any electronic communication under this section for purposes of this Act the production of any original document required to be produced under any of the provisions of the Act.

(15) *(a)* Any person, other than the registered user of an electronic signature, using such signature in any electronic communication to the Commissioner for any purpose under this Act without the consent and authority of such registered user, shall be guilty of an offence and liable on conviction for every time such signature was so used to a fine not exceeding R100 000 or treble the value of the goods in respect of which the offence was committed, whichever is the greater, or to imprisonment for a period not exceeding 10 years or to both such fine and such imprisonment, and the goods in respect of which such offence was committed shall be liable to forfeiture under this Act.

(b) Any person who -

(i) makes a false electronic record or a part of an electronic record or who makes a false entry in any electronic record or who makes a false statement in such electronic record; or

(ii) dishonestly or fraudulently -

(aa) makes, signs or executes an electronic record;

(bb) makes or transmits any electronic record or part of any electronic record;

(cc) affixes any digital signature on any electronic record; or

(iii) without lawful authority dishonestly and fraudulently alters any electronic record in any material part thereof after it had been made, executed or affixed with digital signature; or

(iv) dishonestly or fraudulently causes any other person to sign, execute or alter an electronic record or to affix a digital signature on any electronic record,

shall be guilty of an offence and liable on conviction for every such offence to a fine not exceeding R100 000 or treble the value of the goods in respect of which the offence was committed, whichever is the greater, or to imprisonment for a period not exceeding 10 years or to both such fine and such imprisonment, and the goods in respect of which such offence was committed shall be liable to forfeiture under this Act.

(16) The Commissioner may make rules -

(a) to delegate, subject to section 3(2), any power which may be exercised or assign any of the duties which shall be performed in terms of this Act to any officer or any other person;

(b) regarding all matters which are required or permitted in terms of this section to be prescribed by rule; and

(c) in respect of any other matter which the Commissioner may reasonably consider to be necessary and useful to achieve the efficient and effective administration of the provisions of this section.

1.6.2. Rules to Section 101A of the Customs Act

Electronic communication for the purpose of customs and excise procedures

Numbering of rules, meanings of expressions, delegation and application for registration as registered user

101A.01 *(a)* Where any rule reflects a number in brackets after a serial number the number in brackets refers to the subsection to which the rule relates.

(b) (i) In these rules "the Act" means "this Act" as defined in the Customs and Excise Act, 1964 (Act No. 91 of 1964); and,

(ii) any word or expression to which a meaning has been assigned, either in the Act (including these rules), the user agreement or the user manual shall, unless the context otherwise indicates, have the meaning so assigned thereto for the purposes of these rules, the user agreement and the user manual.

(c) Subject to the provisions of section 3(2) any power, duty or function of the Commissioner contemplated in section 101A (except subsection (16)) and in these rules (including the agreement) is, unless otherwise specified in these rules, delegated to an officer occupying the post of Assistant General Manager in the Customs Division of the South African Revenue Service.

Mandatory electronic communication of reports and declarations

101A.01A(2) *(a)* In terms of section 101A(2)*(d)*, the documents required to be submitted electronically and the person who must submit those documents are the following -

(i) vessel or aircraft schedule reports specified in rule 8.06*(a)*, by the carrier or airport authority as respectively applicable in terms of that rule.

(ii) vessel or aircraft arrival reports specified in rule 8.06*(b)*, by the carrier or airport authority as respectively applicable in terms of that rule.

(iii) manifests and empty container lists specified in rule 8.07*(b)*, aircraft pre-arrival manifests and final manifests specified in rule 8.07*(c)* and rail manifests specified in rule 8.07*(d)*, by the carrier, master cargo carrier, cargo carrier, groupage operator, courier, cargo carrier or railway authority as respectively applicable in terms of those rules.

(iv) vessel outturn reports specified in rules 8.08*(a)*, *(b)* and *(c)* and aircraft outturn reports contemplated in rules 8.08*(d)*, *(e)* and *(f)*, by the container terminal operator, wharf operator, depot operator, transit shed operator or degrouping operator as respectively applicable in terms of those rules.

(v) imported goods or goods for export required to be entered on a SAD form in terms of any provision of the Act, by the importer, exporter or agent who is -

(aa) accredited in terms of section 64E of the Act; or

(bb) not accredited in terms of section 64E of the Act, but delivers a total in excess of 20 bills of entry per calendar month to any Controller or the Commissioner.

(b) Every person contemplated in paragraph s *(a)*(i) to (v) that is required to submit a report or declaration electronically to the Commissioner must register as a user in accordance with the provisions of rule 101A and comply with the rules made thereunder.

(c) The Commissioner may on application and on reasonable grounds -

(i) temporarily exempt, for such a period and subject to such conditions as the Commissioner may determine; or

(ii) permanently exempt,

any person or category of persons or any such person or category of persons in respect of an y procedure to which the Act relates from the provisions of this rule.

(d) These rules shall come into effect on **1 August 2009** and shall be applicable to -

(i) any voyage, flight or journey commencing on or after that date;

(ii) any cargo report contemplated in the rules for section 8 made, on or after that date; and

(iii) any SAD form submitted, on or after that date.

101A.02(3) *(a)* A person applying for registration to be a registered user must -

(i) apply on form DA 185 and the relevant annexure thereto and comply with all the requirements specified therein, in section 101A and these rules and any additional requirements that may be determined by the Commissioner;

(ii) submit with the application the completed user agreement in accordance with the *pro-forma* agreement specified in these rules.

(b) No practice statement is prescribed.

Agreement and user manual

101A.03(4) *(a)* (i) The user agreement and its annexures shall be in accordance with the *pro forma* user agreement and its annexures which is prescribed in terms of, and shall be deemed to be part of, this rule.

(ii) Any amendment of the user agreement or its annexures contemplated in paragraph 18*(a)* of the user agreement shall be in the form and contain the particulars determined by the Commissioner.

(b) (i) The user manual, as defined in the user agreement and as available on the SARS website, is prescribed in terms of, and shall be deemed to be part of, this rule.

(ii) The user manual may be amended and the amendment shall be effective from the date as contemplated in paragraph 18*(b)* of the user agreement.

(c)   All messages transmitted between the registered user and the Commissioner, a Controller or an officer for the purposes contemplated in section 101A shall be transmitted in accordance with the requirements of that section, these rules, the user agreement and its annexures and the user manual.

Requirements specified in section 101A(5)

101A.04(5) *(a)*   The terms and conditions prescribed in the pro-forma agreement shall apply for the purposes of the requirements specified in subsection (5)*(a)*.

(b)   (i)   For the purposes of subsection (5)*(b)*, the registered user shall upon discovery of the compromise of the allocated digital signature immediately by electronic communication notify the Commissioner of such occurrence.

(ii)   This notification shall be taken to occur at the time and place as provided in section 101A(9)*(c)*.

Approval, refusal, cancellation or suspension of registration

101A.05(6) *(a)*   In addition to section 101A and these rules, the provisions of the rules for section 60 shall, where relevant, apply *mutatis mutandis* to the applicant, the applicant for registration, the refusal of any application and the cancellation or suspension of any registration.

(b)   Upon approval of an applicant as a registered user, the Commissioner shall notify the applicant in writing or by electronic communication and simultaneously advise the applicant of the particulars of its digital signature.

Keeping of records

101A.06(8) *(a)*   Section 101 and the rules therefor regarding books, accounts, documents and electronic data shall *mutatis mutandis* apply in addition to the terms and conditions of the user agreement.

(b)   The period for which such records shall be kept shall be five (5) years as prescribed in paragraph 3*(d)*(iv) of the user agreement.

Submission of documents electronically and digital signature

101A.07(10)   *(a)*   Compliance with the provisions of Annexure A to the user agreement will constitute a digital signature.

(b)   The affixing of a digital signature, the authentication and the verification thereof shall be in accordance with the provisions of the said Annexure A.

Proof of electronic communications

101A.08(12)   *(a)*   The provisions of paragraph 9 of the user agreement shall establish the basis upon which any court of competent jurisdiction shall consider the affixing of any digital signature, any digital signature, data, electronic record, information, message, data log or the like for purposes of determining any issue to which the provisions of section 101A relate.

(b)   Whenever any officer or any employee of a registered user, as the case may be, for the purpose of the Act, these rules and the provisions of paragraph 9 of the user agreement issues a certificate in respect of any message, or a copy or printout of or an extract from such message in the data log, as defined, such certificate shall specify the following particulars -

(i)   the identity of the officer or employee who originated the message;

(ii)   the time and date the message was dispatched from the computer system of the originator;

(iii)   the time and date the message accessed the computer system of the addressee;

(iv)   the time and date the acknowledgement of receipt, where required, was received on the computer system of the originator;

(v)   in the case of the registered user, whether the computer system, at the time of receipt or of dispatch of the message complied in all respects with the provisions of the user agreement, the user manual and VANS in respect of the data log to which the certificate applies;

(vi)   in the case of the Commissioner, that the computer system of the Commissioner, at the time of receipt or dispatch of the message complied in all respects with UN/EDIFACT standards.

(vii)   in the case of the registered user the identity of every person authorized by the registered user at the time of the data log concerned to affix a digital signature on any document required to be signed for purposes of the Act, and the person who affixed a digital signature in respect of the message concerned;

(viii)   that the manner in which the data in the data log was stored, the procedures employed to protect its integrity and the particulars of those elements in the retrieved data log, which were subsequently added for purposes of storage and retrieval identification conform in all respects with the requirements of section 101A, the rules, the user agreement and the user manual.

Communication by proper document if a computer system is inoperative

101A.09(13)   *(a)*   (i)   Whenever the computer system of the Commissioner is inoperative for whatever reason, the registered user or the registered user's intermediary shall be advised of these facts, including the expected duration thereof, electronically or by other means.

(ii)   Whenever any registered user communicates with the Commissioner electronically through an intermediary as defined, the Commissioner must advise such intermediary of the circumstances contemplated in subparagraph (i).

(b)   The mere fact that a computer system is inoperative shall not absolve any registered user from complying with any of the obligations under the provisions of the Act.

(c)   In circumstances where a registered user cannot communicate electronically with the Commissioner as contemplated in section 101A, the registered user shall communicate with the Commissioner, a Controller or an officer for any of the purposes of the Act by paper document and shall continue to do so until electronic communication can be re-established in full compliance with the provisions of section 101A and the user agreement.

Acknowledgement of receipt

101A.10(14)   *(a)*   For the purposes of section 101A(9) acknowledgement shall be in the form and at the time prescribed in the user manual which may require that -

(i)   all messages must be acknowledged; or

(ii)   only the messages specified in the user manual must be acknowledged.

(b)   Where acknowledgement of a message is not prescribed in the user manual, the sender may nevertheless request acknowledgement from the recipient who must acknowledge the message within the time prescribed or if no time is prescribed as soon as reasonably possible.

(c)   (i)   The dispatch of a message occurs, and the time and place of receipt thereof shall be, as prescribed in section 101A(9)*(c)*.

(ii)   Any message shall be deemed not to have been received unless accessible in the computer to which it was sent.

Implementation arrangements for Internet users and amendment of existing user agreements

101A.11   *(a)*   (i)   Every registered user must apply, on a form available from the Commissioner, for amendment of the user agreement by the substitution for the existing Annexure A of the Annexure A included in this amendment of the rules, within 90 days after the date of publication of the amended rules in the Gazette.

(ii)   Where any registrant applies for amendment of a user agreement for the purpose of Internet, the registrant must submit a completed Annexure DA 185.4A6 with the application for amendment.

(b)   No registered user shall be allowed to communicate with the Commissioner, a Controller or an officer by using the Internet unless a digital certificate has been issued by the Commissioner as contemplated in Annexure A.

Communication when any tariff heading or item of any Schedule is amended

101A.12   Notwithstanding paragraph 15 of the agreement, a registered user may not submit any bill of entry electronically before the date of publication of any notice in the *Gazette* amending any tariff heading or item in any Schedule where the Commissioner has given notice, either by paper document or electronic communication, of such an amendment after 15:00 on the date preceding such publication.

ELECTRONIC COMMUNICATION: USER AGREEMENT

CUSTOMS AND EXCISE ACT, 1964 (ACT NO. 91 OF 1964)

(Rule 101A.03)

1.   As ……………………………………………………………………………………

(Full name of applicant – hereinafter referred to as "registered user")

of …………………………………………………………………………………..

(Physical address of applicant – not a PO Box)

herein represented by

………………………………………   ……………………………………..

        Full name   Capacity

*duly authorised thereto by virtue of -

(a)   *a resolution passed at a meeting of the Board of Directors held at ……………………………………… on the …………………………….day of ……………………20…….; or

(b)   *the express consent in writing of all the partners of a *partnership / *members of the close corporation / *trustees of the trust; or

(c)   *being a person having the management of any other association of persons referred to in rule 60.03(2)*(a)*(iv),

(*Delete whichever is not applicable)

has applied to the Commissioner for the South African Revenue Service, (the Commissioner) to be registered as a user as provided for in section 101A(2)*(b)* and is desirous of entering into a user agreement as required by the provisions of section 101A(3);

And whereas the Commissioner is satisfied that all the prescribed requirements for such registration have been complied with, and has decided to register the applicant,

Now therefore the parties agree as follows:

2.   For the purposes of this agreement the following words and phrases shall, subject to the definitions in section 101A(1), have the following meanings ascribed thereto -

"agreement" means the user agreement and any annexures thereto;

"audit and inspect" shall have the meaning ascribed to "inspection of any books, accounts and other documents" in section 47(11)*(b)* and "books, accounts and other documents" include any data referred to in section 101(2B);

"data log" means the complete record of data interchanged between the parties that will include the full audit trail of the interchanges as well as the actual interchange containing the messages formatted according to the user manual;

"EDI-Network" means the sum total of computer hardware and software and the communication links used to interchange messages electronically between the parties;

"electronic data interchange": "(EDI)" means the electronic transfer from computer to computer of information using an agreed standard to structure the information;

"message" means data generated or stored that are structured in accordance with the user manual and transmitted electronically between the parties, including where the context admits, any part of such data;

"originator" means any party to this agreement;

"party" or "parties" means a party or parties to this agreement;

"registered user" means the party responsible for supplying data electronically to, and who is entitled to receive data from, the Commissioner and who has entered into the user agreement and is allocated a digital signature;

"SARS" means the South African Revenue Service;

"section" means, unless otherwise specified, a section of the Customs and Excise Act, 1964 (Act No. 91 of 1964);

"standards" means the uniform specifications for the electronic interchange of data contained in the user manual;

"the Act" means "this Act" as defined in the Customs and Excise Act, 1964 (Act No. 91 of 1964);

"UN/EDIFACT" means United Nations Electronic Data Interchange for Administration, Commerce and Transport as contemplated in the user manual;

"user agreement" means this agreement regulating electronic data interchange between the parties, together with its Annexures;

"user manual" means subject to the provisions of paragraph 18.2, the handbook of commercial and technical procedures and rules and requirements applicable to the transmission of messages as available on the SARS website;

"VANS" means the Value Added Network Services used by the parties for the transmission of messages.

3. Scope

   (a) The registered user understands and accepts that -

      (i) the user manual as available on the SARS website; and

      (ii) Annexure A, shall be deemed to be integral parts of this agreement.

   (b) The parties agree that -

      (i) all messages transmitted between the registered user and the Commissioner shall be transmitted in accordance with the provisions of the user manual;

      (ii) all such messages, the data log, this agreement and the user manual shall be subject to -

> *(aa)* the provisions of the Act; and
>
> *(bb)* the provisions of the Electronic Communication and Transactions Act, 2002 (Act No. 25 of 2002) to the extent that -
>
> > (A) such provisions can be applied; and
> >
> > (B) any provision of section 101A, these rules or the agreement do not otherwise provide.

(c) The Commissioner confirms that the provisions contemplated in paragraph *(b)* shall apply equally and transparently.

(d) The registered user -

(i) confirms that it is aware of its liabilities and obligations under the Act and this agreement and has accepted the imposition of standards of conduct and the consequences of non-compliance with those liabilities and obligations as a pre-condition to being allowed to engage in the activities regulated by the Act and governed by this agreement;

(ii) *(aa)* confirms that where electronic data is transmitted by the computer system of the registered user which can be attributed to the registered user as provided for in section 101A(8)*(b)* and such data is authenticated by the digital signature of the registered user, allocated by the Commissioner as herein provided—

> > (A) without the authority of the registered user; and
> >
> > (B) before the registered user notifies the Commissioner of such a breach of security,
>
> that such data, when received in the computer system of the Commissioner shall, as contemplated in section 101A(4)(iii), be taken to have been communicated by the registered user of such digital signature, and

(bb) agrees that the registered user shall be liable for all the liabilities and obligations emanating from the relevant electronic communication under the Act;

(iii) *(aa)* confirms that it is aware of and acknowledges the statutory powers, rights and obligations of the Commissioner and his/her delegated officers to audit and inspect the documents, books and records of the business in respect of which the user is registered, including such records relating to individual clients of the registered user and in respect of specific transactions conducted, for or on behalf of any principal, under the control of the registered user, as well as the banking accounts and records of the registered user as far as these relate to the business for which the user is registered;

(bb) specifically agrees to and authorises the audit and inspection of such books and documents and business banking accounts at whatever reasonable time it is required for purposes of the Act by the Commissioner, without the authorisation of a warrant.

(iv) *(aa)* undertakes to keep on the registered business premises books, accounts, records and documents relating to the transactions of the business comprising at least —

(A) those documents, and the like, mentioned in sections 101A(2)*(a)* (i), (ii) and (iii) and 101A(10)*(a)*;

(B) any document supporting those mentioned in sub-paragraph *(aa)*;

(C) any instructions received from its principal; and

(bb) undertakes to keep on such registered premises or at any other place approved by the Commissioner, all data in electronic form or as electronic record, as defined in section 101A(1), sent, received generated or stored for purposes of the Act in accordance with the provisions of section 101A and as required in terms of section 101(2B);

(cc) undertakes, notwithstanding any other provisions of the Act, to keep such books, accounts, records and documents, also in electronic form or electronic record as defined, available for such audit and inspection by the Commissioner for a period of five (5) years, calculated from the end of the calendar year in which the documents were so sent, generated, stored, lodged or required for purposes of the Act;

(v) hereby guarantees reasonable access to the computer system of the registered user by the Commissioner for such testing, verification and audit purposes of such system as may be required for purposes of the Act and this agreement;

(vi) hereby undertakes –

(aa) to use computer equipment and facilities of a class or kind which is compatible with the requirements specified in the user manual; and

(bb) to allow the Commissioner such access to the system as may be required to test the system and verify whether the provisions of subparagraph *(aa)* have been complied with; and

(cc) to advise the Commissioner of any intended change by the registered user of computer systems, equipment and facilities used for purposes of the Act;

(vii) undertakes to take all reasonable steps to institute and maintain adequate administrative measures and procedures in the business of the registered user to ensure that -

(aa) the contents of all documents submitted electronically to the Commissioner in accordance with the provisions of section 101A, for purposes of the Act, are duly verified and completed and comply in all respects with the provisions of the Act, the terms and conditions of this agreement and the user manual;

(bb) every person in the employ of the registered user and engaged in the conduct of any business under the Act is conversant with the provisions of the Act, the contents of this agreement and with the requirements relating to the business of the registered user and of the Commissioner and is able to answer to any question that may be required to be answered in respect of such business for purposes of the Act;

(cc) the Commissioner is advised as soon as it may come to the knowledge of the registered user, or any person in the employ of the registered user, that any principal of the registered user or any person in the employ of such principal has contravened, or failed to comply with, any of the provisions of the Act;

(dd) all information, as defined in section 101A(1), remains complete and unaltered when it is in electronic form or electronic record, as defined for purposes of the provisions of section 101A, except for the additions or changes which may occur in the normal course of communication, storage and display; and

(ee) such information will be available for verification, audit and certification as herein agreed to;

(ff) control is retained of the digital signature allocated by the Commissioner and for the prevention of its disclosure to any person not authorised to affix such signature;

(viii) is aware of and accepts that the Commissioner may, in accordance with the provisions of section 101A(6) of the Act, cancel or suspend registration if the registered user -

(aa) (A) is sequestrated or liquidated, as the case may be;

(B) no longer carries on the business for which the registration was issued;

(C) is no longer qualified according to the requirements prescribed in the rules; or

(D) in respect of its computer system fails to meet the requirements of section 101A and this agreement;

(bb) or any person in the employ of the registered user and engaged in the conduct of any business under the Act -

(A) contravened or failed to comply with the provisions of the Act;

(B) is convicted of an offence under the Act;

(C) is convicted of an offence involving dishonesty; or

(D) failed to comply with any condition or obligation under the Act or any term or condition of this agreement.

(cc) The registered user acknowledges that it is aware that whenever the question may arise of whether in any circumstances it took reasonable steps or exercised reasonable care in the performance of any obligation under the Act or this agreement, reliance solely on information supplied by any principal shall not be considered to be reasonable care or reasonable steps.

4. Security of data

(a) The registered user undertakes to –

(i) take all appropriate steps to establish and maintain procedures to ensure that messages are properly stored, are not accessible to unauthorised persons and are not altered, lost or destroyed, and are capable of being retrieved only by the registered user or by properly authorised persons in the employ of the registered user; and

      (ii)   ensure that any message containing confidential information as designated by the sender of the message, is maintained by the registered user in confidence and is not disclosed to any unauthorised person or used by the registered user other than for the purposes of the business transaction to which it relates.

    (b)   It is specifically agreed between the parties that the provisions of section 4(3) of the Act shall *mutatis mutandis* apply for purposes hereof.

5.   Digital signature

The registered user and the Commissioner agree that the digital signature, which, as provided in section 101A(10), for purposes of the Act, will have the same force and effect as if it was affixed to any document required under the Act in manuscript, shall be in the form and according to the technical specifications contained in Annexure A.

6.   Integrity of messages based on the user manual

    (a)   The originator of any message shall take all steps reasonably necessary to ensure that all messages are complete, accurate and secure against being altered in the course of transmission.

    (b)   Each party accepts responsibility for the integrity of all messages, unless any message can be shown, subject to the provisions of paragraph 3*(d)*(ii), to have been compromised as a result of technical failure on the part of any computer, computer system or transmission line used.

    (c)   Where any message is identified or is capable of being identified as compromised it shall be re-transmitted by the originator as soon as reasonably possible in accordance with the requirements of the user manual and subject to the provisions of section 101A(8)*(b).*

    (d)   If the addressee has reason to believe that a message is not intended for it, it shall notify the originator and delete from its system the information contained in such message but not the record of its receipt.

7.   Storage of data

    (a)   The electronic records, including any message sent and received and comprised in each party's data log, shall be maintained for the period and for the purposes required in paragraph 3*(d)*(iv)*(bb)* and *(cc).*

    (b)   The data log may be retained in electronic form or other suitable electronic means provided that the data can be readily retrieved and presented in readable form in accordance with the provisions of section 101A(8) and for purposes of paragraph 9 hereof.

    (c)   Each party shall be responsible for making such arrangements as may be required by the provisions of section 101A, for the data contained in the data log to be prepared as a correct record of the messages as sent and received by that party.

8.   Confirmation of receipt of messages

For the purposes of section 101A(9) confirmation of receipt of messages shall be, where required, as specified in the rules and the user manual.

9.   Certification of data

(a)   Each party shall ensure that a person responsible for the computer or computer system of the party concerned, whenever so required, shall certify that the data log and any reproduction including any printout, copy or extract made from it is correct and conforms in all respects to the requirements of section 101A(5) and (8) and the rules.

(b)   A certificate issued by the Commissioner under paragraph 9*(a)* concerning the data log whether in respect of a particular message, a series of messages, a particular time or period of time or any other like matter or any matter mentioned in section 101A(12) shall, in the absence of evidence to the contrary which raises a reasonable doubt, be sufficient and conclusive proof of the facts contained therein and shall be accepted as such by any court of competent jurisdiction in accordance with the provisions of section 101A(12).

(c)   Any such certificate shall include the particulars specified in rule 101A.08*(b).*

10.   Intermediaries

(a)   Whenever a party to this agreement uses the services of an intermediary in order to transmit, log or process messages, such party shall be liable towards the other party in respect of every act or omission by the intermediary as if such act or omission was the act or omission of that party.

(b)   Either party may modify its election to use, not use or change VANS upon at least 14 (fourteen) days' prior written notice to the other and any such amendment to VANS shall come into operation on a date and time agreed to by the parties.

11.   Term and termination

(a)   Registration as a registered user shall, notwithstanding the provisions of paragraph 13, take effect from the date the notice of registration is signed by the Commissioner as contemplated in section 101A(7)*(a).* Except where the Commissioner cancels or suspends a registration under the provisions of section 101A(6), a party may terminate registration by giving to the other party not less than 30 (thirty) days notice at the chosen *domicilium citandi et executandi.*

(b)   Termination of registration shall terminate this agreement, but clauses 4, 6, 7, 8, 9, 14 and 16 thereof shall survive such termination.

(c)   Termination of registration shall not affect any action required to complete or implement messages sent prior to such termination.

12.   Force majeure

(a)   A party shall not be deemed to be in breach of this agreement or otherwise be liable to any other party, by reason of any delay in performance or non-performance, of any of its obligations hereunder to the extent that such delay or non-performance is due to any *force majeure* of which the party has notified such other party. The time for performance of that obligation shall, subject to the provisions of section 101A(13), be extended accordingly.

(b)   For the purposes of this clause *force majeure* means, in relation to any party, any circumstances beyond the reasonable control of that party, including, without limitation, any strike, lock-out or other form of industrial action.

(c)   If the *force majeure* were to endure for an unreasonable period making the continuation of this agreement commercially non-viable, the parties may, subject to the provisions of section 101A(13), meet to make alternative arrangements.

13.   System trials / testing

Subject to any requirements of the Act or any requirement contained in the user manual, the parties agree to the following system trials and testing:

(a)   The registered user must give the Commissioner the opportunity, if so required, of attending one or more trials to observe the trial and inspect results.

(b)   The interchange of messages between the parties may undergo a test period commencing at the date that both parties have received notice of the other party's readiness to commence transmission, during which time all documents and procedures may be tested.

(c)   Upon completion of the test period each party will indicate its satisfaction with the tests and its readiness to commence the normal transmission of messages.

(d)   In the event that a party is not satisfied with the test results, the other party may agree to extend the test period or terminate registration.

14.   Costs, charges, maintenance and operational support

The registered user acknowledges that it shall be responsible for -

(a)   all costs incurred by it in the connection or adaptation of their system to comply with the requirements of the user manual and this agreement;

(b)   all costs associated with the transmission of messages to the Commissioner, any Controller or officer;

(c)   the maintenance of its system to comply with any changes to the UN/EDIFACT standard; and

(d)   the operational support of its equipment at all times.

15.   Availability and use

(a)   Notwithstanding the fact that official office hours are determined in the rules, the Commissioner undertakes, subject to rule 101A.12, to have its computer system available for the receipt of electronic messages, excluding the time needed for system maintenance, on a twenty-four hour basis.

(b)   If for any reason, other than routine maintenance, the computer system is not operative, the Commissioner will, as expeditiously as possible, notify the registered user in this regard in which case the provisions of section 101A(13) shall apply for the duration of the period the system is not operative.

16.   Changes / substitutions to the system

(a)   The Commissioner may change or make improvements or modifications to any part of the computer system. The Commissioner will determine the nature and timing of such modifications and shall advise the registered user of the implementation of these changes.

(b)   The parties agree that if it is intended to change the standards or procedures in the user manual by an amended version or any ancillary agreement they will take steps to change to the new standards or procedures within a reasonable time.

17. Notices

 (a) The parties hereto select as their respective *domicillium citandi et executandi* and for the purposes of giving or sending any notice provided for or required hereunder, the following physical addresses:

  Registered user ………………………………………………………………………

  Commissioner ………………………………………………………………………..

  or such other physical address, fax or telephone number as may be substituted by notice given as herein required.

  Each of the parties shall be entitled from time to time by written notice to the other to vary its *domicillium citandi et executandi* to any other physical address within the Republic of South Africa.

 (b) Any notice addressed to a party at its physical or postal address shall be sent by registered mail, or delivered by hand, or sent by facsimile transmission.

18. Amendment in writing

 (a) This agreement and the annexes thereto constitute the complete agreement of the parties and any amendment thereof shall be in writing.

 (b) The user manual may be amended from time to time by the Commissioner and such amended copy thereof shall be published on the SARS website and each such amendment published as an amended version of such manual shall for purposes of the Act be effective from the date it is so published or any date specified in such amendment.

Signed at ………………on this ……………… day of ………………………………………

AS WITNESSES:

1. …………………………………………………………………………………………

2. …………………………………………………………………………………………

FOR REGISTERED USER………………………………………………………………………

Physical address: …………………………………………………………………………

……………………………………………………………………………………………

……………………………………………………………………………………………

Postal address: …………………………………………………………………………..

……………………………………………………………………………………………

Fax no.:   ....…...................................

Telephone no.: ....

E-mail: ....

COMMISSIONER:

Physical address: …………………………………………………………………………

………………………………………………………………………………………………

………………………………………………………………………………………………

Postal address: ....

…………………………………………………………………………………………..

Fax no.: ....

Telephone no: ....

E-mail: ……………………………………………………………………

Signed at ……………………….. on this …………………..day of …………………………..

AS WITNESSES:

1. …………………………………………………………………………………

2. …………………………………………………………………………………

FOR COMMISSIONER

ANNEXURE A

DIGITAL SIGNATURE

1. For the purposes of communicating using the -

    (a)   *   X.400 protocol as described in paragraph 2,

    (b)   *   the Internet,

    the registered user and the Commissioner agree that the methodology and procedure herein described shall be accepted by them as the electronic signature provided for in section 101A(10) of the Act.

    (*Delete whichever is not applicable and sign in full)

2. A digital signature for communicating using the X.400 protocol, shall be created and verified in accordance with the following procedure:

    (a)   The digital signature shall be contained in the message of the originator within the following parameters when the message is received on the SARS EDI Gateway:

    (i)   Originator Information: Comprised of a unique identification code selected by the registered user upon initial registration to a maximum of 35 characters

    (ii)   Address Information: SARS

    (iii)   Application Type: As specified by SARS in the user manual

    (iv)   Registered User Code: As allocated or agreed to by SARS

    (v)   Registered User Password: Comprised of a password assigned by SARS

    (vi)   Document Type and Version: A reference to the UN/EDIFACT document and version number

    (vii)   Live or Test Indicator

    (viii)   Communications parameters: Originator's communications address details as supplied on initial registration.

    (b)   Upon receipt of the message on the SARS EDI Gateway the validity of the digital signature will be verified automatically against the digital signature specified and stored within the EDI Gateway.

    (c)   Upon registration as a registered user the Commissioner will allocate a digital signature to the registered user which will be stored in the EDI Gateway and comprise the following:

    (i)   Communications profile; and
    (ii)   registered user profile containing the registered user's password.

    (d)   Notification of the password and password qualifier by the Commissioner will be in the manner as specified by the Commissioner;

    (e)   The digital signature shall be authenticated for purposes of the Act by validating -
    (i)   the communications profile; and
    (ii)   the registered user profile,
    stored within the EDI Gateway.

(f) Upon receipt of a message at the SARS EDI Gateway─

    (i) the digital signature is automatically validated or invalidated; and

    (ii) an electronic acknowledgement of receipt of the message is generated and automatically sent to the originator.

3. A digital signature, for communicating using the Internet, shall be created and verified in accordance with the following procedure:

(a) SARS uses PKI (Public Key Infrastructure) for authenticating and securing business data communicated over the Internet. The digital signature attached to messages must be created in accordance with the specification as contained within the user manual using the digital certificate obtained from the Commissioner.

(b) The digital signature shall be contained in the message of the originator within the following parameters when the message is received on the SARS EDI Gateway:

    (i) Originator Information: Comprised of a unique identification code selected by the registered user upon initial registration to a maximum of 35 characters

    (ii) Address Information: SARS

    (iii) Application Type: As specified by SARS in the user manual

    (iv) Registered User Code: As indicated or agreed to by SARS

    (v) Registered User Password: Comprised of a password assigned by SARS

    (vi) Document Type and Version: A reference to the UN/EDIFACT document and version number

    (vii) Live or Test Indicator

    (viii) Communications parameters: Originator's communications address details as supplied on initial registration.

(c) Upon receipt of the message on the SARS EDI Gateway the validity of the digital signature will be verified automatically against the digital signature specified and stored within the EDI Gateway.

(d) Upon registration as a registered user the Commissioner will allocate a digital signature and issue a digital certificate to the registered user which will be stored in the EDI Gateway and comprise the following:

    (i) communications profile; and

    (ii) registered user profile containing the registered user's password.

(e) Notification of the digital certificate, password and password qualifier by the Commissioner will be in the manner as specified by SARS in the user manual.

(f) The digital signature shall be authenticated for purposes of the Act by validating -

    (i) the communications profile; and

    (ii) the registered user profile,

stored within the EDI Gateway.

> *(g)* Upon receipt of a message at the SARS EDI Gateway -
>
> > (i)   the digital signature is automatically validated or invalidated; and
> >
> > (ii)   an electronic acknowledgement of receipt of the message is generated and automatically sent to the originator.

4.   The completion of this process, when the data and information contained in the electronic record constituting the message is accepted within the computer system of the Commissioner, shall for purposes of the Act be deemed to be the affixing of a digital signature to the message received.

1.7. *How to register for Electronic Commerce with SARS*

1.7.1. EDI Registration process

Trading partners are required to register with SARS for Electronic Commerce/EDI in terms of Section 101A of the Customs and Excise Act.

The forms that need to be completed can be downloaded and/or printed from www.sars.gov.za. From the Home Page go to Customs and then select EDI Information. The following documents, amongst others, are contained here:

- Rules for Section 101A.
- Electronic Commerce User Agreement.
- The user Agreement must be signed by the applicant as well as two witnesses.
- The applicant as well as the witnesses must initial all pages of the User Agreement.
- DA 185.
- DA 185.4A6.
    - One per trading partner/per communications address detail.
    - As stated within this form, please remember to include copies of (1) Registration certificate of Business (2) Resolution/consent or other authority as applicable (3) Identity documents of relevant parties as specified.

Please take note that incorrectly completed documents will be rejected. Below are some guidelines to be used when completing these documents.

- Fully complete the, Electronic Commerce User Agreement, DA 185 and DA 185.4A6.
- Documents must be completed in block letters. This is specifically important for all communications address details.
- Clearly show upper and lower case letters when specifying communications address details.
- Two witnesses must co-sign the Electronic Commerce User Agreement.
- The person signing the Electronic Commerce User Agreement as well as the witnesses must initial each page of this Agreement.
- The DA 185 and DA 185.4A6 forms must be signed by the authorised person.
- The Dual Registration Code must be supplied only if required. A Dual Code may be requested when a company will be transmitting data from different communications addresses, i.e. decentralised processing etc.
- The authorised person signing the agreement must sign where "For Registered User" appears on the Electronic Commerce User Agreement. Do not fill in the companies' name in this space.

The documents may be couriered or hand-delivered to SARS. Clearly mark the envelope "**EDI REGISTRATION**". The physical address is:

The EDI Business Administrator (RITA BURGER)

Walker Creek,

90 Florence Ribeiro (formerly Queen Wilhelmina Street) (corner of Florence Ribeiro & Totius Street),

Nieuw Muckleneuk,

Pretoria

You may also post these documents to SARS to the following postal address:

SARS

EDI REGISTRATION

Private Bag X923

Pretoria

0001

As stated previously, SARS currently uses the Internet for message transfer between itself and its trading partners but also cater for the X.400 communications protocol. Please take note of the PKI (Public Key Infrastructure) requirements specified in the following section for Internet communications.

1.7.2. Acceptance of the amended Annexure A to the user agreement

Please note that should a client have signed the user agreement prior to the amendment to Appendix A, then the Appendix A and the acceptance document on the next few pages must be signed and forwarded to SARS, regardless of the electronic communications method chosen.

ANNEXURE A

DIGITAL SIGNATURE

1.   For the purposes of communicating using the -

(a)   *   X.400 protocol as described in paragraph 2,

(b)   *   the Internet,

the registered user and the Commissioner agree that the methodology and procedure herein described shall be accepted by them as the electronic signature provided for in section 101A(10) of the Act.

(*Delete whichever is not applicable and sign in full)

2.   A digital signature for communicating using the X.400 protocol, shall be created and verified in accordance with the following procedure:

(a)   The digital signature shall be contained in the message of the originator within the following parameters when the message is received on the SARS EDI Gateway:

(i)   Originator Information: Comprised of a unique identification code selected by the registered user upon initial registration to a maximum of 35 characters

(ii)   Address Information: SARS

(iii)   Application Type: As specified by SARS in the user manual

(iv)   Registered User Code: As allocated or agreed to by SARS

(v)   Registered User Password: Comprised of a password assigned by SARS

(vi)   Document Type and Version: A reference to the UN/EDIFACT document and version number

(vii)   Live or Test Indicator

(viii)   Communications parameters: Originator's communications address details as supplied on initial registration.

(b)   Upon receipt of the message on the SARS EDI Gateway the validity of the digital signature will be verified automatically against the digital signature specified and stored within the EDI Gateway.

(c)   Upon registration as a registered user the Commissioner will allocate a digital signature to the registered user which will be stored in the EDI Gateway and comprise the following:

(i)   Communications profile; and
(ii)   registered user profile containing the registered user's password.

(d)   Notification of the password and password qualifier by the Commissioner will be in the manner as specified by the Commissioner;

(e)   The digital signature shall be authenticated for purposes of the Act by validating -
(i)   the communications profile; and
(ii)   the registered user profile,
stored within the EDI Gateway.

(f)   Upon receipt of a message at the SARS EDI Gateway─

    (i)   the digital signature is automatically validated or invalidated; and

    (ii)   an electronic acknowledgement of receipt of the message is generated and automatically sent to the originator.

3.   A digital signature, for communicating using the Internet, shall be created and verified in accordance with the following procedure:

(a)   SARS uses PKI (Public Key Infrastructure) for authenticating and securing business data communicated over the Internet. The digital signature attached to messages must be created in accordance with the specification as contained within the user manual using the digital certificate obtained from the Commissioner.

(b)   The digital signature shall be contained in the message of the originator within the following parameters when the message is received on the SARS EDI Gateway:

    (i)   Originator Information: Comprised of a unique identification code selected by the registered user upon initial registration to a maximum of 35 characters

    (ii)   Address Information: SARS

    (iii)   Application Type: As specified by SARS in the user manual

    (iv)   Registered User Code: As indicated or agreed to by SARS

    (v)   Registered User Password: Comprised of a password assigned by SARS

    (vi)   Document Type and Version: A reference to the UN/EDIFACT document and version number

    (vii)   Live or Test Indicator

    (viii) Communications parameters: Originator's communications address details as supplied on initial registration.

(c)   Upon receipt of the message on the SARS EDI Gateway the validity of the digital signature will be verified automatically against the digital signature specified and stored within the EDI Gateway.

(d)   Upon registration as a registered user the Commissioner will allocate a digital signature and issue a digital certificate to the registered user which will be stored in the EDI Gateway and comprise the following:

    (i)   communications profile; and

    (ii)   registered user profile containing the registered user's password.

(e) Notification of the digital certificate, password and password qualifier by the Commissioner will be in the manner as specified by SARS in the user manual.

(f) The digital signature shall be authenticated for purposes of the Act by validating -

(i) the communications profile; and

(ii) the registered user profile,

stored within the EDI Gateway.

(g) Upon receipt of a message at the SARS EDI Gateway -

(i) the digital signature is automatically validated or invalidated; and

(ii) an electronic acknowledgement of receipt of the message is generated and automatically sent to the originator.

4. The completion of this process, when the data and information contained in the electronic record constituting the message is accepted within the computer system of the Commissioner, shall for purposes of the Act be deemed to be the affixing of a digital signature to the message received.

ELECTRONIC COMMUNICATION: AMENDMENT OF USER AGREEMENT

CUSTOMS AND EXCISE ACT, 1964 (ACT NO. 91 OF 1964)

(Rule 101A.03)

1.   ………………………………………………………………………………………

(Full name of applicant – hereinafter referred to as "registered user")

of ……………………………………………………………………………..

(Physical address of applicant – not a PO Box)

herein represented by

…………………………………………   …………………………………………..

Full name   Capacity

*duly authorised thereto by virtue of -

(a)   *a resolution passed at a meeting of the Board of Directors held at ……………………………………… on the …………………………….day of ……………………20…….; or

(b)   *the express consent in writing of all the partners of a *partnership / *members of the close corporation / *trustees of the trust; or

(c)   *being a person having the management of any other association of persons referred to in rule 60.03(2)*(a)*(iv),

(*Delete whichever is not applicable)

a party to a user agreement as contemplated in section 101A and its rules and the Commissioner hereby agree to amend the user agreement by the substitution for Annexure A thereto of the Annexure attached hereto.

Signed at ……………………………….on this ……………………day of ……………20......

………………………………….

FOR REGISTERED USER

Physical address: …………………………………………………………………………………

……………………………………………………………………………………………

……………………………………………………………………………………………

Postal address: …………………………………………………………………………..

……………………………………………………………………………………………

Fax no.:   …………………………………………..…………………………………….....

Telephone no.: ....

E-mail: ....

AS WITNESSES:

1. …………………………………………………………………………………

2. …………………………………………………………………………………

Signed at ……………………………….on this …………………day of ……………20......

……………………………………….

FOR COMMISSIONER:

Physical address: …………………………………………………………………………

………………………………………………………………………………..

………………………………………………………………………………..

Postal address: ……………………………………………………………………….

………………………………………………………………………………..

Fax no.: …………………………………………………………………………

Telephone no: ……………………………………………………………………………….

E-mail: ………………………………………………………………………

AS WITNESSES:

1. …………………………………………………………………………………

2. …………………………………………………………………………………

1.8. *PKI (Public Key Infrastructure)*

1.8.1. **Background to PKI**

1.8.1.1. *Background*

The Internet is an inherently open system. Its strengths are built around this openness, low cost and ease of access and therefore the Internet is an inexpensive medium for transacting customs compliance-related business. This openness, however, is also a source of major threat to users of the Internet. The open nature of the system makes it relatively easy for web-sites and Internet communications to be compromised and the IT assets of the Customs administration deployed to carryout EDI messaging are exposed to such threats. Certain standards of security are therefore required to be maintained, which, while affording protection to the IT assets of the customs administration, address concerns of security. The security concerns pertain to:

(a) privacy of the message
(b) its authenticity
(c) integrity and
(d) non-repudiation.

Public Key Infrastructure (PKI), based on the technology of public key cryptography, offers a solution to a customs administration, to respond to the specific security concerns raised. The EDIINT standards were developed by the Internet Engineering Task Force (IETF) to address issues concerning secure communication techniques for EDI messaging over the internet using AS1/AS2/AS3. Applicability Statement 1 (AS1), Applicability Statement 2 (AS2) and Applicability Statement 3 (AS3) are security standards defined by the IETF that allow business transactions to move securely over the Internet. The AS1 standard secures file attachments over e-mail (no longer supported by SARS). AS2 is most widely used which is based on Hyper Text Transfer Protocol and its secure form (HTTP and HTTP/S) and the secure form of Multipurpose Internet Mail Extensions (S/MIME). AS3 (FTP) is also gaining momentum worldwide.

1.8.1.2. *PKI defined*

Public key infrastructure (PKI) can be defined as the architecture, organisation, techniques, practices, and procedures that collectively support the implementation and operation of a certificate-based public key cryptographic system. It includes a set of policies, processes, server platforms, software and workstations, used for the purpose of administering Digital Certificates and keys. A Public Key Cryptographic system works with the help of asymmetric crypto-systems algorithms.

1.8.1.3. *Conventional signatures and digital signatures compared*

The challenge for the PKI is to translate the trust conventions of the physical world and make them work in on-line transactions. Signatures are not the substance of the transaction. Signatures only represent an event in a transaction. Signatures impart certain characteristics to the objects involved in the transaction. More precisely, a paper signature authenticates signer (or signatory) and a signed document whereby the signer leaves a distinctive mark and the signer's writings become the signature. This becomes the evidence connecting the signer and the signed document. The signer of a paper document is aware of the significance of the act of signing and the finality associated with the event of signing. By common law and custom, the very act of signing implies that the signer duly approves the contents of the document being signed. Signed documents represent distinct "states" or "final stages" in a transaction and the convenience associated with having crossed certain final stages or states.

In conventional signatures, paper is the basis and therefore, in the absence of paper, the characteristics of a paper-based signature have to be built into digital signatures. The PKI technology enables the generation of signatures, verification of signatures, archiving of the verified documents/records and provides evidence whenever necessary. An actual PKI implementation must therefore address itself to these aspects.

1.8.1.4. *Background to PKI at SARS*

Taking the above into consideration, SARS have included the digital signing of electronic documents within Section 101A of the Customs and Excise Act as a pre-requisite to exchanging business data electronically in a paper-less environment.

The South African Government has also promulgated the much publicised Electronic and Communications and Transactions (ECT) Act during 2002 which also states the necessity to use digital signatures for electronic communications.

Furthermore, the WCO (World Customs Organisation) also recommends the usage of digital signatures and this recommendation forms part of the Kyoto Convention's IT Guidelines which promotes best practice within Customs Administrations worldwide.

SARS uses a software product called DEC/EDI for its EDI transaction processing which has served it well over the years. Towards the end of 2001 the hardware platform was upgraded due to the immense increase of transactions received via EDI from clients. SARS recognised that EDI was now a business critical environment and it was decided to duplicate the EDI Gateway hardware in order to create a high available, clustered environment. This environment was implemented on 7 March 2004.

Due to the stability of this product and the investment already made in DEC/EDI it was decided that a PKI product that seamlessly interfaces with DEC/EDI must be acquired and that product was CATS (Compaq ASx Transport Services). AS1 (SMTP) was successfully tested and implemented with industry participants some time ago.

Subsequent to the AS1 implementation, SARS implemented AS2 (HTTP) functionality during 2008 and AS3 (FTP) is now also available as a communications option.

PKI infrastructure and usage by SARS

Public-Key infrastructure (PKI)
- ✓ **Sender Authentication** (acts as digital signature, sender verified)
- ✓ **Data Integrity** (received as sent without possible alteration)
- ✓ **Data Confidentiality** (data is scrambled / encrypted in transit and can only be de-scrambled / decrypted by intended recipient)
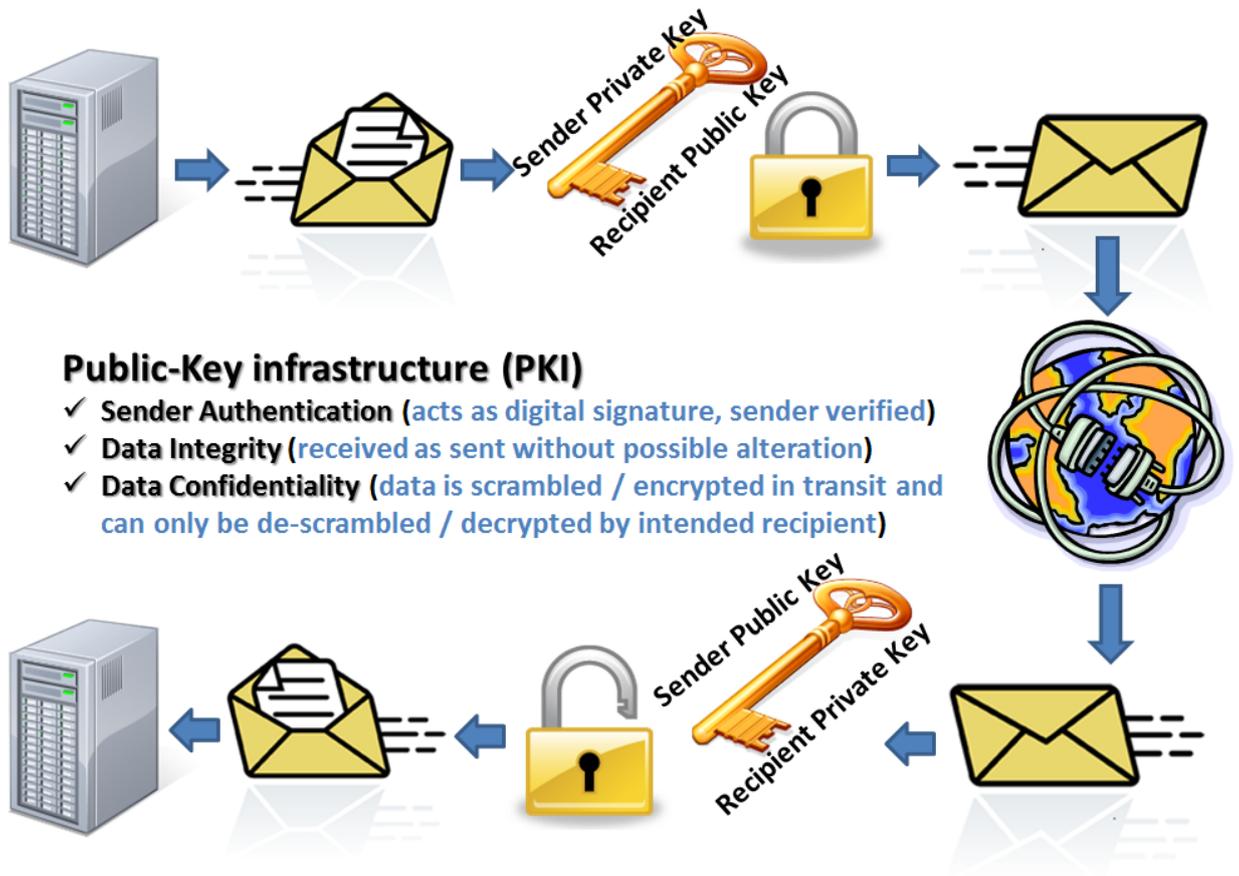
1.8.2. SARS PKI requirements

1.8.2.1. *Requirements*

This section stipulates the technical requirements for a trading partner of SARS to implement a PKI (Public Key Infrastructure) solution in order to communicate electronically with SARS over the Internet in a safe and secure manner.

This section also explains what facilities would be needed by a trading partner of SARS that utilises the Internet and what such a trading partner would need to know in order to implement a PKI solution.

Trading partners of SARS that make use of X.400 communications are not affected by the SARS PKI system as X.400 is considered to already be safe and secure.

1.8.2.2. *PKI terminology*

Some of the terminology related to PKI (Public Key Infrastructure) systems is explained here for the sake of clarity and convenience. The terminology is presented in an order that makes logically sense (and not alphabetically) when read from top to bottom. The remainder of this section assumes that the reader is familiar with these concepts.

SMTP
The "Simple Mail Transfer Protocol" is a protocol for sending e-mail messages between servers over the Internet.

HTTP
The "HyperText Transfer Protocol" is a client-server protocol used by computers on the Internet (World Wide Web). It provides a set of instructions for accurate information exchange in the form of request-and-response transactions.

HTTPS
The "HyperText Transfer Protocol over Secure Socket Layer" (or "HTTP over SSL") is a World Wide Web protocol that encrypts and decrypts client requests as well as the responses that are returned by the server.

FTP
The "File Transfer Protocol" is a standard network protocol used to exchange files over a TCP/IP based network, such as the Internet.

URL
A "Uniform Resource Locator" is the location (or address) of a file (or resource) on the World Wide Web.

AS1
AS1 stands for "Applicability Statement 1", and refers to how applicable the Internet is for sending UN/EDIFACT messages in a safe and secure manner, using SMTP e-mail messages.

AS2
AS2 stands for "Applicability Statement 2", and refers to how applicable the Internet is for transmitting UN/EDIFACT information in a safe and secure manner, using the HTTP Internet protocol.

AS3

AS3 stands for "Applicability Statement 3", and refers to how applicable the Internet is for transmitting UN/EDIFACT information in a safe and secure manner, using the FTP protocol.

Symmetrical Encryption
In a symmetrical data encryption scheme, the same key is used in both the encryption and decryption stages.

Secret Key
In a symmetrical data encryption scheme, the same key is used in both the encryption and decryption stages. This key is known as the secret key.

Asymmetrical Encryption
In an asymmetrical data encryption scheme, key pairs are used. If data was encrypted with one key of a key pair, that data can only be decrypted with the other key of that same key pair.

Public-and-Private Key Pair
In PKI (Public Key Infrastructure) systems, which are normally built on asymmetrical encryption schemes, the two keys of the key pair have different functions. One key is kept secret by its owner, and is known as the private key. The other key in the key pair is public knowledge, and is known as the public key of the party in question.

Private Key
The one half of a key pair that is kept secret by its owner. Only the owner of the private key uses it in the asymmetrical encryption or decryption of data.

Public Key
The one half of a key pair that is made public knowledge. The public key of an entity is used by other entities in the asymmetrical encryption or decryption of data.

Certificate
A certificate is a digitally signed statement from one entity, saying that the public key of some other entity has a particular value.

X.509 Certificate
The X.509 standard defines what information goes into an X.509 certificate, and how the information is formatted. X.509 certificates are commonly used by Internet security systems, and other PKI systems.

Certificate Authority (CA)
In a PKI system, the certificate authority is the trusted party responsible for issuing digitally signed certificates. Each certificate states that the public key of a certain entity has a particular value. In some cases the CA may also be responsible for the generation and issuing of the public-and-private key pairs.

Root Certificate
A root certificate is a self-signed certificate, issued by a certificate authority, stating that the public key in the certificate does belong to the certificate authority itself. Root certificates are normally trusted by the participants of a PKI system.

Message Digest

A string of digits (or string value) that is created by using a formula called a one-way hash function. The data for which the message digest is calculated is used as input to the hash function. If any portion of the original data should change, it must result in a different message digest.

Digital Signature

Encrypting a message digest with a private key, creates a digital signature, which is an electronic means of authentication.

SHA1

The "Secure Hash Algorithm 1" is a one-way hash algorithm that is used to calculate a hash value for a piece of data. Any change in the data should yield a different hash value. It is not possible to reconstruct the original data from only the hash value. This algorithm is defined in the National Institute for Standards and Technology's (NIST) FIPS 180-1 document.

Triple-DES

Triple-DES (also known as "3DES") is a symmetrical encryption algorithm.

RSA

RSA ("Rivest, Shamir, Adleman") is an asymmetrical encryption algorithm as developed by Ron Rivest, Adi Shamir, and Leonard Adleman.

MIME

"Multipurpose Internet Mail Extensions" is a specification for the formatting of non-ASCII messages, so that they can be sent over the Internet, as part of SMTP e-mail messages.

S/MIME

"Secure Multipurpose Internet Mail Extensions" is a specification for secure electronic mail. S/MIME was designed to add security to e-mail messages in MIME format.

MDN

A "Message Disposition Notification" is an electronic receipt that an e-mail message has been delivered, read or processed by the recipient of the original message. The MDN itself is in the form of an SMTP e-mail message that is sent back to the notify-party of the original message.

1.8.2.3. Basic principles of a PKI system

PKI systems are based on the following principals:

1) Asymmetric encryption is used.

2) Each party in a PKI system has a public-and-private key pair allocated to it. The private key in this key pair is only known to its owner, while the corresponding public key is common knowledge to all the parties in the system.

3) Data encrypted with a private key can only be decrypted with the corresponding public key.

4) Data encrypted with a public key can only be decrypted with the corresponding private key.

The following section will explain how the above principals are applied to achieve the main goals of a PKI system.

1.8.2.4. *Goals of a PKI system*

A successful PKI system has to achieve the following main goals:

- Sender Authentication
- Non-repudiation of Messages
- Confidentiality and Privacy
- Data Integrity

<u>Sender Authentication</u> is achieved when the sender of data first encrypts the data using its own private key before sending it off. If the data can be decrypted with the sender's public key, then only that particular sender could have sent the data, and no other party.

The above also provides for the <u>non-repudiation of messages</u>, as the sender cannot deny having sent the message in question, because the message has been encrypted with its own private key, which no other party has access to.

<u>Confidentiality and Privacy</u> is achieved when the sender of data encrypts the data with the public key of the intended recipient before sending it off. This ensures that only the intended recipient will be able to decrypt the data, by using its own private key.

<u>Data Integrity</u> is achieved when the sender of data first calculates the hash value of the data, before encrypting and sending the data together with the calculated hash value. (This hash value is similar to a checksum, but calculated by using a more complex one-way hash algorithm, like SHA1 for example). After the recipient of the data has decrypted the data, the recipient can also calculate the hash value of the received data, in order to compare the calculated hash value with the one supplied by the sender. If the two hash values are the same, then the recipient has verified that the message has not changed in transit.

1.8.2.5. *Specific details pertaining to the SARS PKI system*

The SARS PKI system utilises the following:

1) <u>SHA1</u> for the one-way hash algorithm, to calculate message digests with.

2) <u>RSA</u> for the asymmetrical encryption, using 2048bit keys.

3) <u>Triple-DES</u> for the symmetrical encryption.

4) <u>X.509</u> as the certificate standard.

5) Optional compression using <u>GZIP</u> or the <u>LZ77</u> algorithm.

6) AS2 (Applicability Statement 2 – HTTP)

7) AS3 (Applicability Statement 3 – FTP)

SARS has appointed LawTrust (www.lawtrust.co.za) as the CA (Certificate Authority) for the SARS PKI system and all public-and-private key pairs would be generated by the CA.

In the SARS PKI system, the generation, sending and processing of MDNs (Message Disposition Notifications) are required. MDNs are discussed in more detail below under the heading "Message Disposition Notifications".

SARS is not prescriptive on what AS2/AS3 PKI software traders utilise. The only requirement is that it is a Drummond Group (www.drummondgroup.com) certified product to ensure seamless interoperability.

1.8.2.6. *Key management*

The particular encryption algorithms used in PKI systems by themselves do not make the PKI system safe and secure as the specifics of these algorithms are generally known to all participants of the PKI system and may even be known to external parties. What truly makes a PKI system safe and secure, is the management of the keys. Each participant in a PKI system is therefore required to guard its own private key very closely in accordance with Section 101A of the Customs Act.

In the SARS PKI system, LawTrust the appointed CA (Certificate Authority), will generate and issue public-and-private key pairs to the participants of the PKI system. For every public key generated, the CA also generates a X.509 certificate, which is signed by the CA itself, stating that the newly created public key, does in fact belong to its legitimate owner.

Each participant of the PKI system needs a safe and secure storage place for the following information:

1) Its own private key.

2) Its own X.509 certificate, which contains its own public key, and which is signed by the CA.

3) The X.509 certificate of SARS, which contains the public key of SARS, and which is signed by the CA.

4) The self-signed root certificate of the CA which also contains the public key of the CA. This certificate must be trusted, like root certificates normally are.

The above keys and certificates are normally stored in a password protected "key store" or "certificate store", where every entry is normally also password protected. Every key and certificate is normally stored with an alias for easy identification and retrieval.

Two existing real-world key and X.509 certificate containers are:

1.) "**Microsoft Certificate Store**"

This certificate store is bundled with the following Microsoft operating systems: "Windows 2000 Professional", "Windows XP Professional", "Windows 2000 Server", "Windows 2003 Server", and potentially other versions of Windows.

2.) "**Java Keystore**"

The Java Keystore is a feature of the JCE ("Java Cryptography Extension"), which is bundled with Java version 1.4 or higher. Older versions of Java required the JCE to be installed separately.

1.8.2.7. Obtaining a public-and-private key pair

In the SARS PKI system all public-and-private key pairs are generated by the certificate authority (CA) appointed by SARS.

Once a key pair has been generated for a particular trading partner of SARS, the keys are made available on the specified web-site, to be downloaded over a secure https connection by the intended trading partner.

In order to download the keys the trading partner in question will be provided with the following information:

1) A pass-code (alpha-numeric string)

2) An ID Number (numeric value)

3) The Internet address of where the keys may be downloaded from, in the form of an https web URL

The trading partner must use Micorosoft Internet Explorer to connect to the specified URL. After the pass-code and ID number have been entered manually, Internet Explorer will download the keys and certificates over a secure connection, and automatically store them in the Microsoft Certificate Store.

If the trading partner of SARS intends to use a software solution based on the "Java Cryptography Extension", then the keys and certificates must be exported manually from the Microsoft Certificate Store, in order to import them into the Java Keystore.

1.8.2.8. Building up and sending a PKI message (AS1)

The software solution used by the trading partners of SARS needs to have the ability to perform the following steps when sending a PKI-enabled message to SARS. Please note that these basic steps are listed here as a guideline only of what is required and that the steps are not fully detailed. Please consult the relevant RFC documents for more details.

1) Fetch the private key and the X.509 certificate that belong to the trading partner of SARS, from the key and certificate container that is used by the software solution. The Microsoft Certificate Store, Java Keystore, or any other type of key and certificate container may be used.

2) Fetch the X.509 certificate that belongs to SARS from the key and certificate container used by the software solution.

3) Generate the message digest of the original message by using the SHA1 algorithm.

4) Generate a digital signature by asymmetrically encrypting the message digest using the RSA algorithm and the private key of the trading partner of SARS.

5) Generate a Triple-DES secret key and symmetrically encrypt the original message with the newly generated secret key.

6) Asymmetrically encrypt the above secret key with the RSA algorithm and by using the public key of SARS.

7) Optionally compress the message using the GZIP or the LZ77 compression algorithm.

8) Format all the required data into a single S/MIME message, as specified in RFC 2633, "S/MIME Version 3 Message Specification" and RFC 3335, "MIME-based Secure Peer-to-Peer Business Data Interchange over the Internet".

9)   Either send the S/MIME message via SMTP, or deliver it via the https protocol. Please note that SARS uses SMTP.

1.8.2.9. Processing a PKI message (AS1)

The software solution used by the trading partner of SARS needs to have the ability to perform the following steps when processing a PKI-enabled message that has been received from SARS. Please note that these basic steps are listed here as a guideline only of what is required and that the steps are not fully detailed. Please consult the relevant RFC documents for more details.

1)   Fetch the private key and the X.509 certificate that belong to the trading partner of SARS, from the key and certificate container that is used by the software solution. The Microsoft Certificate Store, Java Keystore, or any other type of key and certificate container may be used.

2)   Fetch the X.509 certificate that belongs to SARS from the key and certificate container used by the software solution.

3)   Extract the various components that make up the single S/MIME message.

4)   Decompress the message if it was compressed.

5)   Asymmetrically decrypt the encrypted secret key by using the RSA algorithm and the private key of the trading partner of SARS.

6)   Symmetrically decrypt the encrypted message body by using the extracted secret key and the Triple-DES algorithm.

7)   Asymmetrically decrypt the digital signature to extract the message digest of the original message by using the RSA algorithm and the public key of SARS.

8)   Calculate the SHA1 message digest of the unencrypted message body and compare with the message digest that was extracted from the digital signature that was part of the S/MIME message that was received.

9)   An exception or error must be reported if the calculated SHA1 message digest is different from the one provided as part of the S/MIME message. A difference would indicate that the message was changed in transit.

1.8.2.10. Message Disposition Notifications (MDN) (AS1/AS2/AS3)

In the SARS PKI system, the generation, sending and processing of MDNs (Message Disposition Notifications) are required by SARS. An MDN is an electronic receipt notification that denotes that the intended recipient has in fact received and processed the original message. The use of MDNs is very useful when tracking problems where one party claims that messages may have gone missing.

Trading partners of SARS need to have the ability to process MDNs sent by SARS to the trading partner. An MDN received from SARS must be used to update the record, of the message originally sent to SARS, to indicate that the message in question was in fact been received by SARS.

Similarly, trading partners of SARS need to have the ability to send an MDN to SARS in response to every PKI message received from SARS. This will enable SARS to update its own records of messages sent to trading partners to indicate which messages were in fact received by the intended recipients.

The SARS PKI system supports MDNs as specified in RFC 2298, "An Extensible Message Format for Message Disposition Notifications".

1.8.2.11. PKI summary

To summarise, the software solution used by the trading partner of SARS needs to have the ability to perform the following high-level tasks:

1) Provide a secure storage space for private keys and X.509 certificates.

2) On-demand retrieval of private keys and X.509 certificates from the key and certificate container.

3) Build up and send PKI messages.

4) Process PKI messages that were received and extract the uncompressed content of the original message.

5) Process MDNs that were received.

6) Build up and send MDNs.

1.8.2.12. Web links to PKI sites

Specified below are a number of useful PKI related web links should more information on PKI be required.

- IETF home page
www.ietf.org/home.html

- Digital signature encyclopaedia
http://en.wikipedia.org/wiki/Digital_signature

- IETF EDIINT
www.imc.org/ietf-ediint

- Drummond Group website /standards
www.drummondgroup.com/html/standards.html

1.8.3. SARS PKI application process

The following steps need to be followed when applying for PKI.

1.8.3.1. Step 1

For clients that wish to use the Internet to transfer EDI data the client must complete a DA 185.4A6 to request a Digital Certificate from SARS. Although the applicant may already have completed this form when the application was lodged originally to request Electronic Communication, (as specified under the section "How to register for Electronic Commerce with SARS") it needs to be completed again for verification purposes.

Please note that new EDI clients must, in addition to the process described below, ensure that the process specified under the section titled "How to register for Electronic Commerce with SARS" is also followed.

1.8.3.2. Step 2

In addition to the documents required in Section F on the DA 185.4A6, the application must be accompanied by the following documents.

- A Covering letter requesting a Digital Certificate from SARS. This covering letter must state, over and above the company particulars, the client's Customs/Agent Code and whether the applicant is a new or existing EDI user. This covering letter must be printed on an official company letterhead.
- DA 185.4A6
- All sections on the DA 185.4A6 are mandatory and must be completed.
- ID Book/Valid Passport of the authorised person in terms of Section D (Authority to apply) of the DA 185.4A6.
- Certified copy of the ID document/Valid Passport of the above mentioned authorised person.

Note: It should be noted that the person designated in Section D of the DA 185.4A6, who also appears on the resolution/consent or any other authority, must present the application in person and will be subjected to the verification process.

The cell phone number and e-mail address are mandatory requirements and must be completed.

1.8.3.3. Step 3

The application must be handed in at either the SARS Head Office in Pretoria or at a Customs Branch Office.

Head Office:
If the application is hand-delivered to SARS' Head Office it must be handed to Rita Burger at the address specified below. Please note that the authorised person in terms of Section D (Authority to apply) of the DA 185.4A6 must present the application in person.

> **The EDI Business Administrator (RITA BURGER)**
> **Walker Creek,**
> **90 Florence Ribeiro (formerly Queen Wilhelmina Street (corner of Florence Ribeiro & Totius Street)**
> **Nieuw Muckleneuk**
> **Pretoria**
>
> **Tel number: (012) 422-5129**
> **Cell number: 082-894-2165**

Branch Office:

If choosing to hand-deliver the application to a Branch Office it must be handed to the Client Interface Team. Please note that the authorised person in terms of Section D (Authority to apply) of the DA 185.4A6 must present the application in person.

- As stated earlier, clients may submit their applications to either the SARS Head Office or any Customs Branch Office.
- Handing the applications in at Head Office is the preferred route as this will result in a speedier response to clients.
- Should applications be handed in at a Branch Office, cognisance must be taken of the fact that this process will take considerably longer as the documents need to be couriered to Head Office for final processing.

1.8.3.4. Step 4

Physical verification of documents, and the authorised person, will be performed by the authorised SARS officer receiving the application. On a successful application the client will receive an Acknowledgement Of Receipt, i.e. a signed copy of the document included below.
Note: The successful acceptance of application forms will depend on the adherence to the criteria specified and will be rejected if incorrect.

1.8.3.5. Step 5

Once a PKI application has been accepted and processed, the service provider will be notified via E-mail once the Digital Certificate has been issued. A one-time pass-code, to enable the download of the certificate from the CA, will be sent via SMS to the cell number of the designated person at the service provider.

1.8.3.6. Acknowledgement of Receipt

Checking document:	All fields are mandatory

AGENT DETAILS

Agent Name:_____	Applicant name:_____
Agent Code:_____	Cell Number_____
Dual	E-mail Address _____

SARS DETAILS

Name of officer:_____	Branch Office:_____

New EDI Client ☐   Existing EDI Client ☐

Covering letter	
Signed DA 185.4A6 (Ensure all sections were completed)	
A signed Resolution/consent or other authority	
The person appearing in the abovementioned resolution/consent or other authority matches the person designated in Section D of the DA 185.4A6	
Certified copy of the ID of the person authorised in Section D of the DA 185.4A6	
Certified copy matches the physical ID Book	
Positive identification of the person presenting the application, verified against the ID Book/Valid Passport presented	
DA 185 **(New EDI Clients only)**	
Signed User Agreement **(New EDI Clients only)**	

Signature of officer:_____   Date:_____

1.9. *USER MANUAL MAINTENANCE*

This manual is issued and maintained by the South African Revenue Service (SARS, Private Bag X923, Pretoria, 0181) and can be downloaded from the SARS web site at www.sars.gov.za.

The current version of the manual or parts of the manual can be identified by a version number and date located at the bottom of each page.

Requests for changes should be made in accordance with the following SARS procedure:

1. Additions and/or amendments required to a Data Mapping Guide based on a specific directory must be made in writing to the above address, for the attention of the EDI Administration Section.

2. Requests for additions and/or deletions will be considered by SARS from time to time.

3. Decisions on the placement of application data in a specific SARS message will be made by SARS from time to time.

4. The requester will be notified, in writing, of any decision made by SARS.

5. A decision made by SARS that is disputed by the requester will be referred to the SARS Stakeholder Forum that also meets every two months.

6. Notification of any additions and/or changes to a Data Mapping Guide will be issued to trade from time to time.

7. Agreed additions and/or changes to a Data Mapping Guide will be fully incorporated into the following release of the Data Mapping Guide.

8. Changes will be implemented as stipulated within the User Agreement.

SARS reserves the right to change the processes and details as contained in this document, and others related hereto, from time to time without prior notice.

1.10. *DOCUMENT VERSION CONTROL*

Following are the procedures SARS will follow for assigning document and version numbers to documents.

ASSIGNING NAMES TO DOCUMENTS

SARS will assign an appropriate name to all new documents that will include the version number.

ASSIGNING VERSIONS TO DOCUMENTS

The following procedure will be followed when assigning version numbers to documents.

-   With each full release of the SARS EDI User Manual the version will increment by one, i.e. should the current version be V10, the new version will be V11.
-   Each time a sub-document within the SARS EDI User Manual is amended, that document will be marked as, for example, V11_1, V11_2 and so on.

ASSIGNING DATES TO DOCUMENTS

Documents will reflect the date on which they were last amended.

2. TERMS AND DEFINITIONS

TERM	DESCRIPTION
CEFACT	CEnter for Facilitation of procedures and practices for Administration, Commerce and Transport. Ruling body under the UN/ECE for the whole UN/EDIFACT process.
DIR DYYA DIR DYYB	This indicates the directory on which the messages, segments and code lists are based. The "D" stands for directory. The "YY" indicates the year in which the directory was published. The "A" indicates that it is the first and the "B" that it is the second UNTDID of that year.
Directory	A directory is a complete set of messages, segments, composite data elements or data elements published by the United Nations.
DMG	Data Mapping Guide. This guide contains details of how to map SARS' data requirements to the relevant UN/EDIFACT message structures.
EDI	Electronic Data Interchange.
UN/EDIFACT	United Nations/Electronic Data Interchange For Administration, Commerce and Transport.
ISO	International Standards Organisation.
ISO 9735 Ver. 3	Syntax rules used by UN/EDIFACT which are common for all messages.
PKI	Public Key Infrastructure.
Service segment	A service segment is a segment which is defined and maintained under ISO 9735 (and therefore not linked to any specific directory) and whose usage is common to all messages, e.g. UNB, UNH, UNT, UNZ etc.
Syntax rules	UN/EDIFACT syntax rules are defined in ISO 9735. These rules govern the transmission structure and representation of UN/EDIFACT messages.
UN/ECE	Economic Commission for Europe of the United Nations.
UNSM	United Nations Standard Message.
UNTDED	United Nations Trade Data Element Directory.
UNTDID	United Nations Trade Data Interchange Directory.

3. SERVICE SEGMENTS

3.1. *UNB, INTERCHANGE HEADER (Mandatory, 1)*

SEGMENT FORMAT

TAG Description	M/C	Format	Special Notes
S001 : SYNTAX IDENTIFIER	M		
0001 : Syntax identifier	M	a4	UNOB
0002 : Syntax version number	M	n1	4
S002 : INTERCHANGE SENDER	M		
0004 : Interchange Sender identification	M	an..35	See SARS Address Details
0007 : Partner identification code qualifier	C	an..4	Not used
0008 : Address for reverse routing	C	an..14	Not used
0042 : Interchange sender internal sub-identification	C	an..35	See SARS Address Details
S003 : INTERCHANGE RECIPIENT	M		
0010 : Interchange recipient identification	M	an..35	See SARS Address Details
0007 : Partner identification code qualifier	C	an..4	Not used
0014 : Interchange recipient internal identification	C	an..35	Not used
S004 : DATE/TIME OF PREPARATION	M		
0017 : Date	M	n8	Use (Century Added)
0019 : Time	M	n4	Use
0020 : INTERCHANGE CONTROL REFERENCE	M	an..14	See comments below
S005 : RECIPIENTS REFERENCE PASSWORD	C		
0022 : Recipient's reference/password	M	an..14	Use, see comments below
0025 : Recipient's reference/password qualifier	C	an2	Use, see comments below
0026 : APPLICATION REFERENCE	C	an..14	Use, see comments below
0029 : PROCESSING PRIORITY CODE	C	a1	Not used
0031 : ACKNOWLEDGEMENT REQUEST	C	n1	Not used
0032 : INTERCHANGE AGREEMENT IDENTIFIER	C	an..35	Use, see comments below
0035 : TEST INDICATOR	C	n1	Use, must be set to 1 if test transmission.

SEGMENT DESCRIPTION

Specification of the beginning of a message interchange. It identifies the message syntax, the parties to the transmission, including details of password, communication, control, application and test conditions.

SEGMENT RULES

The segment must always be used in a transmission and must begin the transmission or, where the UNA string is used, immediately follow it.

Below follows a description of each data element mentioned above. Please note that not all data elements are required as per the able above.

SYNTAX IDENTIFIER (S001)

Syntax identifier (0001)

Identifies the United Nations syntax and level. The first 3 characters are always "UNO" followed by the level. The level is identified by an alpha character starting at "B". The Level B Character Set follows:

Level B Character Set

Letters, upper case	A to Z
Letters, lower case	a to z
Numerals	0 to 9
Space character	
Full stop	.
Comma	,
Hyphen/minus sign	-
Opening parentheses	(
Closing parentheses	)
Oblique stroke (slash)	/
Apostrophe	'
Plus sign	+
Colon	:
Equals sign	=
Question mark	?
Exclamation mark	!
Quotation mark	"
Percentage sign	%
Ampersand	&
Asterisk	*
Semi-colon	;
Less-than sign	<
Greater-than sign	>

Syntax version number (0002)

Increment by 1 for each new version, SARS uses version 4.

INTERCHANGE SENDER (S002)

Sender identification (0004)

Identifies the sender of the interchange by either name or a code equivalent. The format of this information would usually be specified in a prior Interchange Agreement between the parties.

Partner identification code qualifier (0007)

Where a code is used to identify the sender, the source is identified in this component.

Address for reverse routing (0008)

Identifies an address to be included in any response by the recipient to the sender of the original message in order to facilitate internal routing.

Interchange sender internal sub-identification (0042)

Service Provider Code (To be provided to each Service Provider individually) (3 characters) and,

Communications medium codes (3 characters):

- 400 = X.400
- AS2 = AS2
- AS3 = AS3
- e.g. AAA400

INTERCHANGE RECIPIENT (S003)

Recipient identification (0010)

Identifies the recipient of the interchange by either name or a code equivalent. The format of this information would usually be specified in a prior Interchange Agreement between the parties.

Identification code qualifier (0007)

Where a code is used to identify the recipient, the source is identified in this component.

Interchange recipient internal sub-identification (0014)

Identifies the address to be included by the sender to the recipient in order to facilitate internal routing. If this component is used, normally codes would be agreed and provided.

DATE/TIME OF PREPARATION (S004)

Date (0017)

The date the interchange was prepared in CCYYMMDD (Century Century Year Year Month Month Day Day) format e.g. 20070629.

Time (0019)

The relevant time of day, using the 24 hour clock, at which the interchange was prepared in HHMM (Hour Hour Minute Minute) format, e.g. 1032.

INTERCHANGE CONTROL REFERENCE (0020)

A unique reference number assigned by the sender to identify the interchange. This reference must be a sequential number, unique per UN/EDIFACT message type and agent code.

RECIPIENTS REFERENCE, PASSWORD (S005)

Recipient's reference/password (0022)

Specifies a reference or password to be used in the interchange to permit access to the recipient's system or to a network provider. This is the Password that will be received from SARS once a signed Electronic Communications User Agreement with the relevant documentation was received and processed by SARS.

Recipient's reference/password qualifier (0025)

This is the Qualifier that will be received from SARS once a signed Electronic Communications User Agreement with the relevant documentation was received and processed by SARS.

APPLICATION REFERENCE (0026)

May be used only if the interchange contains one message type. A reference to the specific systems application that will process all the messages in the interchange can be made here.

For easy reference, the Partner Identification below is depicted as "00000000".

	MESSAGE TO CUSTOMS		**MESSAGE FROM CUSTOMS**	
	Application reference (0026)	**Communications Agreement ID (0032)**	**Application reference (0026)**	**Communications Agreement ID (0032)**
IMPORTS				
CUSDEC	CUSDEC	00000000	CONTRL	00000000
CUSRES	CONTRL	00000000	CUSRES	00000000
EXPORTS				
CUSDEC	EXPORT	00000000-E	CONTRL-EXPORT	00000000-E
CUSRES	CONTRL-EXPORT	00000000-E	EXPORT	00000000-E
CONTAINER RELEASE ETC.				
CUSRES	CONTRL	00000000	CUSRES	00000000
EXCHANGE RATES				
GESMES	CONTRL-GESMES	00000000	GESMES	00000000
CALL INFO				
CALINF	CALINF	00000000	CONTRL-CALINF	00000000
CUSRES	CONTRL-CALINF	00000000	CUSRES-CALINF	00000000

	MESSAGE TO CUSTOMS		MESSAGE FROM CUSTOMS	
	Application reference (0026)	**Communications Agreement ID (0032)**	**Application reference (0026)**	**Communications Agreement ID (0032)**
MANIFEST INFO				
CUSCAR	CUSCAR	00000000	CONTRL-CUSCAR	00000000
CUSRES	CONTRL-CUSCAR	00000000	CUSRES-CUSCAR	00000000
DISCHARGE				
COARRI	COARRI	00000000	CONTRL-COARRI	00000000
CUSRES	CONTRL-COARRI	00000000	CUSRES-COARRI	00000000
GATE IN/OUT				
CODECO	CODECO	00000000	CONTRL-CODECO	00000000
CUSRES	CONTRL-CODECO	00000000	CUSRES-CODECO	00000000
OUTTURNS				
COSTCO	COSTCO	00000000	CONTRL-COSTCO	00000000
CUSRES	CONTRL-COSTCO	00000000	CUSRES-COSTCO	00000000
TARIFFS				
PRODAT	CONTRL-PRODAT	00000000	PRODAT	00000000
REFUNDS				
INVOIC	INVOIC	00000000	CONTRL-INVOIC	00000000
CUSRES	CONTRL-INVOIC	00000000	CUSRES-INVOIC	00000000
RESEND REQUEST				
REQDOC	REQDOC	00000000	CONTRL-REQDOC	00000000
CUSRES	CONTRL-REQDOC	00000000	CUSRES-REQDOC	00000000
PERMITS				
SANCRT	SANCRT	00000000	CONTRL-SANCRT	00000000
CUSRES	CONTRL-SANCRT	00000000	CUSRES-SANCRT	00000000
PASSENGER INFO				
PAXLST	PAXLST	00000000	CONTRL-PAXLST	00000000

	MESSAGE TO CUSTOMS		MESSAGE FROM CUSTOMS	
	Application reference (0026)	Communications Agreement ID (0032)	Application reference (0026)	Communications Agreement ID (0032)
TRANSACTION LISTING				
STATAC	REQDOC-SOA	00000000	CONTRL-STATAC	00000000
CUSRES	CONTRL-STATAC	00000000	CUSRES-STATAC	00000000

PROCESSING PRIORITY CODE (0029)

Code denoting the processing priority for the interchange as assigned by the sender. This component should be used only if specified in an Interchange agreement. Currently only code "A" (Highest priority) may be used.

ACKNOWLEDGEMENT REQUEST (0031)

If used, a code (always "1"), requesting that the recipient send an acknowledgement of the successful receipt of the interchange.

COMMUNICATIONS AGREEMENT ID (0032)

Identifies the agreement under which the interchange takes place. The code or name to be used would be specified in the DA 185/DA 185.4A6. Please also refer to the table specified under "APPLICATION REFERENCE (0026)" above. Should a Dual Code have been requested on the DA 185.4A6 registration document, this Dual code must be added to the aforementioned code.

TEST INDICATOR (0035)

To identify that the interchange is a formal test and does not contain active data (must be "1" for testing). If not supplied, the interchange is Live.

3.2. *UNH MESSAGE HEADER (Mandatory 1)*

The usage of this segment is described in each individual Data Mapping Guide of each UN/EDIFACT message contained in this SARS EDI User Manual.

SEGMENT FORMAT

TAG Description	M/C	Format	Special Notes
0062 : MESSAGE REFERENCE NUMBER	M	an..14	
S009 : MESSAGE IDENTIFIER	M		
0065 : Message Type Identifier	M	an..6	Use
0052 : Message Type Version	M	an..3	Use
0054 : Message Type Release Number	M	an..3	Use
0051 : Controlling Agency	M	an..2	Use
0057 : Association Assigned Code	C	an..6	Use
0068 : COMMON ACCESS REFERENCE	C	an..35	Not Used
S010 : STATUS OF THE TRANSFER	C		
0070 : Sequence Message Transfer Number	M	n..2	Not used
0073 : First/last sequence message transfer indication	C	a1	Not used

SEGMENT DESCRIPTION

Specification of the beginning of each individual message and unique identification of the message. This segment also specifies the message type version and release numbers used in formatting the information and identifies any references common to the parties to the transaction.

SEGMENT RULES

The segment must always be used in a message and must begin the message.

Below follows a description of each data element mentioned above. Please note that not all data elements are required as per the able above.

MESSAGE REFERENCE NUMBER (0062)

Identification of the message by a unique number assigned by the sender. Start at 1 and increment by 1 for each message within an interchange. Each interchange must start at 1.

MESSAGE IDENTIFIER (S009)

Specification of the message type being sent (e.g. CUSDEC), followed by the version and release number used in formatting the information and the controlling agency. An international or national subset of the message may be identified in the last component.

Message type identifier (0065)

Specification of the UN/EDIFACT message type contained within the message header (UNH).

Message type version number (0052)

Specification of the UN/EDIFACT version (Status) number used in formatting the SARS message.

Message type release number (0054)

Specification of the UN/EDIFACT Directory release number used in formatting the SARS message.

Controlling agency (0051)

Specification of the Agency responsible for the maintenance of the message type, which has been identified. The Controlling agency must always be "UN".

Association assigned code (0057)

Where the use of subsets has been agreed between transmission partners, these will be identified as follows:

> The numeric code assigned to the administration in the 3055 Code set (Code list responsible agency, coded) followed by up to 3 numeric characters. These will be used to identify a particular administrative subset of the message.

COMMON ACCESS REFERENCE (0068)

An identification permitting data received in separate messages to be related to the same message.

STATUS OF THE TRANSFER (S010)

Sequence of transfers (0070)

Where a number of messages, of the same type, are linked in a process, the processing sequence of each message is identified by a number starting with 1 and incremented for each transfer.

First and last transfer (0073)

The first transfer in a sequence is identified by the code "C" (Creation). The last transfer is identified by the code "F" (Final).

3.3. *UNT, MESSAGE TRAILER (Mandatory, 1)*

SEGMENT FORMAT

TAG Description	M/C	Format	Special Notes
0074 : NUMBER OF SEGMENTS IN A MESSAGE	M	n..6	Use
0062 : MESSAGE REFERENCE NUMBER	M	an..14	Use

SEGMENT DESCRIPTION

Identifies the end of the message. It specifies the number of segments in the message (including the UNH and UNT segments) and confirms the message reference number identified in the UNH segment.

SEGMENT RULES

Must be used to end each message.

Below follows a description of each data element mentioned above.

NUMBER OF SEGMENTS IN THE MESSAGE (0074)

The summation of each and every occurrence of a segment, including the UNH (Message header) and UNT (Message trailer) segments.

MESSAGE REFERENCE NUMBER (0062)

The reference number assigned to the message and declared in the first component of the UNH (Message header) segment.

3.4. *UNZ, INTERCHANGE TRAILER (Mandatory)*

SEGMENT FORMAT

TAG Description	M/C	Format	Special Notes
0036 : INTERCHANGE CONTROL COUNT	M	n..6	
0020 : INTERCHANGE CONTROL REFERENCE	M	an..14	

SEGMENT DESCRIPTION

Identifies the end of each transmission/interchange.

SEGMENT RULES

Must be used to end each transmission/interchange.

Below follows a description of each data element mentioned above.

INTERCHANGE CONTROL COUNT (0036)

The count of the separate messages (UNH/UNT pairs).

INTERCHANGE CONTROL REFERENCE (0020)

The reference number used in the same component in the UNB segment must be repeated.

3.5. *UNS, SECTION CONTROL (Conditional)*

The usage of this segment is described in each individual Data Mapping Guide of each UN/EDIFACT message, contained in this SARS EDI User Manual.

SEGMENT FORMAT

TAG Description	M/C	Format	Special Notes
0081 : SECTION IDENTIFICATION	M	a1	Use

SEGMENT DESCRIPTION

To separate the header, detail and summary sections of a message.

SEGMENT RULES

Conditional, but if specified in a message structure it must be Mandatory.

Below follows a description of the data element mentioned above.

SECTION IDENTIFICATION (0081)

Only the use of two designated codes are allowed:

"D" separates the header and detail sections of a message.

"S" separates the detail and summary sections of a message.

4. **SARS COMMUNICATION DETAILS**

4.1. *SARS UNB ADDRESS DETAILS*

ELEMENT IN UNB	*SARS UNB ADDRESS DETAILS*
S002/0004 AND S0003/0010	SARS

4.2. *SARS AS2 SETUP INFORMATION*

Company Name	
Full Address	Lehae La SARS (Head Office) 299 Bronkhorst Street Nieuw Muckleneuk Pretoria South Africa
AS2 Technical Contact: **Name** **Email** **Phone**	 Jaco Bruwer jbruwer@sars.gov.za +27 12 422 5833
AS2 Software Used by SARS:	IBM WebSphere DataPower XB62 SOA Appliance
Transmission Protocol:	AS2 over HTTP
Message Format Type:	Signed and encrypted
MDN Required:	Synchronous MDN, Signed SHA-256
Request Signed Receipt:	SHA-256
Encryption Algorithm:	DES-3 (Triple-DES)
AS2 FROM Identifier **AS2 TO Identifier**	"Agent code supplied by SARS" (eg. 01234567 or 01234567ABC) SARS
Production URL: **Pre-Prod/Testing URL:**	**http://EDIB2B.SARS.GOV.ZA/** **http://196.33.255.226:8030/**
Production Port:	80 or 5080
PROD SARS sending IPs	196.33.255.247 & 196.33.255.249 (Firewall access for both IPs)
File naming conventions: **Incoming to SARS**	 2008082212340001.TXT (yyyymmddhhmm"counter 0001-9999".TXT) Incoming Filename MUST be unique with an extension of ".TXT"
Digital Certificates: **SARS Public key** **Trading Partner Private and Public keys**	 The SARS Public key will be sent to Trading Partner. (.CER) SARS supplies TP with information to download Private key from Certificate Authority. (.PFX)

4.3. *SARS AS3 SERVER INFORMATION*

Company Name	
Full Address	Lehae La SARS (Head Office)
	299 Bronkhorst Street
	Nieuw Muckleneuk
	Pretoria
	South Africa
AS3 Technical Contact: Name: Email: Phone:	Jaco Bruwer jbruwer@sars.gov.za +27 12 422 5833
AS3 Software:	IBM WebSphere DataPower XB62 SOA Appliance
Transmission Protocol:	AS3 over FTP
Message Format:	Signed and encrypted message.
MDN Required:	Asynchronous MDN, Signed SHA-1
Request Signed Receipt:	SHA-1
Encryption Algorithm:	DES-3 (Triple-DES)
AS3 FROM Identifier AS3 TO Identifier	"Agent code supplied by SARS" (e.g. 01234567 or 01234567ABC) SARS
Production URL: **Pre-Prod/Testing URL:**	**ftp://EDIB2B.SARS.GOV.ZA:2021** **ftp://196.33.255.226:2023**
Communication Port: Data Ports: Data channel Mode:	2021 20100 – 20999 Passive
Incoming file location: **File naming convention:**	Place file in "/Inbox" (e.g. PUT 2008082212340001.TXT /Inbox/2008082212340001.TXT) 2008082212340001.TXT (yyyymmddhhmm"counter 0001-9999".TXT) Incoming filename MUST be unique and have extension of ".TXT"
Response file location: Response files: MDN location: MDN files:	Pickup response files in *"/Agentcode/*outbox/payload" *EDI_Gateway*(file does not have an extension) Pickup MDN in "*/Agentcode/*outbox/mdn" *.mdn
Digital Certificates: SARS Public key **Trading Partner Private and Public keys**	The SARS Public key will be sent to Trading Partner. (.CER) SARS supplies TP with information to download Private key from Certificate Authority. (.PFX)

4.4. *SARS X.400 DETAILS*

X.400 PARAMETER	*SARS X.400 ADDRESS DETAILS*
COUNTRY CODE	ZA
ADMD	TELKOM400
PRMD	CUSEX
ORGANISATION	EDI
ORGANISATION UNIT 1	
ORGANISATION UNIT 2	
ORGANISATION UNIT 3	
ORGANISATION UNIT 4	
COMMON NAME	
SURNAME	
GIVEN NAME	
INITIALS	
GENERATION	

5. CODE LISTS

This section contains both the national code lists that are maintained by the South African Revenue Service as well as relevant international code lists, where applicable. Please note that, as from version 14 of the SARS EDI User Manual, only code lists that do not appear within the Customs Manual for Completion of Declarations (Ref. SC-CF-04), are included here. The mentioned manual, may be downloaded from the SARS web site at www.sars.gov.za .For External Service Providers to the Customs and Trade, SARS will e-mail updates in regard to system code lists and other systems related changes as and when they are planned.

Code List	Description
1	Alphabetic District Office Codes
2	Party Relationship Indicator
3	Facilities Code
4	Customs Warehouse Types
5	Statistical Quantity
6	Countable Quantity
7	Preference Codes
8	Currency Codes
9	Message function, coded
10	Transport mode, coded
11	Payment Method, coded
12	Full-empty indicator
13	Bank Coded
14	Customs Status Codes
15	Valuation Method
16	New/Used Indicator
17	To be coded
18	Change Acknowledgement Indicator
19	Additional Information Codes
20	Status Codes
21	Syntax Error Codes
22	Unregistered Trader ID Qualifier
23	Supporting documents

5.1. *SEA CARGO CODE TABLES*

Author	Code table	Edition	Web address
International Organisation for Standards (ISO)	Container size / type	ISO 1161:1984 (old) ISO 6346:1995 (new)	http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=5732 http://www.iso.org/iso/catalogue_detail?csnumber=20453
The International Maritime Organisation (IMO)	Dangerous Goods (IMDG) Code	➲ Amendment 34-08 (1/01/2009 - 31/12/ 2011) ➲ Amendment 35-10 (1/01/2011-31/12/2013)	http://www.imdgsupport.com/
United Nations Economic Commission for Europe (UNECE)	United Nations Dangerous Goods (UNDG) number	16th revised edition of the Model Regulations	http://live.unece.org/trans/danger/publi/unrec/rev16/16files_e.html http://live.unece.org/fileadmin/DAM/trans/danger/publi/unrec/rev16/English/03E_Part3.pdf
	Package Type	Recommendation No.21 Revision 8.1	http://www.unece.org/cefact/recommendations/rec_index.htm
	Customs Location (UN/LOCODE)	Version 2010-2	http://www.unece.org/cefact/codesfortrade/codes_index.htm

5.2. *AIR CARGO CODE TABLES*

Author	Code table	Edition	Web address
The International Air Transport Association (IATA)	➲ Airline prefix code ➲ 3-letter airport code	➲ Airline Coding Directory (ACD) ➲ Latest subscription ➲ Published twice a year on June 1st and December 1st	http://www.iata.org/ps/publications/Pages/coding.aspx
	Dangerous Goods Regulation (DGR)	2011 (52 edition)	http://www.iata.org/ps/publications/dgr/Pages/software.aspx

Links correct at time of publishing and may change

6. INTERPRETATION OF UN/EDIFACT DOCUMENTATION

6.1. *DATA MAPPING GUIDE*

The purpose of this section is to describe how to interpret the Data Mapping Guide (DMG) to be used by the implementers of the EDI system. The Data Mapping Guide describes the full UN/EDIFACT segment details to the left of the document as well as the exact SARS data mapping requirements towards the right of the document. Following is a detailed explanation of each column used in the heading on each page of the DMG.

COLUMN 1 - EDI ID

At Segment level this column specifies the UN/EDIFACT Segment identifier.

At Data Element level this column specifies the UN/EDIFACT data element identifier, irrespective of it being a Composite, Component or Simple Data Element.

COLUMN 2 - EDI DATA ELEMENT/SEG NAME

At Segment level, the UN/EDIFACT Segment name appears here.

At Data Element level, the UN/EDIFACT Data Element name appears here.

COLUMN 3 - REQ

At both Segment and Data Element levels, the UN/EDIFACT requirement is specified, i.e. whether the Segment or Data Element is Mandatory (M) or Conditional (C).

COLUMN 4 - E-LEN

At Data Element level this column is used to denote the type and length of the UN/EDIFACT Data Element.

COLUMN 5 - EDI QUALIFIER/DEFAULT

This column specifies either the UN/EDIFACT qualifier value or in the case of a standard default, the default value.

COLUMN 6 - OCC

At Segment level, this column denotes the maximum number of occurrences that are allowed of the UN/EDIFACT Segment within the UNSM (United Nations Standard Message).

At Data Element level, this column denotes which Data Elements within the Segment are used together within each occurrence of the Segment. This means that all Data Elements containing for e.g. ">A" in this column will be used in one occurrence of the Segment. So also will all Data Elements containing ">B" be used in another occurrence of the Segment, and so on. In instances where more than one of the same occurrence is specified, it means than for that occurrence, a choice must be made as to the relevant qualifier to be used.

COLUMN 7 - KEY

At Segment level, this column contains the number specified on the branching diagram below each Segment. This is for easy reference from this document to the branching diagram.

At Data Element level, this column contains the SARS data element key number/ID.

COLUMN 8 - DATA ELEMENT NAME

This column specifies the SARS name of the data element to be mapped in this position. The Data Element Name corresponds to that specified in the original Data Requirements Document and where possible, the disk layouts.

COLUMN 9 - TYPE

The in-house Data Element Type is specified here i.e. the type of characters that are allowed for the Data Element. This column will contain either an "N" (Numeric digits), "A" (Alpha characters) or "AN" (Alphanumeric characters).

COLUMN 10 - I-LEN

The maximum length of the SARS in-house Data Element is specified here.

COLUMN 11 - Variable column headings

Column 11 and the next few "like" columns, if present, denote whether this SARS in-house Data Element is required for the particular document/document type being described.

LAST COLUMN - REMARKS

At Segment level, this column gives the exact UN/EDIFACT description of the Segment.

At Data Element level, this column gives an explanation of the SARS in-house Data Element and where relevant, any other information or remarks deemed necessary.

6.2. *BRANCHING DIAGRAM*

Each SARS message section contains the structure of the message, represented in a diagram format, called the Branching Diagram. The sequence of each segment is identified by the number which appears underneath each box. Each box contains the segment tag, the status (mandatory or conditional) and the maximum number of repeats allowed within the message. The grouping of segments is represented by boxes placed above the trigger segment of each group. The group number, status and maximum number of repeats are identified within this box.

7. **SARS UN/EDIFACT MESSAGES**

7.1. *CUSDEC (CUSTOMS DECLARATION)*

7.1.1. CUSDEC - OVERVIEW

7.1.1.1. IMPORTS

A CUSDEC (Customs Declaration) message must be received by customs for each declaration. This information will be received centrally at the SARS EDI facility at Head-Office. Once received, the data is automatically translated to ensure the information received conforms to the UN/EDIFACT syntax rules. Once this is established, a CONTRL (Syntax and Service Report) message is sent to the sender of the CUSDEC message, detailing the conformance, or non-conformance of the received CUSDEC message. In the case of non-conformance, the exact error is highlighted. The CONTRL message must be used by the recipient in order to match the information contained therein to the original CUSDEC message. Should an error be reported the recipient is expected to rectify and re-transmit the CUSDEC message.

Once the CUSDEC message has passed translation successfully, it is mapped to the SARS internal file format and passed on to the import system for processing. Once processed, a CUSRES message will be sent back, denoting the status of the declaration.

7.1.1.2. EXPORTS

The CUSDEC message described in the Data Mapping Guide below also includes the mapping specifications for export declarations. The process followed is similar to that of imports described above, although processed by different computer systems.

7.1.2. CUSDEC - DATA MAPPING GUIDE

CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
UNH	**MESSAGE HEADER**	M			1	1						**To head, identify and specify a message.**
												IMP = Imports
												EXP = Exports
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M										
OO65	Message type	M	an..6	CUSDEC	>A					X	X	Type of message being transmitted.
OO52	Message version number	M	an..3	D	>A					X	X	Version number of the message type. If UNG is used, 0052 shall be identical.
OO54	Message release number	M	an..3	96B	>A					X	X	Release number within the current version number.
OO51	Controlling agency	M	an..2	UN	>A					X	X	A code to identify the agency controlling the specification, maintenance and publication of the message type.
OO57	Association assigned code	C	an..6	ZZZ01	>A					X	X	A code assigned by the association responsible for the design and maintenance of the message type (Import declarations).
OO68	COMMON ACCESS REFERENCE	C	an.35									A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C										
OO70	Sequence of transfers	M	n..2									Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1									C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	**BEGINNING OF MESSAGE**	M			1	2						**To indicate the beginning of a message.**
C002	DOCUMENT/MESSAGE NAME	C										
1001	Document/message name, coded	C	an..3	929 = Import	>A							To be used for International Imports and BLNS border posts(imports)
				830 = Export	>A							To be used for International Exports and BLNS border posts (exports)
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
1000	Document/message name	C	an..35									
C106	DOCUMENT/MESSAGE ID	C										

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
1004	Document/message number	C	an..35		>A		LRN (Serial number)	AN	35	X	X	A reference number assigned to the document by the Sender. This field changed to AN35 for Import, Export and Cross-Border to ensure uniqueness. Structure is: Agent Code (N8) Office of entry (AN3) Date of submission (N8) Serial Number (N6)
1056	Version	C	an..9		>A		Version Number	AN	8	X	X	
1060	Revision number	C	an..6		>A		Part Clearance Quantity	N	5	X		Must be entered as total number of declarations for consignment.
1225	MESSAGE FUNCTION, CODED	C	an..3	SARS Code List 9	>A		Transaction Type	AN	3	X	X	
				9 = Original	>A					X	X	
				4 = Change	>A					X	X	
				1 = Cancellation	>A					X	X	
				5 = Replace	>A					X		
4343	RESPONSE TYPE, CODED	C	an..3									
CST	**CUSTOMS STATUS OF GOODS**	**C**			1	3						**To specify goods in terms of customs identities, status and intended use.**
1496	GOODS ITEM NUMBER	C	n..5									
C246	CUSTOMS IDENTITY CODES	C										
7361	Customs code identification	M	an..18		>A		Procedure Category Code (PCC)/Purpose Code	AN	3	X	X	
1131	Code list qualifier	C	an..3	117 = Customs procedure	>A							
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A							
C246	CUSTOMS IDENTITY CODES	C										
7361	Customs code identification	M	an..18									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
C246	CUSTOMS IDENTITY CODES	C										
7361	Customs code identification	M	an..18									
1131	Code list qualifier	C	an..3									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
				CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)								
3055	Code list responsible agency, coded	C	an..3									
C246	CUSTOMS IDENTITY CODES	C										
7361	Customs code identification	M	an..18									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
C246	CUSTOMS IDENTITY CODES	C										
7361	Customs code identification	M	an..18									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
LOC	**PLACE/LOCATION ID**	**C**			**99**	**4**						**To identify a country/place/location/related location.**
3227	PLACE/LOCATION QUALIFIER	M	an..3	14 = Location of goods	>A							
				18 = Warehouse	>B							
				122 = Customs office of destination	>C							
				45 = Customs office of destination	>D							
				35 = Country of exportation/dispatch	>E							
				36 = Country of ultimate destination	>F							
				96 = Place of lodgement of documents	>G							
				9 = Place/port of loading	>H							
C517	LOCATION IDENTIFICATION	C										
3225	Place/location identification	C	an..25	SARS Code List 3	>A		Depot/Terminal Code	AN	2	X	X	
					>B		Ex Warehouse	AN	11	X	X	
					>C		To Warehouse/Consignee	AN	11	X		
				SARS Code List 1	>D		Port of Destination/Exit	AN	3	X	X	
				UN/LOCODE (ISO 3166)	>E		Country of Export	AN	3	X	X	
				UN/LOCODE (ISO 3166)	>F		Country of Destination	AN	3	X	X	
				SARS Code List 1	>G		District Office Code/Office Of Entry	AN	3	X	X	
				UN/LOCODE (ISO 3166)	>H		Transport Document Issued At	AN	5	X	X	
1131	Code list qualifier	C	an..3									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
							CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)					
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A							
				ZZZ = South African Revenue Service	>B							
				ZZZ = South African Revenue Service	>C							
				ZZZ = South African Revenue Service	>D							
				5 = ISO	>E							
				5 = ISO	>F							
				ZZZ = South African Revenue Service	>G							
				5 = ISO	>H							
3224	Place/location	C	an..70									
C519	RELATED LOCATION ONE ID	C										
3223	Related place/location one id	C	an..25									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3222	Related place/location one	C	an..70									
C553	RELATED LOCATION TWO ID	C										
3233	Related place/location two identification	C	an..25									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3232	Related place/location two	C	an..70									
5479	RELATION, CODED	C	an..3									
DTM	**DATE/TIME/PERIOD**	**C**			**15**	**5**						**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M										
2005	Date/time/period qualifier	M	an..3	141 = Presentation date of goods declaration	>A							
				132 = Arrival date/time, estimated	>B							
				178 = Arrival date/time, actual	>C							
2380	Date/time/period	C	an..35		>A		Assessment Date	N	8	X	X	
					>B		Date of Arrival	N	8	X		Estimated date of arrival, inserted as CCYYMMDD.
					>C		Date of Departure/Date of Flight	N	8	X	X	Arrival date of the flight, inserted as CCYYMMDD.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)												
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMDD	>A							
				102 = CCYYMMDD	>B							
				102 = CCYYMMDD	>C							
GIS	**GENERAL INDICATOR**	**C**			**25**	**6**						**To transmit a processing indicator.**
C529	PROCESSING INDICATOR	M										
7365	Processing indicator, coded	M	an..3	SARS Code List 2 SARS Code List 15	>A		Valuation Code	AN	2	X		
				SARS Code List 11	>B		Payment Code	AN	1	X		
					>C		Refund Acknowledgement	AN	1	X		
1131	Code list qualifier	C	an..3	127 = Customs valuation method	>A							
				134 = Duty, tax or fee payment method	>B							
				109 = Customs indicator	>C							
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A							
				ZZZ = South African Revenue Service	>B							
				ZZZ = South African Revenue Service	>C							
7187	Process type identification	C	an..17									
MEA	**MEASUREMENTS**	**C**			**5**	**8**						**To specify physical measurements, including dimension tolerances, weights and counts.**
6311	MEASUREMENT APPLICATION QUALIFIER	M	an..3	AAE = Measurement	>A							
C502	MEASUREMENT DETAILS	C										
6313	Measurement dimension, coded	C	an..3	AAD = Total gross weight	>A							
6321	Measurement significance, coded	C	an..3									
6155	Measurement attribute identification	C	an..17									
6154	Measurement attribute	C	an..70									
C174	VALUE/RANGE	C										
6411	Measure unit qualifier	M	an..3	KGM = Kilogram	>A							
6314	Measurement value	C	n..18		>A		Gross Mass	N	18(2)	X	X	
6162	Range minimum	C	n..18									
6152	Range maximum	C	n..18									
6432	Significant digits	C	n..2									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3									
EQD	EQUIPMENT DETAILS	C			999	9						**To identify a unit of equipment.**
8053	EQUIPMENT QUALIFIER	M	an..3	CN = Container	>A							This segment will occur once for each container specified on the SAD.
C237	EQUIPMENT IDENTIFICATION	C										
8260	Equipment identification number	C	an..17		>A		Container Number	AN	17	X	X	The container number consists of 11 digits of which the first 4 digits represent the alphabetic code and the next 7 digits represent the numeric number of the container. Note that a maximum number of 999 containers can be supplied as this is the limit within UN/EDIFACT.
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3207	Country, coded	C	an..3									
C224	EQUIPMENT SIZE AND TYPE	C										
8155	Equipment size and type identification	C	an..10									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
8154	Equipment size and type	C	an..35		>A		Seal Number 1/Seal Number 2	AN	30	X	X	Insert the 1st seal number within the 1st 15 characters and the 2nd seal number in the following 15 characters, in total utilizing 30 characters. On Imports, only for Cross Border.
8077	EQUIPMENT SUPPLIER, CODED	C	an..3									
8249	EQUIPMENT STATUS, CODED	C	an..3									
8169	FULL/EMPTY INDICATOR, CODED	C	an..3	SARS Code List 12	>A		Container status/Full-Empty Indicator	AN	3	X	X	
				4 = Empty	>A					X	X	
				5 = Full (FCL Groupage)0	>A					X	X	
				7 = Full, mixed consignment (LCL)	>A					X	X	
				8 = Full, single consignment (FCL)	>A					X	X	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)
FTX	**FREE TEXT**	**C**			**99**	**11**						**To provide free form or coded text information.**
4451	TEXT SUBJECT QUALIFIER	M	an..3	LIN = Line item	>A							
4453	TEXT FUNCTION, CODED	C	an..3									
C107	TEXT REFERENCE	C										
4441	Free text identification	M	an..17									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
C108	TEXT LITERAL	C										
4440	Free text	M	an..70		>A		Total Lines	N	4	X	X	
4440	Free text	C	an..70		>A		Credit Terms	AN	3		X	
4440	Free text	C	an..70		>A		VAT Indicator	AN	1	X	X	
4440	Free text	C	an..70	SARS Code List 13	>A		Transaction Bank Code	AN	3		X	
4440	Free text	C	an..70	SARS Code List 18	>A		Change Acknowledgement Indicator	AN	3	X	X	
3453	LANGUAGE, CODED	C	an..3									
	START OF GROUP 1	**C**			**99**							
RFF	**REFERENCE**	**M**			**1**	**12**						**To specify a reference.**
C506	REFERENCE	M										
1153	Reference qualifier	M	an..3	BH = House bill of lading number	>A							
				ABT = Customs declaration number	>B							
				IB = In bond number	>C							
				AAS = Transport document number	>D							
				ABI = Deferred payment reference	>E							
				UCN = Unique Consignment Number	>F							
				ACD = Additional reference number	>G							
				AAV = Enquiry number	>H							
1154	Reference number	C	an..35		>A		House Waybill Number	AN	35	X	X	
					>B		Original MRN	AN	35	X	X	Office Of Entry (AN3) Date (CCYYMMDD) (N8) Number (N7)

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
					>C		Previous Procedure MRN/MRN To Be Replaced	AN	35	X	X	Office Of Entry (AN3) Date (CCYYMMDD) (N8) Number (N7)
					>D		Transport Document Number	AN	35	X	X	
					>E		Financial Account Number/Deferment Number	N	10	X	X	
					>F		UCR (Unique Consignment Reference)	AN	35	X	X	UCR as originally assigned by the Trader.
					>G		Declarant's Internal Reference Number	AN	35	X	X	A unique number assigned by the trader, for use by the trader. SARS will store this number but will not perform any validations on it.
					>H		Case Number	AN	35	X	X	
1156	Line number	C	an..6									
4000	Reference version number	C	an..35									
DTM	**DATE/TIME/PERIOD**	**C**			1	13						**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M										
2005	Date/time/period qualifier	M	an..3	137 = Document/message date/time	>A							
				137 = Document/message date/time	>D							
2380	Date/time/period	C	an..35		>A		House Waybill Date	N	8	X	X	
					>D		Transport Document Date	N	8	X	X	
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMDD	>A							
				102 = CCYYMMDD	>D							
	START OF GROUP 2	**C**			10							
PAC	**PACKAGE**	**M**			1	14						**To describe the number and type of packages/physical units.**
7224	NUMBER OF PACKAGES	C	n..8		>D		No. of Packages	N	8	X	X	
C531	PACKAGING DETAILS	C										
7075	Packaging level, coded	C	an..3									
7233	Packaging related information, coded	C	an..3									
7073	Packaging terms and conditions, coded	C	an..3									
C202	PACKAGE TYPE	C										
7065	Type of packages identification	C	an..17									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)											
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
7064	Type of packages	C	an..35									
C402	PACKAGE TYPE IDENTIFICATION	C										
7077	Item description type, coded	M	an..3									
7064	Type of packages	M	an..35									
7143	Item number type, coded	C	an..3									
7064	Type of packages	C	an..35									
7143	Item number type, coded	C	an..3									
C532	RETURNABLE PACKAGE DETAILS	C										
8395	Returnable package freight payment responsibility, coded	C	an..3									
8393	Returnable package load contents, coded	C	an..3									
	START OF GROUP 3	**C**			**999**							
PCI	**PACKAGE IDENTIFICATION**	**M**			**1**	**15**						**To specify markings and labels on individual packages or physical units.**
4233	MARKING INSTRUCTIONS, CODED	C	an..3									
C210	MARKS & LABELS	C										
7102	Shipping marks	M	an..35		>D		Marks and Numbers - 1	AN	35	X	X	
7102	Shipping marks	C	an..35		>D		Marks and Numbers - 2	AN	35	X	X	
7102	Shipping marks	C	an..35		>D		Marks and Numbers - 3	AN	35	X	X	
7102	Shipping marks	C	an..35		>D		Marks and Numbers - 4	AN	35	X	X	
7102	Shipping marks	C	an..35		>D		Marks and Numbers - 5	AN	35	X	X	
7102	Shipping marks	C	an..35		>D		Marks and Numbers - 6	AN	35	X	X	
7102	Shipping marks	C	an..35		>D		Marks and Numbers - 7	AN	35	X	X	
7102	Shipping marks	C	an..35		>D		Marks and Numbers - 8	AN	35	X	X	
7102	Shipping marks	C	an..35		>D		Marks and Numbers - 9	AN	35	X	X	
7102	Shipping marks	C	an..35		>D		Marks and Numbers - 10	AN	35	X	X	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)
8275	CONTAINER/PACKAGE STATUS	C	an..3									
C827	TYPE OF MARKING	C										
7511	Type of marking, coded	M	an..3									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
	END OF GROUP 3											
	END OF GROUP 2											
	END OF GROUP 1											
	START OF GROUP 4	**C**			**5**							
TDT	**DETAILS OF TRANSPORT**	**M**			**1**	**17**						**To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.**
8051	TRANSPORT STAGE QUALIFIER	M	an..3	20 = Main-carriage transport	>A							
8028	CONVEYANCE REFERENCE NO	C	an..17		>A		Voyage/Flight Number	AN	17	X	X	
C220	MODE OF TRANSPORT	C										
8067	Mode of transport, coded	C	an..3	SARS Code List 10	>A		Transport Code	N	2	X	X	
8066	Mode of transport	C	an..17	SARS Code List 10	>A		Removal Transport Code	N	2	X	X	
C228	TRANSPORT MEANS	C										
8179	Type of means of transport identification	C	an..8									
8178	Type of means of transport	C	an..17									
C040	CARRIER	C										
3127	Carrier identification	C	an..17									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3128	Carrier name	C	an..35									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
	CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)											
8101	TRANSIT DIRECTION, CODED	C	an..3									
C401	EXCESS TRANSPORTATION INFORMATION	C										
8457	Excess transportation reason, coded	M	an..3									
8459	Excess transportation responsibility, coded	M	an..3									
7130	Customer authorization number	C	an..17									
C222	TRANSPORT IDENTIFICATION	C										
8213	Id. of means of transport identification	C	an..9									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
8212	Id. of the means of transport	C	an..35		>A		Transport Name	AN	35	X	X	
8453	Nationality of means of transport, coded	C	an..3									
8281	TRANSPORT OWNERSHIP, CODED	C	an..3									
	END OF GROUP 4											
	START OF GROUP 5	**C**			**999**							
DOC	**DOCUMENT/MSG DETAILS**	**M**			1	19						**To identify documents, either printed, electronically transferred, or referenced as specified in message description, including, where relevant, the identification of the type of transaction that will result from this message.**
C002	DOCUMENT/MESSAGE NAME	M										
1001	Document/message name, coded	C	an..3	380 = Commercial invoice	>A							
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
1000	Document/message name	C	an..35									
C503	DOCUMENT/MESSAGE DETAILS	C										
1004	Document/message number	C	an..35		>A		Invoice Number	AN	35	X		
1373	Document/message status, coded	C	an..3									
1366	Document/message source	C	an..35									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)
3453	Language, coded	C	an..3									
3153	COMMUNICATION CHANNEL IDENTIFIER, CODED	C	an..3									
1220	NUMBER OF COPIES OF DOCUMENT REQUIRED	C	n..2									
1218	NUMBER OF ORIGINALS OF DOCUMENT REQUIRED	C	n..2									
DTM	DATE/TIME/PERIOD	C			2	20						To specify date, and/or time, or period.
C507	DATE/TIME/PERIOD	M										
2005	Date/time/period qualifier	M	an..3	3 = Invoice date	>A							
2380	Date/time/period	C	an..35		>A		Invoice Date	N	8	X		
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMDD	>A							
	END OF GROUP 5											
	START OF GROUP 6	C			10							
NAD	NAME AND ADDRESS	M			1	22						To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 through 3207.
3035	PARTY QUALIFIER	M	an..3	IM = Importer	>A							
				AG = Agent/representative	>B							
				AF = Transit principal	>C							
				SU = Supplier	>D							
				EX = Exporter	>E							
				MS = Message sender	>F							
				BY = Buyer	>G							
				DT = Declarant	>H							
C082	PARTY IDENTIFICATION DETAILS	C										
3039	Party id. identification	M	an..35		>A		Importer Code	N	8	X		
					>B		Agent Code	N	8	X	X	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
					>C		Remover/Transporter Code	N	8	X	X	
					>D		Supplier Code	AN	8	X		
					>E		Exporter Code	N	8		X	
					>F		Message Sender	AN	8	X	X	The Message Sender field will contain the three character code as specified on the DA185.4A6, if it was requested, for cases where dual registrations on the EDI Gateway are required.
					>G		Owner Code	N	8	X		
					>H		Unregistered Trader Identification Number	AN	35	X	X	
1131	Code list qualifier	C	an..3	174 = ID Number (Citizen identification) (Code list 22)	>H		Unregistered Trader Identification Number Qualifier	AN	3	X	X	
				167 = Tax party identification (Code List 22)	>H							
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>H							
C058	NAME AND ADDRESS	C										
3124	Name and address line	M	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
C080	PARTY NAME	C										
3036	Party name	M	an..35		>A		Importer Name	AN	35	X		
					>D		Supplier Name	AN	35	X		
					>E		Exporter Name	AN	35		X	
					>H		Unregistered Trader Name	AN	35	X	X	
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3045	Party name format, coded	C	an..3									
C059	STREET	C										
3042	Street and number/p.o. box	M	an..35		>A		Importer Street Name and Number	AN	35	X		
					>D		Supplier Street Name and Number	AN	35	X		

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
					>E		Exporter Street Name and Number	AN	35		X	
					>H		Unregistered Trader Street Name and Number	AN	35	X	X	
3042	Street and number/p.o. box	C	an..35		>A		Importer Building Name and Floor	AN	35	X		
					>D		Supplier Building Name and Floor	AN	35	X		
					>E		Exporter Building Name and Floor	AN	35		X	
					>H		Unregistered Trader Building Name and Floor	AN	35	X	X	
3042	Street and number/p.o. box	C	an..35		>A		Importer Suburb	AN	35	X		
					>D		Supplier Suburb	AN	35	X		
					>E		Exporter Suburb	AN	35		X	
					>H		Unregistered Trader Suburb	AN	35	X	X	
3042	Street and number/p.o. box	C	an..35									
3164	CITY NAME	C	an..35		>A		Importer City/Town	AN	35	X		
					>D		Supplier City/Town	AN	35	X		
					>E		Exporter City/Town	AN	35		X	
					>H		Unregistered Trader City/Town	AN	35	X	X	
3229	COUNTRY SUB-ENTITY ID	C	an..9									
3251	POSTCODE IDENTIFICATION	C	an..9		>A		Importer Street Code	AN	9	X		
					>D		Supplier Street Code	AN	9	X		
					>E		Exporter Street Code	AN	9		X	
					>H		Unregistered Trader Street Code	AN	9	X	X	
3207	COUNTRY, CODED	C	an..3									
RFF	REFERENCE	C			10	23						To specify a reference.
C506	REFERENCE	M										
1153	Reference qualifier	M	an..3	VA = VAT registration number	>A							
				VA = VAT registration number	>E							
1154	Reference number	C	an..35		>A		VAT Reg. No	N	10	X		

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
					>E		VAT Reg. No	N	10		X	
1156	Line number	C	an..6									
4000	Reference version number	C	an..35									
	END OF GROUP 6											
UNS	**SECTION CONTROL**	M			1	32						**To separate Header, Detail and Summary sections of a message.**
OO81	SECTION IDENTIFICATION	M	a1	D = Separates the header and detail sections	>A					X	X	Separates sections in a message by one of the following codes : D separates the header and detail sections and S separates the detail and summary sections.
	START OF GROUP 30	C			9999							
CST	**CUSTOMS STATUS OF GOODS**	M			1	92						**To specify goods in terms of customs identities, status and intended use.**
1496	GOODS ITEM NUMBER	C	n..5		>A		Line number	N	4	X	X	
C246	CUSTOMS IDENTITY CODES	C										
7361	Customs code identification	M	an..18	Use codes specified in the schedules to the Customs and Excise act	>A		Tariff Code	N	9	X	X	
1131	Code list qualifier	C	an..3	108 = Tariff schedule	>A							
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A							
C246	CUSTOMS IDENTITY CODES	C										
7361	Customs code identification	M	an..18	SARS Code List 7	>A		Preference Code	AN	3	X	X	
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
C246	CUSTOMS IDENTITY CODES	C										
7361	Customs code identification	M	an..18		>A		Trade Agreement	AN	11	X		
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
C246	CUSTOMS IDENTITY CODES	C										
7361	Customs code identification	M	an..18									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
						CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)						
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
C246	CUSTOMS IDENTITY CODES	C										
7361	Customs code identification	M	an..18									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
FTX	**FREE TEXT**	**C**			**9**	**93**						**To provide free form or coded text information.**
4451	TEXT SUBJECT QUALIFIER	M	an..3	AAA = Goods description	>A							
				ACB = Additional information	>B							
				AAI = General information	>C							
				CCI = Customs clearance instructions	>D							
4453	TEXT FUNCTION, CODED	C	an..3									
C107	TEXT REFERENCE	C										
4441	Free text identification	M	an..17									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
C108	TEXT LITERAL	C										
4440	Free text	M	an..70		>A		Description of Goods - 1	AN	70	X	X	
				SARS Code List 19	>B		Additional Information Code/Value - 1	AN	35	X	X	The Additional Information Code (A3) and Value (AN32) have been combined into one free text field. For details on these fields, please refer to the SAD manual.
				SARS Code List 19	>C		Additional Information Code/Value - 6	AN	35	X	X	
					>D		Requested Procedure	N	2	X	X	
4440	Free text	C	an..70		>A		Description of Goods - 2	AN	70	X	X	
				SARS Code List 19	>B		Additional Information Code/Value - 2	AN	35	X	X	See remarks for Additional information code/value -1.
				SARS Code List 19	>C		Additional Information Code/Value - 7	AN	35	X	X	See remarks for Additional information code/value -1.
					>D		Previous Procedure	N	2	X	X	
4440	Free text	C	an..70		>A		Description of Goods - 3	AN	70	X	X	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
				SARS Code List 19	>B		Additional Information Code/Value - 3	AN	35	X	X	See remarks for Additional information code/value -1.
				SARS Code List 19	>C		Additional Information Code/Value - 8	AN	35	X	X	See remarks for Additional information code/value -1.
					>D		Procedure Measure	N	11	X	X	
4440	Free text	C	an..70		>A		Description of Goods - 4	AN	70	X	X	
				SARS Code List 19	>B		Additional Information Code/Value - 4	AN	35	X	X	See remarks for Additional information code/value -1.
				SARS Code List 19	>C		Additional Information Code/Value - 9	AN	35	X	X	See remarks for Additional information code/value -1.
4440	Free text	C	an..70		>A		Description of Goods - 5	AN	70	X	X	
				SARS Code List 19	>B		Additional Information Code/Value - 5	AN	35	X	X	See remarks for Additional information code/value -1.
				SARS Code List 19	>C		Additional Information Code/Value - 10	AN	35	X	X	See remarks for Additional information code/value -1.
				SARS Code List 17	>D		To Be Coded	N	1		X	
				1 = Take up in trade statistics	>D						X	
				2 = Do not take up in trade statistics	>D						X	
3453	LANGUAGE, CODED	C	an..3									
LOC	**PLACE/LOCATION ID**	**C**			**25**	**94**						**To identify a country/place/location/related location.**
3227	PLACE/LOCATION QUALIFIER	M	an..3	27 = Country of origin	>A							
C517	LOCATION IDENTIFICATION	C										
3225	Place/location identification	C	an..25	UN/LOCODE (ISO 3166)	>A		Country of Origin	AN	3	X	X	
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3224	Place/location	C	an..70									
C519	RELATED LOCATION ONE IDENTIFICATION	C										
3223	Related place/location one identification	C	an..25									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3222	Related place/location one	C	an..70									
C553	RELATED LOCATION TWO IDENTIFICATION	C										
3233	Related place/location two identification	C	an..25									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
	CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)											
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3232	Related place/location two	C	an..70									
5479	RELATION, CODED	C	an..3									
MEA	**MEASUREMENTS**	**C**			20	96						**To specify physical measurements, including dimension tolerances, weights and counts.**
6311	MEASUREMENT APPLICATION QUALIFIER	M	an..3	AAR = 1st Specified tariff quantity	>A							
				AAS = 2nd Specified tariff quantity	>B							
				AAT = 3rd Specified tariff quantity	>C							
				AAF = Customs line item measurement	>D							
C502	MEASUREMENT DETAILS	C										
6313	Measurement dimension, coded	C	an..3									
6321	Measurement significance, coded	C	an..3									
6155	Measurement attribute identification	C	an..17									
6154	Measurement attribute	C	an..70									
C174	VALUE/RANGE	C										
6411	Measure unit qualifier	M	an..3	SARS Code List 5	>A		Code - 1	AN	2	X	X	
				SARS Code List 5	>B		Code - 2	AN	2	X	X	
				SARS Code List 5	>C		Code - 3	AN	2	X	X	
				SARS Code List 6	>D		Code - 4	AN	2	X	X	
6314	Measurement value	C	an..18		>A		Quantity - 1	N	11(2)	X	X	
					>B		Quantity - 2	N	11(2)	X	X	
					>C		Quantity - 3	N	11(2)	X	X	
					>D		Quantity - 4	N	8	X	X	No decimals.
6162	Range minimum	C	n..18									
6152	Range maximum	C	n..18									
6432	Significant digits	C	n..2									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3									
NAD	NAME AND ADDRESS	C			5	97						To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 through 3207.
3035	PARTY QUALIFIER	M	an..3	WH = Warehouse keeper	>A							
C082	PARTY IDENTIFICATION DETAILS	C										
3039	Party id. identification	M	an..35		>A		Processing Party (Rebate Registrant)	N	8	X		
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
C058	NAME AND ADDRESS	C										
3124	Name and address line	M	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
C080	PARTY NAME	C										
3036	Party name	M	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3045	Party name format, coded	C	an..3									
C059	STREET	C										
3042	Street and number/p.o. box	M	an..35									
3042	Street and number/p.o. box	C	an..35									
3042	Street and number/p.o. box	C	an..35									
3042	Street and number/p.o. box	C	an..35									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
	CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)											
3164	CITY NAME	C	an..35									
3229	COUNTRY SUB-ENTITY ID	C	an..9									
3251	POSTCODE IDENTIFICATION	C	an..9									
3207	COUNTRY, CODED	C	an..3									
	START OF GROUP 33	C			25							
MOA	MONETARY AMOUNT	M			1	102						**To specify a monetary amount.**
C516	MONETARY AMOUNT	M										
5025	Monetary amount type qualifier	M	an..3	38 = Invoice item amount	>A							
				40 = Customs value	>B							
5004	Monetary amount	C	n..18		>A		Actual Price	N	12(2)	X		
					>B		Customs Value/Export Value	N	12(2)	X	X	
6345	Currency, coded	C	an..3									
6343	Currency qualifier	C	an..3									
4405	Status, coded	C	an..3									
	END OF GROUP 33											
	START OF GROUP 35	C			999							
RFF	REFERENCE	M			1	105						**To specify a reference.**
C506	REFERENCE	M										
1153	Reference qualifier	M	an..3	WE = Warehouse entry number	>A							
1154	Reference number	C	an..35		>A		Previous Procedure MRN	AN	35	X	X	Previous Procedure MRN, specified at Line Level for Warehouse etc. particulars. Office Of Entry (AN3) Date (CCYYMMDD) (N8) Number (N7)
1156	Line number	C	an..6		>A		Warehousing MRN line number	N	4	X	X	
4000	Reference version number	C	an..35									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)												
	END OF GROUP 35											
	START OF GROUP 41	C			10							
TAX	**DUTY/TAX/FEE DETAILS**	M			1	124						**To specify relevant duty/tax/fee information**
5283	DUTY/TAX/FEE FUNCTION QUALIFIER	M	an..3	1 = Individual duty, tax or fee	>A THRU >X							This segment group may repeat a maximum of 10 times.
C241	DUTY/TAX/FEE TYPE	C										
5153	Duty/tax/fee type, coded	C	an..2	1P1 = Schedule 1.1 Amount	>A		Duty/Tax/Fee Qualifier	AN	3	X		
				12A = Schedule 1.2A Amount	>B					X		
				12B = Schedule 1.2A Amount	>C					X		
				13A = Schedule 1.3A Amount	>D					X		
				13B = Schedule 1.3B Amount	>E					X		
				13C = Schedule 1.3C Amount	>F					X		
				13D = Schedule 1.3D Amount	>G					X		
				15A = Schedule 1.5A Amount	>H					X		
				15B = Schedule 1.5B Amount	>I					X		
				1P8 = Schedule 1.8 Amount	>J					X		
				2P1 = Schedule 2.1 Amount	>K					X		
				2P2 = Schedule 2.2 Amount	>L					X		
				2P3 = Schedule 2.3 Amount	>M					X		
				VAT = Value added tax	>N					X	X	Use for Cross Border as well.
				SUR = Amount for Surety	>O					X	X	Use for Cross Border as well.
				PEN = Amount for Penalty	>P					X	X	Use for Cross Border as well.
				FOR = Amount for Forfeiture	>Q					X	X	Use for Cross Border as well.
				DLA = Amount for Diamond Export Levy	>R						X	Use for Cross Border as well.
				PPA = Anti Dumping duty	**>S**					**X**		
				PPC = Countervailing duty	**>T**					**X**		
				PPG = Safeguard duty	**>U**					**X**		
				PPT = Temporary Import	**>V**					**X**		
				PPR = Conditional Release	**>W**					**X**		
				PPE = Embargo Release	**>X**					**X**		

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
	CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)											
1131	Code list qualifier	C	an..3	107 = Excise duty	>A THRU >X							
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A THRU >X							
5152	Duty/tax/fee type	C	an..35									
C533	DUTY/TAX/FEE ACCOUNT DETAIL	C										
5289	Duty/tax/fee account identification	M	an..6									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
5286	DUTY/TAX/FEE ASSESSMENT BASIS	C	an..15									
C243	DUTY/TAX/FEE DETAIL	C										
5279	Duty/tax/fee rate identification	C	an..7									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
5278	Duty/tax/fee rate	C	an..17									
5273	Duty/tax/fee rate basis identification	C	an..12									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
5305	DUTY/TAX/FEE CATEGORY, CODED	C	an..3									
3446	PARTY TAX IDENTIFICATION NUMBER	C	an..20									
MOA	**MONETARY AMOUNT**	**C**			**2**	**125**						**To specify a monetary amount.**
C516	MONETARY AMOUNT	M										
5025	Monetary amount type qualifier	M	an..3	161 = Duty, tax or fee amount	>A THRU >X							
5004	Monetary amount	C	n..18		>A THRU >X		Duty/Tax/Fee	N	12(2)	X	X	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
	CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)											
6345	Currency, coded	C	an..3									
6343	Currency qualifier	C	an..3									
4405	Status, coded	C	an..3									
	END OF GROUP 41											
	END OF GROUP 30											
UNS	**SECTION CONTROL**	M			1	144						**To separate Header, Detail and Summary sections of a message.**
OO81	SECTION IDENTIFICATION	M	a1	S = Separates the detail and summary sections	>A					X	X	Separates sections in a message by one of the following codes : D separates the header and detail sections and S separates the detail and summary sections.
	START OF GROUP 49	C			50							
TAX	**DUTY/TAX/FEE DETAILS**	M			1	146						**To specify relevant duty/tax/fee information**
5283	DUTY/TAX/FEE FUNCTION QUALIFIER	M	an..3	3 = Total of each duty, tax, or fee	>A THRU >N							
C241	DUTY/TAX/FEE TYPE	C										
5153	Duty/tax/fee type, coded	C	an..3	CIF = CIF&C Value	>A							
				TRN = Transaction Value	>B							
				TDD =Total Duties Due	>C							
				TVD = Total VAT Due	>D							
				AOP = Amount overpaid	>E							
				AUP = Amount underpaid	>F							
				CUS = Customs value	>G							
1131	Code list qualifier	C	an..3	107 = Excise duty	>A THRU >G							
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A THRU >G							
5152	Duty/tax/fee type	C	an..35									
C533	DUTY/TAX/FEE ACCOUNT DETAIL	C										
5289	Duty/tax/fee account identification	M	an..6									
1131	Code list qualifier	C	an..3									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
	CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)											
3055	Code list responsible agency, coded	C	an..3									
5286	DUTY/TAX/FEE ASSESSMENT BASIS	C	an..15									
C243	DUTY/TAX/FEE DETAIL	C										
5279	Duty/tax/fee rate identification	C	an..7									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
5278	Duty/tax/fee rate	C	an..17									
5273	Duty/tax/fee rate basis identification	C	an..12									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
5305	DUTY/TAX/FEE CATEGORY, CODED	C	an..3									
3446	PARTY TAX IDENTIFICATION NUMBER	C	an..20									
MOA	**MONETARY AMOUNT**	**C**			**2**	**147**						**To specify a monetary amount.**
C516	MONETARY AMOUNT	M										
5025	Monetary amount type qualifier	M	an..3	161 = Duty, tax or fee amount	>A THRU >F					X	X	
5004	Monetary amount	C	n..18		>A		CIF&C	N	12	X		Cost, Insurance, Freight and Commission.
					>B		Transaction Value	N	12		X	
					>C		Total Duties Due	N	12	X		
					>D		Total VAT Due	N	12	X		
					>E		Amount overpaid on previous excise account	N	12	X		Only for Excise
					>F		Amount underpaid on previous excise account	N	12	X		Only for Excise
					>G		Customs value	N	12	X	X	Total Customs Value
6345	Currency, coded	C	an..3	SARS Code List 8	>B		Transaction Value Currency Code	AN	3		X	
6343	Currency qualifier	C	an..3									
4405	Status, coded	C	an..3									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	REMARKS
				CUSDEC (D96B) DATA MAPPING GUIDE (V25 – 2015/09/01)								
	END OF GROUP 49											
UNT	**MESSAGE TRAILER**	**M**			**1**							**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN THE MESSAGE	M	n..6		>A					X	X	Control count including UNH and UNT.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	Shall be identical to 0062 in UNH.
	END OF CUSDEC MESSAGE											

7.1.3.   CUSDEC - BRANCHING DIAGRAM

Level

```
        ┌─────┐  ┌─────┐  ┌─────┐                                                          ┌─────┐                              ┌─────┐    ┌─────┐
        │ UNH │  │ BGM │  │ CST │                                                          │ UNS │                              │ UNS │    │ UNT │
  0     ├──┬──┤  ├──┬──┤  ├──┬──┤                                                          ├──┬──┤                              ├──┬──┤    ├──┬──┤
        │M │ 1│  │M │ 1│  │C │ 1│                                                          │M │ 1│                              │M │ 1│    │M │ 1│
        └──┴──┘  └──┴──┘  └──┴──┘                                                          └──┴──┘                              └──┴──┘    └──┴──┘
          1        2        3                                                               32                                  144        151
```


- **Level 0:** UNH (M 1) #1, BGM (M 1) #2, CST (C 1) #3, UNS (M 1) #32, UNS (M 1) #144, UNT (M 1) #151
- **Gr. 1:** C 99 — RFF (M 1) #12
- **Level 1:** LOC (C 99) #4, DTM (C 15) #5, GIS (C 25) #6, MEA (C 5) #8, EQD (C 999) #9, FTX (C 99) #11
- **Gr. 4:** C 5 — TDT (M 1) #17
- **Gr. 5:** C 999 — DOC (M 1) #19
- **Gr. 6:** C 10 — NAD (M 1) #22
- **Gr. 30:** C 9999 — CST (M 1) #92
- **Gr.49:** C 50 — TAX (M 1) #146
- **Gr. 2:** C 10 — PAC (M 1) #14
- **Level 2:** DTM (C 1) #13, DTM (C 2) #20, RFF (C 2) #23, FTX (C 9) #93, LOC (C 25) #94, MEA (C 20) #96, NAD (C 5) #97, MOA (C 2) #147
- **Gr.33:** C 25 — MOA (M 1) #102
- **Gr.35:** C 999 — RFF (M 1) #105
- **Gr.41:** C 10 — TAX (M 1) #124
- **Gr. 3:** C 999 — PCI (M 1) #15
- **Level 4:** MOA (C 2) #125

7.1.4.   CUSDEC – DATA MODEL

```
                              ┌─────────────┐   BGM, CST, LOC,  DTM, GIS,
                              │ Declaration │   MEA, FTX, Grp1 (RFF, DTM,
                              │   Header    │   Grp2 (PAC), Grp3 (PCI)) , Grp4
                              └─────────────┘   (TDT), Grp6 (NAD, RFF)

   ┌───────────┐   ┌───────────┐   ┌───────────┐   ┌───────────┐
   │ Container │   │  Invoice  │   │   Line    │   │   Total   │
   │  Details  │   │  Details  │   │  Details  │   │  Details  │
   └───────────┘   └───────────┘   └───────────┘   └───────────┘

    EQD          Grp5 (DOC, DTM)   Grp30(CST, FTX, LOC, MEA,   Grp49(TAX, MOA)
                                   NAD,  Grp33(MOA), Grp35
                                   (RFF), Grp41 (TAX, MOA))
```

7.1.5. CUSDEC – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
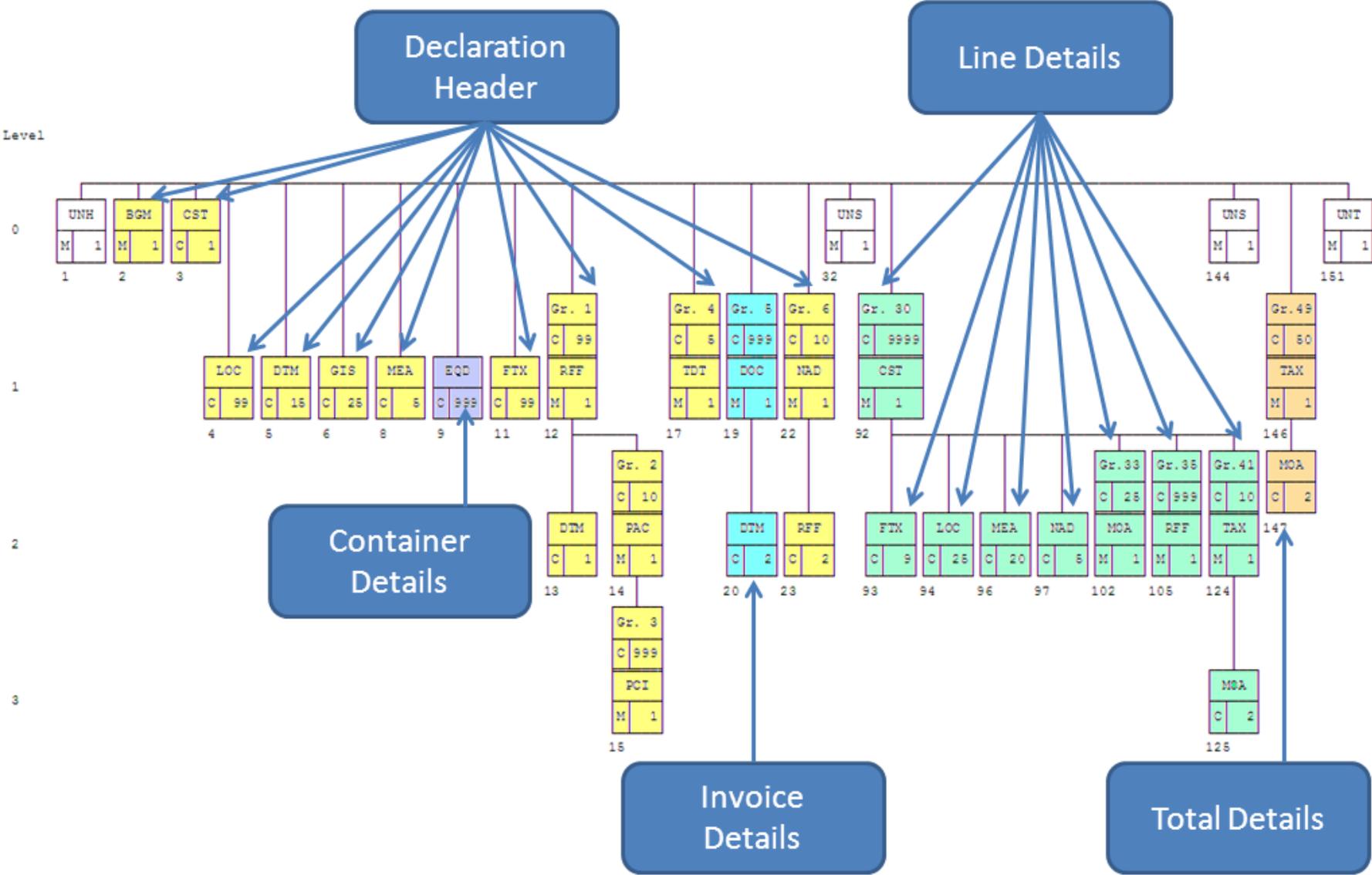
7.1.6. CUSDEC - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed import EDI CUSDEC interchange file. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+AGENT+SARSDEC+20150709:0850+00000000018995+ AAAAAAAAAAAAAA:BB+CUSDEC++1+12345678XYZ'
Message Header	UNH+00000000155033+CUSDEC:D:96B:UN:ZZZ01'
Header Data	BGM+929+12345678DBN20111229654321::00001+9' CST++A:117:ZZZ' LOC+14+08::ZZZ' LOC+35+CN::5' LOC+36+ZA::5' LOC+96+DBN::ZZZ' LOC+9+CNSHA::5' DTM+132:20140104:102' GIS+N:127:ZZZ' GIS+D:134:ZZZ' MEA+AAE+AAD+KGM: 5000'
Container Details **(Occurrence 1)**	EQD+CN+BMOU4180345++++8'
Container Details **(Occurrence 2)**	EQD+CN+MSKU9038511++++8'
Header Data Continued	FTX+LIN+++0002::Y' RFF+BH:00518675SHIP11120160' DTM+137:20131216:102' RFF+AAS:SHIPAAAAA1234' DTM+137:20131216:102' RFF+ABI:1111111' RFF+ACD:MYREF1' PAC+2' PCI++2 X 12M FCL CONTAINERS?:' PCI++STC.?: 132 PACKAGES' TDT+20+1234+01+++++:::CODE SHIP'
Header Data Continued	NAD+IM+87654321+ACME INC:1 FIRST STREET:PAROW EAST' RFF+VA:4600000001' NAD+AG+43218765+ABC CLEARING ' NAD+MS+XYZ'
Detail Section Separator	UNS+D'

Detail Line Document Details **(Group 30 occurrence 1)**	CST+0001+940161009:108:ZZZ' FTX+AAA+++SEATS (EXCLUDING THOSE OF HEADING 94.02), WHETHER OR NOT CONVERTIBLE I:NTO BEDS, AND PARTS THEREOF?:OTHER SEATS, WITH WOODEN FRAMES?:UPHOLSTERE:D (LEFT SIDE FACING ARM SOFA)' FTX+ACB+++NUIN' FTX+CCI+++11:00' LOC+27+CN' MEA+AAR++NO:33' MOA+38:36449' MOA+40:36449' TAX+1+1P1:107:ZZZ' MOA+161:7289.80' TAX+1+VAT:107:ZZZ' MOA+161:6633.76'
Detail Line Document Details **(Group 30 occurrence 2)**	CST+0002+940161009:108:ZZZ' FTX+AAA+++SEATS (EXCLUDING THOSE OF HEADING 94.02), WHETHER OR NOT CONVERTIBLE I:NTO BEDS, AND PARTS THEREOF?:OTHER SEATS, WITH WOODEN FRAMES?:UPHOLSTERE:D (RIGHT SIDE FACING ARM CHAISE)' FTX+ACB+++NUIN' FTX+CCI+++11:00' LOC+27+CN' MEA+AAR++NO:00000033.00' MOA+38:33906' MOA+40:33906' TAX+1+1P1:107:ZZZ' MOA+161:6781.20' TAX+1+VAT:107:ZZZ' MOA+161:6170.92'
Summary Section Separator	UNS+S'
Summary Section	TAX+3+CIF:107:ZZZ' MOA+161:169822'
Message Trailer	UNT+62+00000000155033'
Interchange Trailer	UNZ+1+00000000018995'

7.2. *CUSRES (CUSTOMS RESPONSE)*

7.2.1. CUSRES - OVERVIEW

CUSRES - USED IN CONJUNCTION WITH CUSDEC (IMPORTS/EXPORTS)

Once the CUSDEC message has passed translation successfully, it is mapped to the internal file format and passed on to the import / export system. There are various instances where a CUSRES (Customs Response) message could be created. These are:

- A CUSRES is generated denoting the status of the received CUSDEC, i.e. whether it was successfully received and accepted by the import / export system.
- Should a duplicate CUSDEC be received, i.e. containing a duplicate LRN, the declaration will not be processed and the situation will be reported via a CUSRES message.
- If the data received via the CUSDEC is in error, a response will be generated, specifying exactly what the error is.
- Should a declaration be selected by the system for further checking, a CUSRES will be generated notifying the client that the entry was referred to the checking section.
- Should the declaration be selected for checking a CUSRES will be generated requesting all documentation to be sent electronically via E@syDoc web service.
- Should the declaration not be deferred (i.e. cash payment required), a response will be generated specifying that the declaration is ready for cash payment.
- Once the final number is assigned to the declaration, a response is generated, specifying that the declaration is released. The final number is transmitted with this CUSRES.
- Additional status messages are sent as Supporting Documents are received, for Booking Confirmation and reminder if Supporting Documents not received within 24 hours

These responses are automatically created by the import /export system, sent to the SARS EDI facility where it is automatically translated into CUSRES messages and sent to the client. When the CUSRES message is received by the client it must be matched up with the original declaration to determine the status of that entry.

Any additional response details regarding the declaration will be sent as part of "Error text" within the CUSRES message.

CUSRES - USED IN CONJUNCTION WITH SANCRT

The Issuing Authority will submit permits electronically to SARS as soon as they have been issued. The Issuing Authority will receive a confirmation from SARS on every permit that is sent as soon as it has been validated. This could take the form of a positive or a negative acknowledgement and will be transmitted in the UN/EDIFACT CUSRES format. The Issuing Authority will only issue the permit to the importer once a positive acknowledgement is received from SARS. In the case of a negative acknowledgement, SARS will not update the permit on its database and such permit must be rectified and resubmitted by the Issuing Authority.

SARS will also submit an electronic notification on the usage of the permit for each declaration to the Issuing Authority as soon as possible, or in a batch mode after business hours, after the declaration has been released. The notification of usage will be sent according to the UN/EDIFACT CUSRES message format.

CUSRES - USED FOR RELEASE INFORMATION TO RELEASE AUTHORITIES

The CUSRES message is also sent to Release Authorities such as depots, terminals, transit sheds, off-airport de-grouping facilities etc. for the purpose of releasing consignments under their control.

CUSRES - USED IN CONJUNCTION WITH OTHER MESSAGE TYPES

For most UN/EDIFACT messages received by SARS, SARS will respond with a CUSRES message. This message will detail the status of the received message, i.e. whether it was accepted by the SARS system, whether it was a duplicate, contained errors, released etc. The Client will be updated on the status of the message until that transaction is finalised, i.e. to the point where no further input is required by the Client. CUSRES messages are sent for the following message types:
- CALINF
- CUSCAR
- COSTCO
- COARRI
- CODECO
- REQDOC

CUSRES – ADDITIONAL REJECTION MESSAGE
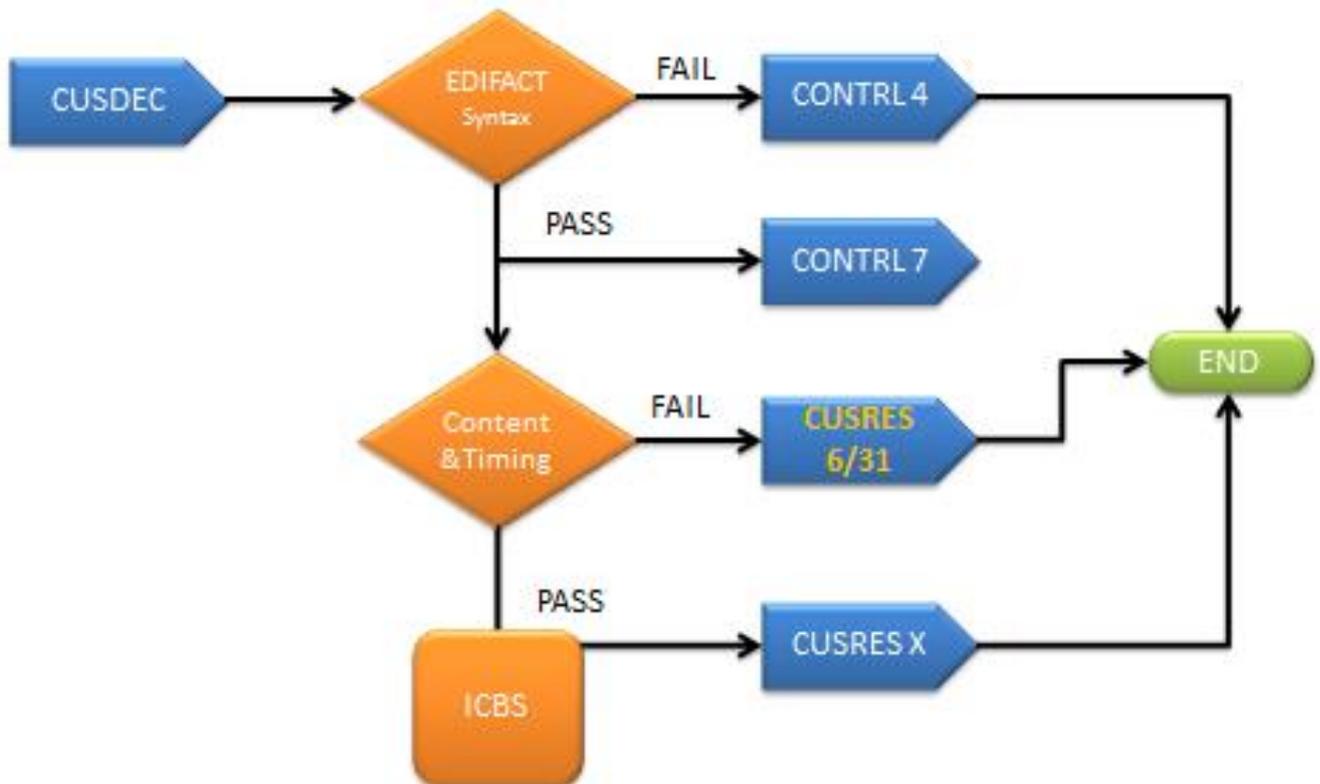
7.2.2. CUSRES - DATA MAPPING GUIDE

						TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	
CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)														
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME								REMARKS
UNH	**MESSAGE HEADER**	**M**			1									**To head, identify and specify a message.**
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A				X	X	X	X	X	X	A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M												
OO65	Message type	M	an..6	CUSRES	>A				X	X	X	X	X	X	Type of message being transmitted.
OO52	Message version number	M	an..3	D	>A				X	X	X	X	X	X	Version number of the message type. If UNG is used, 0052 shall be identical.
OO54	Message release number	M	an..3	96B	>A				X	X	X	X	X	X	Release number within the current version number.
OO51	Controlling agency	M	an..2	UN	>A				X	X	X	X	X	X	A code to identify the agency controlling the specification, maintenance and publication of the message type.
OO57	Association assigned code	C	an..6	ZZZ01	>A				X	X	X	X	X	X	A code assigned by the association responsible for the design and maintenance of the message type.
OO68	COMMON ACCESS REFERENCE	C	an.35												A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C												
OO70	Sequence of transfers	M	n..2												Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1												C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	**BEGINNING OF MESSAGE**	**M**			1									**To indicate the beginning of a message.**
C002	DOCUMENT/MESSAGE NAME	C												
1001	Document/message name, coded	C	an..3	962 = Document response	>A				X	X	X	X	X	X	
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
1000	Document/message name	C	an..35												
C106	DOCUMENT/MESSAGE ID	C												

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
1004	Document/message number	C	an..35		>A	LRN (Serial number)	AN	35	X	X	X	X	X	X	A reference number assigned to the document by the Sender, the structure is: Agent Code (N8) Office of submission (AN3) Date of submission (N8) Serial Number (N6)
1056	Version	C	an..9		>A	Version Number	AN	8	X	X					
1060	Revision number	C	an..6												
1225	MESSAGE FUNCTION, CODED	C	an..3												
4343	RESPONSE TYPE, CODED	C	an..3												
DTM	**DATE/TIME/PERIOD**	**C**			**9**										**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M													
2005	Date/time/period qualifier	M	an..3	132 = Arrival date/time, estimated	>A				X	X	X	X	X		
				178 = Arrival date/time, actual	>B				X	X	X	X	X		
				202 = Posting date	**>C**				X	X					
2380	Date/time/period	C	an..35		>A	Date of Arrival	N	8	X	X	X	X	X		
					>B	Date of Departure/Date of Flight	N	8	X	X	X	X	X		
					>C	Accounting Date	N	8	X	X					
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMDD	>A				X	X	X	X	X		
				102 = CCYYMMDD	>B				X	X	X	X	X		
				102 = CCYYMMDD	>C				X	X					
TDT	**DETAILS OF TRANSPORT**	**C**			**9**										**To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.**
8051	TRANSPORT STAGE QUALIFIER	M	an..3	20 = Main-carriage transport	>A						X	X	X	X	X	
8028	CONVEYANCE REFERENCE NO	C	an..17		>A	Voyage/flight Number	AN	17	X	X	X	X	X		

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)
C220	MODE OF TRANSPORT	C													
8067	Mode of transport, coded	C	an..3	SARS Code List 10	>A	Transport Code	N	2	X	X	X	X	X		
8066	Mode of transport	C	an..17												
C228	TRANSPORT MEANS	C													
8179	Type of means of transport identification	C	an..8												
8178	Type of means of transport	C	an..17												
C040	CARRIER	C													
3127	Carrier identification	C	an..17												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
3128	Carrier name	C	an..35												
8101	TRANSIT DIRECTION, CODED	C	an..3												
C401	EXCESS TRANSPORTATION INFORMATION	C													
8457	Excess transportation reason, coded	M	an..3												
8459	Excess transportation responsibility, coded	M	an..3												
7130	Customer authorization number	C	an..17												
C222	TRANSPORT IDENTIFICATION	C													
8213	Id. of means of transport identification	C	an..9												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
8212	Id. of the means of transport	C	an..35		>A	Transport Name	AN	35	X	X	X	X	X		
8453	Nationality of means of transport, coded	C	an..3												

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
				CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)											
8281	TRANSPORT OWNERSHIP, CODED	C	an..3												
LOC	**PLACE/LOCATION ID**	**C**			99										**To identify a country/place/location/related location.**
3227	PLACE/LOCATION QUALIFIER	M	an..3	22 = Customs office of clearance	>A				X	X					
				14 = Location of goods	>B				X	X					
C517	LOCATION IDENTIFICATION	C													
3225	Place/location identification	C	an..25	SARS Code List 1	>A	District Office Code	AN	3	X	X					
				SARS Code List 3	>B	Depot/Terminal Code	AN	2	X	X					
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A				X	X					
				ZZZ = South African Revenue Service	>B				X	X					
3224	Place/location	C	an..70												
C519	RELATED LOCATION ONE ID	C													
3223	Related place/location one id	C	an..25												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
3222	Related place/location one	C	an..70												
C553	RELATED LOCATION TWO IDENTIFICATION	C													
3233	Related place/location two identification	C	an..25												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
3232	Related place/location two	C	an..70												
5479	RELATION, CODED	C	an..3												

							TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	
EDI ID	**EDI DATA ELEMENT/SEG NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**DATA ELEMENT NAME**									**REMARKS**
GIS	**GENERAL INDICATOR**	**C**			**9**										**To transmit a processing indicator.**
C529	PROCESSING INDICATOR	M													
7365	Processing indicator, coded	M	an..3	SARS Code List 14	>A	Customs Status	AN	3	X	X	X	X	X	X	The status for the relevant electronic document.
1131	Code list qualifier	C	an..3	120 = Customs status of goods	>A				X	X	X	X	X	X	
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A				X	X	X	X	X	X	
7187	Process type identification	C	an..17		>A	Print Indicator	AN	1	X	X					This indicator will be set to either "Y" (Yes) or "N" (No), depicting whether a SARS printed release notification is required for release purposes or not. This indicator was introduced during the Paperless Release Initiative to notify the Release Authority whether a Customs printed Release Notification must be expected or not.
EQD	**EQUIPMENT DETAILS**	**C**			**999**										**To identify a unit of equipment.**
8053	EQUIPMENT QUALIFIER	M	an..3	CN = Container	>A				X	X					
C237	EQUIPMENT IDENTIFICATION	C													
8260	Equipment identification number	C	an..17		>A	Container Number	AN	17	X	X					
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
3207	Country, coded	C	an..3												
C224	EQUIPMENT SIZE AND TYPE	C													
8155	Equipment size and type identification	C	an..10												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
8154	Equipment size and type	C	an..35												
8077	EQUIPMENT SUPPLIER, CODED	C	an..3												
8249	EQUIPMENT STATUS, CODED	C	an..3												
8169	FULL/EMPTY INDICATOR, CODED	C	an..3												

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EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
	CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)														
	START OF GROUP 1	C			9										
NAD	NAME AND ADDRESS	M			1										To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 through 3207.
3035	PARTY QUALIFIER	M	an..3	AG = Agent/representative	>A				X	X					
C082	PARTY IDENTIFICATION DETAILS	C													
3039	Party id. identification	M	an..35		>A	Agent Code	N	8	X	X					
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
C058	NAME AND ADDRESS	C													
3124	Name and address line	M	an..35												
3124	Name and address line	C	an..35												
3124	Name and address line	C	an..35												
3124	Name and address line	C	an..35												
3124	Name and address line	C	an..35												
C080	PARTY NAME	C													
3036	Party name	M	an..35												
3036	Party name	C	an..35												
3036	Party name	C	an..35												
3036	Party name	C	an..35												
3036	Party name	C	an..35												
3045	Party name format, coded	C	an..3												
C059	STREET	C													
3042	Street and number/p.o. box	M	an..35												
3042	Street and number/p.o. box	C	an..35												
3042	Street and number/p.o. box	C	an..35												

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)
3042	Street and number/p.o. box	C	an..35												
3164	CITY NAME	C	an..35												
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9												
3251	POSTCODE IDENTIFICATION	C	an..9												
3207	COUNTRY, CODED	C	an..3												
	END OF GROUP 1														
	START OF GROUP 3	**C**			999										
RFF	**REFERENCE**	**M**			1										**To specify a reference.**
C506	REFERENCE	M													
1153	Reference qualifier	M	an..3	BH = House bill of lading number	>A				X	X					
				AAS = Transport document number	>B				X	X					
				ABT = Customs declaration number	>C				X	X					
				UCN = Unique Consignment Number	>D					X					
				ACD = Additional reference number	>E				X	X					
				AAV = Enquiry number	>F				X	X					
				ADE = Account number	>G									X	
				AFB = Cargo manifest number	**>H**						**X**				
1154	Reference number	C	an..35		>A	House Waybill Number	AN	35	X	X					
					>B	Transport Document No	AN	35	X	X					
					>C	MRN (Final Number)	AN	35	X	X					Office Of Entry (AN3) Date (CCYYMMDD) (N8) Number (N7)
					>D	UCR (Unique Consignment Reference)	AN	35		X					
					>E	Declarant's Internal Reference Number	AN	35	X	X					A unique number assigned by the trader, for use by the trader. SARS will store this number but will not perform any validations on it.

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						TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	
EDI ID	**EDI DATA ELEMENT/SEG NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**DATA ELEMENT NAME**								**REMARKS**
					>F	Case Number	AN	35	X	X					The Case number assigned by SARS when supporting documents are called for. This case number must be quoted when supplying the supporting documents to SARS.
					>G	Financial Account Number	N	10						X	
					>H	**CARN (Cargo Reference Number)**					X				**Upon acceptance of a Manifest for Road Freight Manifests the Cargo Management System will generate an unique Reference ID that will be used during arrival management**
1156	Line number	C	an..6											
4000	Reference version number	C	an..35											
DTM	**DATE/TIME/PERIOD**	**C**			**9**									**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M												
2005	Date/time/period qualifier	M	an..3	137 = Document/message date/time	>A				X	X				
				137 = Document/message date/time	>B				X	X				
				137 = Document/message date/time	>C				X	X				
2380	Date/time/period	C	an..35		>A	House Waybill Date	N	8	X	X				
					>B	Transport Document Date	N	8	X	X				
					>C	Assessment Date	N	8	X	X				
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMDD	>A				X	X				
				102 = CCYYMMDD	>B				X	X				
				102 = CCYYMMDD	>C				X	X				
	END OF GROUP 3													
	START OF GROUP 4	**C**			**9999**									**Each repeat of this group represents one error within the document.**
ERP	**ERROR POINT DETAILS**	**M**			**1**									**A segment to identify the location of an application error within a message.**
C701	ERROR POINT DETAILS	C												
1049	Message section, coded	C	an..3	1 = Heading section	>A	Error Section	AN	3	X	X	X	X	X	X	Denotes in which section of the original message the error occurred.
				2 = Detail section	>A				X	X	X	X	X		
				6 = Summary section	>A				X	X	X	X	X		

Table title: CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
															CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)
1052	Message item number	C	an..35		>A	Line Number	N	4	X	X	X	X			The relevant line number from the original document on which the error occurred.
1054	Message sub-item number	C	n..6												
C853	ERROR SEGMENT POINT DETAILS	C													
9166	Segment tag	C	an..3												
1050	Sequence number	C	an..10												
1159	Sequence number source, coded	C	an..3												
ERC	**APPLICATION ERROR INFO**	**C**			**99**										**To identify the type of application error within a message.**
C901	APPLICATION ERROR DETAIL	M													
9321	Application error identification	M	an..8	SARS Code List 20	>A	Error Number	AN	4	X	X	X	X	X		Error description in coded form.
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A				X	X	X	X	X		
FTX	**FREE TEXT**	**C**			**99**										**To provide free form or coded text information.**
4451	TEXT SUBJECT QUALIFIER	M	an..3	AAO = Error description	>A				X	X	X	X	X	X	
4453	TEXT FUNCTION, CODED	C	an..3												
C107	TEXT REFERENCE	C													
4441	Free text identification	M	an..17												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
C108	TEXT LITERAL	C													
4440	Free text	M	an..70		>A	Error Description - 1	AN	70	X	X	X	X	X	X	Description of the error in free text form.
4440	Free text	C	an..70		>A	Error Description - 2	AN	70	X	X	X				
4440	Free text	C	an..70		>A	Error Description - 3	AN	70	X	X	X				

CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)
EDI ID	**EDI DATA ELEMENT/SEG NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**DATA ELEMENT NAME**	**TYPE**	**I-LEN**	**IMP**	**EXP**	**CUSCAR**	**COSTCO**	**CALINF**	**REQDOC STATAC**	**REMARKS**
4440	Free text	C	an..70		>A	Error Description - 4	AN	70	X	X	X				
4440	Free text	C	an..70		>A	Error Description - 5	AN	70	X	X	X				
3453	LANGUAGE, CODED	C	an..3												
	END OF GROUP 4														
	START OF GROUP 5	**C**			**99**										
TAX	**DUTY/TAX/FEE DETAILS**	**M**			**1**										**To specify relevant duty/tax/fee information**
5283	DUTY/TAX/FEE FUNCTION QUALIFIER	M	an..3	3 = Total of each duty, tax or fee	>A				X	X					
C241	DUTY/TAX/FEE TYPE	C													
5153	Duty/tax/fee type, coded	C	an..3	CUS = Customs value	>A				X	X					
1131	Code list qualifier	C	an..3	107 = Excise duty	>A				X	X					
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A				X	X					
5152	Duty/tax/fee type	C	an..35												
C533	DUTY/TAX/FEE ACCOUNT DETAIL	C													
5289	Duty/tax/fee account identification	M	an..6												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
5286	DUTY/TAX/FEE ASSESSMENT BASIS	C	an..15												
C243	DUTY/TAX/FEE DETAIL	C													
5279	Duty/tax/fee rate identification	C	an..7												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
5278	Duty/tax/fee rate	C	an..17												
5273	Duty/tax/fee rate basis identification	C	an..12												

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
						CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)									
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
5305	DUTY/TAX/FEE CATEGORY, CODED	C	an..3												
3446	PARTY TAX IDENTIFICATION NUMBER	C	an..20												
MOA	MONETARY AMOUNT	M			99										To specify a monetary amount.
C516	MONETARY AMOUNT	M													
5025	Monetary amount type qualifier	M	an..3	161 = Duty, tax or fee amount	>A				X	X					
5004	Monetary amount	C	n..18		>A	Customs Value	N	12	X	X					
6345	Currency, coded	C	an..3												
6343	Currency qualifier	C	an..3												
4405	Status, coded	C	an..3												
	END OF GROUP 5														
	START OF GROUP 6	**C**			9999										This group of segments is only supplied when the relevant line on the document required a Permit.
DOC	DOCUMENT/MSG DETAILS	M			1										To identify documents, either printed, electronically transferred, or referenced as specified in message description, including, where relevant, the identification of the type of transaction that will result from this message - This segment is only supplied when the relevant line on the document required a Permit.
C002	DOCUMENT/MESSAGE NAME	M													
1001	Document/message name, coded	C	an..3	911 = Import license	>A	Permit Qualifier	AN	3	X						
				811 = Export license (Export permit)	>A					X					
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
1000	Document/message name	C	an..35												
C503	DOCUMENT/MESSAGE DETAILS	C													

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
	CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)														
1004	Document/message number	C	an..35		>A	Permit Number	AN	35	X	X					
1373	Document/message status, coded	C	an..3												
1366	Document/message source	C	an..35												
3453	Language, coded	C	an..3												
3153	COMMUNICATION CHANNEL IDENTIFIER, CODED	C	an..3												
1220	NUMBER OF COPIES OF DOCUMENT REQUIRED	C	n..2												
1218	NUMBER OF ORIGINALS OF DOCUMENT REQUIRED	C	n..2												
MEA	MEASUREMENTS	C			99										To specify physical measurements, including dimension tolerances, weights and counts - This segment is only supplied when the relevant line on the document required a Permit.
6311	MEASUREMENT APPLICATION QUALIFIER	M	an..3	AAR = 1st Specified tariff quantity	>A				X	X					
				AAK = License (Quantity deducted)	>B				X	X					
C502	MEASUREMENT DETAILS	C													
6313	Measurement dimension, coded	C	an..3												
6321	Measurement significance, coded	C	an..3												
6155	Measurement attribute identification	C	an..17												
6154	Measurement attribute	C	an..70												
C174	VALUE/RANGE	C													
6411	Measure unit qualifier	M	an..3	SARS Code List 5	>A	Quantity Qualifier	AN	3	X	X					
				SARS Code List 5	>B	Permit Balance - Code	AN	3	X	X					
6314	Measurement value	C	an..18		>A	Quantity Amount/Deducted	N	11	X	X					
					>B	Permit Balance - Outstanding Quantity	N	16	X	X					

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
	CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)														
6162	Range minimum	C	n..18												
6152	Range maximum	C	n..18												
6432	Significant digits	C	n..2												
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3												
	START OF GROUP 9	**C**			99										
MOA	**MONETARY AMOUNT**	**M**			1										**To specify a monetary amount - This segment is only supplied when the relevant line on the document required a Permit.**
C516	MONETARY AMOUNT	M													
5025	Monetary amount type qualifier	M	an..3	40 = Customs value	>A				X	X					
				263 = Outstanding amount	>B				X	X					
5004	Monetary amount	C	n..18		>A	Customs/Excise Value	N	12	X	X					
					>B	Outstanding Customs Value on Permit	N	18	X	X					
6345	Currency, coded	C	an..3												
6343	Currency qualifier	C	an..3												
4405	Status, coded	C	an..3												
	END OF GROUP 9														
	START OF GROUP 11	**C**			9999										**This group of segments is only supplied when the relevant line on the document required a Permit.**
CST	**CUSTOMS STATUS OF GOODS**	**M**			1										**To specify goods in terms of customs identities, status and intended use - This segment is only supplied when the relevant line on the document required a Permit.**
1496	GOODS ITEM NUMBER	C	n..5												
C246	CUSTOMS IDENTITY CODES	C													
7361	Customs code identification	M	an..18	Use codes specified in the schedules to the Customs and Excise act	>A	Tariff Code	N	9	X	X					
1131	Code list qualifier	C	an..3	108 = Tariff schedule	>A				X	X					

	CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)													
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	DATA ELEMENT NAME	TYPE	I-LEN	IMP	EXP	CUSCAR	COSTCO	CALINF	REQDOC STATAC	REMARKS
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A				X	X					
C246	CUSTOMS IDENTITY CODES	C													
7361	Customs code identification	M	an..18												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
C246	CUSTOMS IDENTITY CODES	C													
7361	Customs code identification	M	an..18												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
C246	CUSTOMS IDENTITY CODES	C													
7361	Customs code identification	M	an..18												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
C246	CUSTOMS IDENTITY CODES	C													
7361	Customs code identification	M	an..18												
1131	Code list qualifier	C	an..3												
3055	Code list responsible agency, coded	C	an..3												
	END OF GROUP 11														
	END OF GROUP 6														
CNT	**CONTROL TOTAL**	**C**			9										**To provide control totals.**
C270	CONTROL	M													
6069	Control qualifier	M	an..3	11 = Total number of packages	>A				X	X					
				7 = Total gross weight	>B				X	X					
6066	Control value	M	n..18		>A	No. of Packages	N	8	X	X	X	X			

	CUSRES (D96B) DATA MAPPING GUIDE (V20 – 2014/04/02)													
EDI ID	**EDI DATA ELEMENT/SEG NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**DATA ELEMENT NAME**	**TYPE**	**I-LEN**	**IMP**	**EXP**	**CUSCAR**	**COSTCO**	**CALINF**	**REQDOC STATAC**	**REMARKS**
					>B	Gross Mass of Consignment	N	18	X	X					Quantity to be declared in KG.
6411	Measure unit qualifier	C	an..3												
UNT	**MESSAGE TRAILER**	**M**			**1**										**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN THE MESSAGE	M	n..6		>A				X	X	X	X	X	X	Control count including UNH and UNT.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A				X	X	X	X	X	X	Shall be identical to 0062 in UNH.
	END OF CUSRES MESSAGE														

7.2.3. CUSRES - BRANCHING DIAGRAM

Level

7.2.4. CUSRES – DATA MODEL
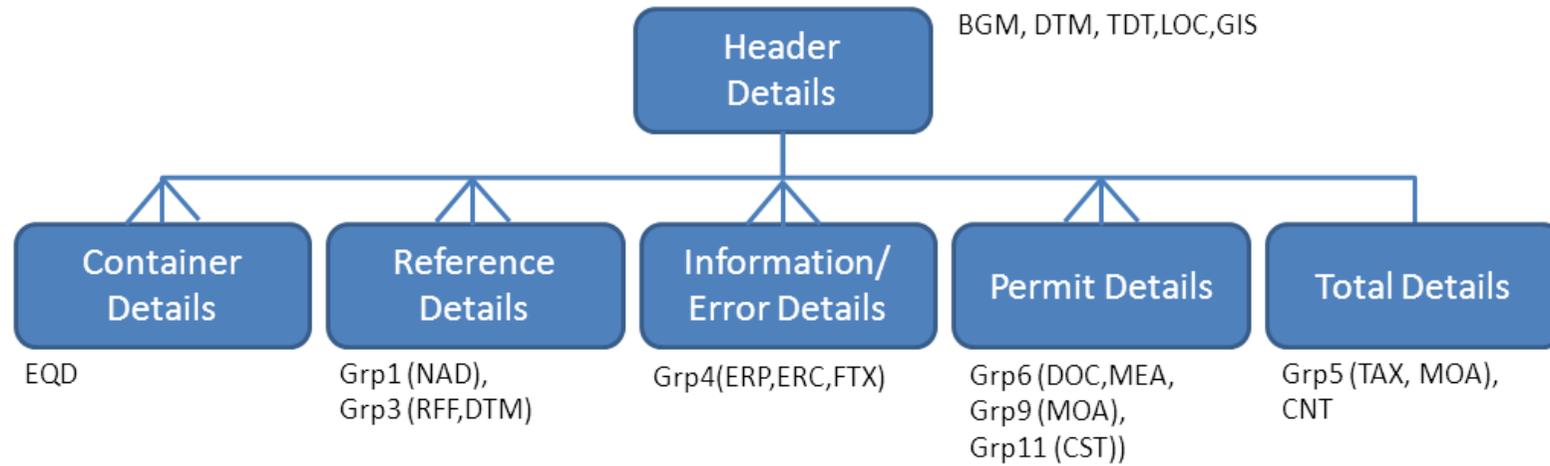
7.2.5.   CUSRES – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
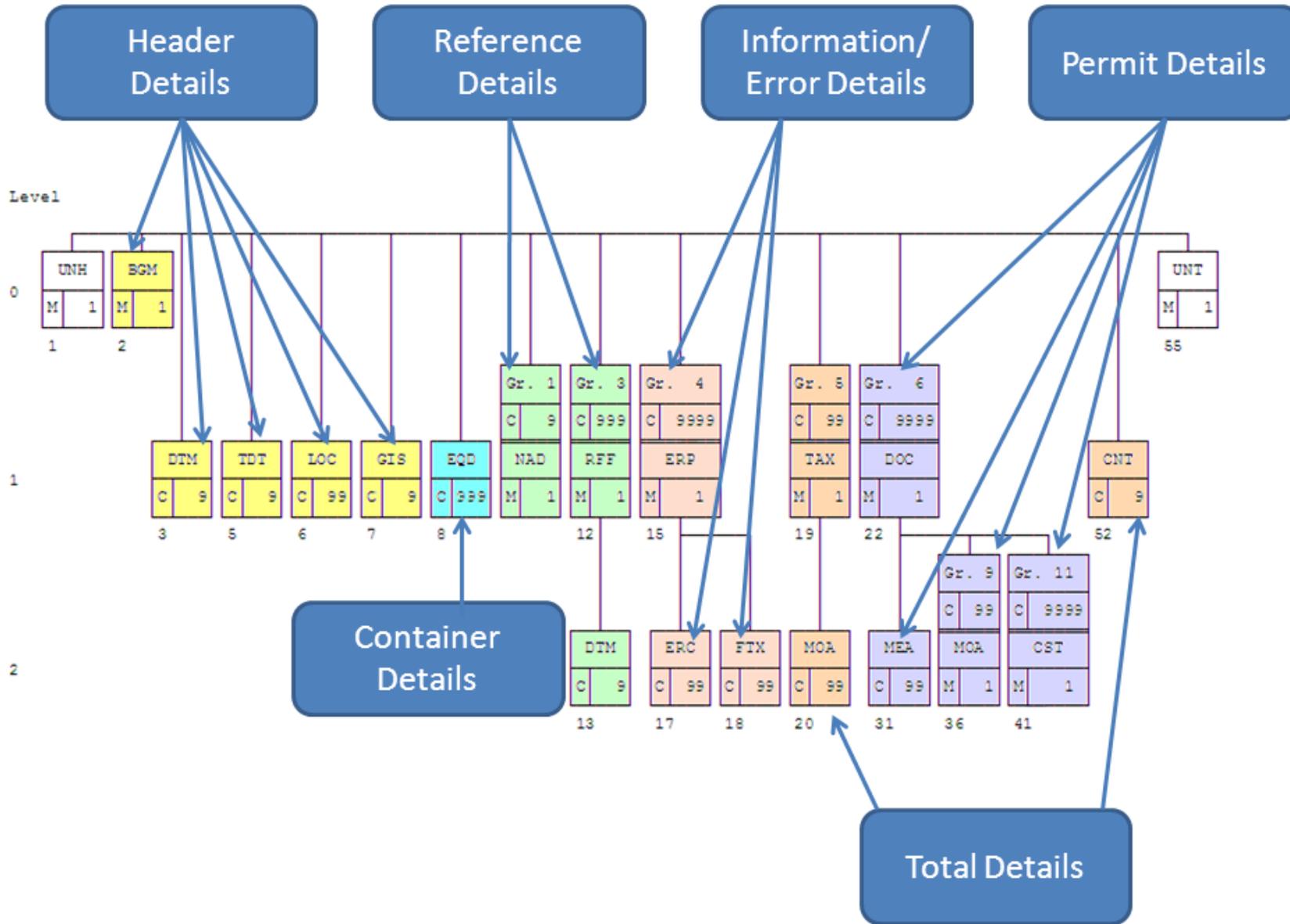
7.2.6. CUSRES - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI CUSRES interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+SARSDEC+ AGENT+20150709:1041+001474859+AAAAAAAAAAAAAA:BB+CUSRES++1+12345678XYZ-E'
Message Header	UNH+00147485900001+CUSRES:D:96B:UN:ZZZ01'
Header Details	BGM+962+12345678CTN20120704000001' DTM+178:20150715:102' TDT+20+1227R+1+++++:::SHIP NAME' LOC+22+CTN::ZZZ' LOC+14+04::ZZZ' GIS+27:120:ZZZ:N'
Container Details (Occurrence 1)	EQD+CN+TRLU3740353'
Container Details (Occurrence 2)	EQD+CN+MSKU9038511'
Reference Details	NAD+AG+12345678' RFF+AAS:XYZ C261037' DTM+137:20150622:102' RFF+ABT:CTN201207040000000' DTM+137:20150709:102' RFF+UCN:2ZA12345678CTN004451' RFF+ACD:204353' RFF+AAV:79510457'
Information/Error Details	ERP+1:0' ERC+0023::ZZZ' FTX+AAO+++Voc found to be in order Case closed & finalised'
Total Details	TAX+3+CUS:107:ZZZ' MOA+161:1770555'
Permit Details	DOC+ +EXP2012/00000' MEA+AAR++KG:10.00' MEA+AAK++KG:1990.00' MOA+40:144821' MOA+263:4855179' CST++720429002:108:ZZZ'
Total Details Continued	CNT+7:51955

	CNT+11:25'
Message Trailer	UNT+31+00147485900001'
Interchange Trailer	UNZ+1+001474859'

7.3. *CONTRL (SYNTAX AND SERVICE REPORT MESSAGE)*

7.3.1. CONTRL – OVERVIEW

Once a UN/EDIFACT message is received the data is automatically translated to ensure the information received conforms to the UN/EDIFACT syntax rules. Once this is established, a CONTRL (Syntax and Service Report) message is sent to the sender of the UN/EDIFACT message, detailing the conformance, or non-conformance of the received UN/EDIFACT message. In the case of non-conformance, the exact error is highlighted. The CONTRL message must be used by the recipient to match the information contained therein to the original UN/EDIFACT message. Should an error be reported the recipient is expected to rectify and re-transmit the message.

The client must also, once a CUSRES message is received from SARS by their EDI facility, generate a CONTRL message immediately to inform Customs of the conformance or non-conformance of the CUSRES message received. This CONTRL message, once received by Customs is matched up with the original CUSRES sent after which it is automatically archived.

Clients which receive the GESMES and PRODAT messages from SARS must generate and send a CONTRL message immediately, once received, back to SARS reporting on the conformance or non-conformance of the GESMES or PRODAT. This CONTRL message, once received by SARS, is matched up with the original message sent after which it is automatically archived.

7.3.2. CONTRL - DATA MAPPING GUIDE

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	REMARKS
UNH	**MESSAGE HEADER**	**M**			1	1				**To head, identify and specify a message.**
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M								
OO65	Message type	M	an..6	CONTRL	>A					Type of message being transmitted.
OO52	Message version number	M	an..3	D	>A					Version number of the message type. If UNG is used, 0052 shall be identical.
OO54	Message release number	M	an..3	3	>A					Release number within the current version number.
OO51	Controlling agency	M	an..2	UN	>A					A code to identify the agency controlling the specification, maintenance and publication of the message type.
OO57	Association assigned code	C	an..6							A code assigned by the association responsible for the design and maintenance of the message type.
OO68	COMMON ACCESS REFERENCE	C	an.35	CONTRL	>A					
S010	STATUS OF THE TRANSFER	C								
OO70	Sequence of transfers	M	n..2							Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1							C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
UCI	**INTERCHANGE RESPONSE**	**M**			1	2				**To identify the subject interchange, to indicate interchange receipt, to indicate acknowledgement or rejection of the UNB and UNZ segments, and to identify any error related to these segments. Depending on the action code, it may also indicate the action taken on the messages within that interchange.**
OO20	INTERCHANGE CONTROL REF	M	an..14		>A					Use the Interchange Control reference assigned by the sender to the subject interchange.
S002	INTERCHANGE SENDER	M								
OOO4	Sender identification	M	an..35		>A					
OOO7	Identification code qualifier	C	an..4							
OOO8	Interchange sender internal identification	C	an..35							
OO42	Interchange sender internal sub-identification	C	an..35							

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	REMARKS
	CONTRL (D3) DATA MAPPING GUIDE (V17 – 2015/11/19)									
S003	INTERCHANGE RECIPIENT	M								
OO10	Recipient identification	M	an..35		>A					
OOO7	Identification code qualifier	C	an..4							
OO14	Recipient internal identification	C	an..35							
OO46	Interchange recipient internal sub-identification	C	an..35							
OO83	ACTION, CODED	M	an..3	4=This level and all lower levels rejected	>A					The corresponding referenced level and all its lower referenced levels are rejected. One or more errors are reported at this reporting level or a lower reporting level.
				6 = UNB/UNZ rejected	>A					
				7 = This level acknowledged, next lower level acknowledged if not explicitly rejected	>A					The corresponding referenced level is acknowledged. All messages at the next lower referenced level are acknowledged except those explicitly reported as rejected at the next lower reporting level in this CONTRL message.
				8 = Interchange received	>A					The subject interchange has been received. UNB and UNZ is acknowledged.
OO85	SYNTAX ERROR, CODED	C	an..3	SARS Code List 21	>A					Use the code list specified.
O135	SERVICE SEGMENT TAG, CODED	C	an..3		>A					
S011	DATA ELEMENT IDENTIFICATION	C								
OO98	Erroneous data element position in segment	M	n..3		>A					
O1O4	Erroneous component data element position	C	n..3		>A					
START OF GROUP 1		**C**			999 999					
UCM	**MESSAGE RESPONSE**	**M**		**GROUP 1**	**1**	**3**				**To identify a message in the subject interchange, and to indicate that message's acknowledgment or rejection, and to identify any error related to the UNH and UNT segments.**
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					
S009	MESSAGE IDENTIFIER	M								
OO65	Message type	M	an..6		>A					
OO52	Message version number	M	an..3		>A					
OO54	Message release number	M	an..3		>A					
OO51	Controlling agency	M	an..2		>A					

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	REMARKS
OO57	Association assigned code	C	an..6							
OO83	ACTION, CODED	M	an..3	4=This level and all lower levels rejected	>A					The corresponding referenced level and all its lower referenced levels are rejected. One or more errors are reported at this reporting level or a lower reporting level.
				7 = This level acknowledged, next lower level acknowledged if not explicitly rejected	>A					The corresponding referenced level is acknowledged. All messages at the next lower referenced level are acknowledged except those explicitly reported as rejected at the next lower reporting level in this CONTRL message.
				8 = Interchange received	>A					The subject interchange has been received. UNB and UNZ is acknowledged.
OO85	SYNTAX ERROR, CODED	C	an..3	SARS Code List 21	>A					Use the code list specified.
OO13	SERVICE SEGMENT TAG, CODED	C	a3		>A					
S011	DATA ELEMENT IDENTIFICATION	C								
OO98	Erroneous data element position in segment	M	n..3		>A					
O1O4	Erroneous component data element position	C	n..3		>A					
START OF GROUP 2		**C**			**999**					
UCS	**SEGMENT ERROR INDICATION**	**M**		**GROUP 2**	**1**	**4**				**To identify either a segment containing an error or a missing segment, and to identify any error related to the complete segment.**
OO96	SEGMENT POSITION IN MESSAGE	M	n..6		>A					
OO85	SYNTAX ERROR, CODED	C	an..3	SARS Code List 21	>A					Use the code list specified.
UCD	**DATA ELEMENT ERROR INDICATION**	**M**		**GROUP 2**	**99**	**5**				**To identify an erroneous simple, composite or component data element, and to identify the nature of the error.**
OO85	SYNTAX ERROR, CODED	M	an..3	SARS Code List 21	>A					Use the code list specified.
S011	DATA ELEMENT IDENTIFICATION	M								
OO98	Erroneous data element position in segment	M	n..3		>A					
O1O4	Erroneous component data element position	C	n..3		>A					

Above table title: **CONTRL (D3) DATA MAPPING GUIDE (V17 – 2015/11/19)**

	CONTRL (D3) DATA MAPPING GUIDE (V17 – 2015/11/19)									
EDI ID	**EDI DATA ELEMENT/SEG NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**KEY**	**DATA ELEMENT NAME**	**TYPE**	**I-LEN**	**REMARKS**
END OF GROUP 2										
END OF GROUP 1										
UNT	**MESSAGE TRAILER**	**M**			**1**	**10**				**To end and check the completeness of a message**
OO74	NUMBER OF SEGMENTS IN THE MESSAGE	M	n..6			>A				
OO62	MESSAGE REFERENCE NUMBER	M	an..14			>A				Unique message reference number within this interchange. Matched up with OO62 in the UNH segment.

7.3.3. CONTRL - BRANCHING DIAGRAM

Level

0

```
        ┌──────┬──────┬──────────┬──────┐
        │ UNH  │ UCI  │          │ UNT  │
        ├──────┼──────┤          ├──────┤
        │M│  1 │M│  1 │          │M│  1 │
        └──────┴──────┘          └──────┘
         1      2                 15
```

```
                 ┌──────────┐
                 │ Gr.    1 │
                 ├──────────┤
                 │C│ 999999 │
                 ├──────────┤
                 │   UCM    │
                 ├──────────┤
                 │M│      1 │
                 └──────────┘
                  4
```

1

```
                 ┌────────┐
                 │ Gr. 2  │
                 ├────────┤
                 │C│ 999  │
                 ├────────┤
                 │  UCS   │
                 ├────────┤
                 │M│   1  │
                 └────────┘
                  6
```

2

```
                 ┌────────┐
                 │  UCD   │
                 ├────────┤
                 │M│   1  │
                 └────────┘
                  7
```

3
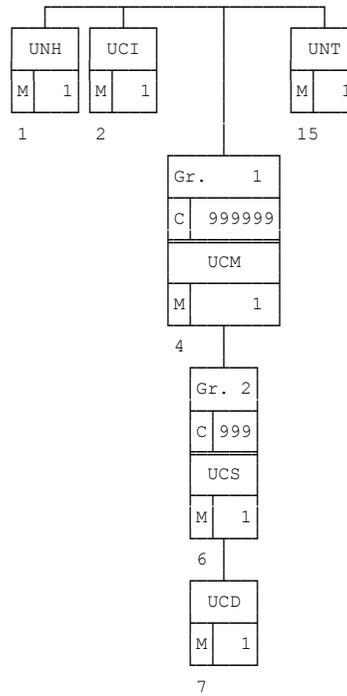
7.3.4. CONTRL – DATA MODEL
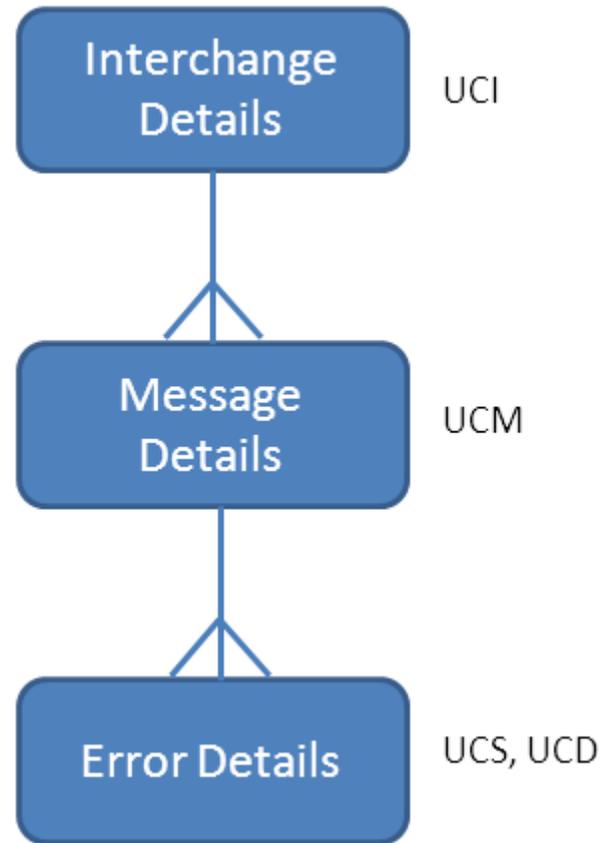
7.3.5. CONTRL – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
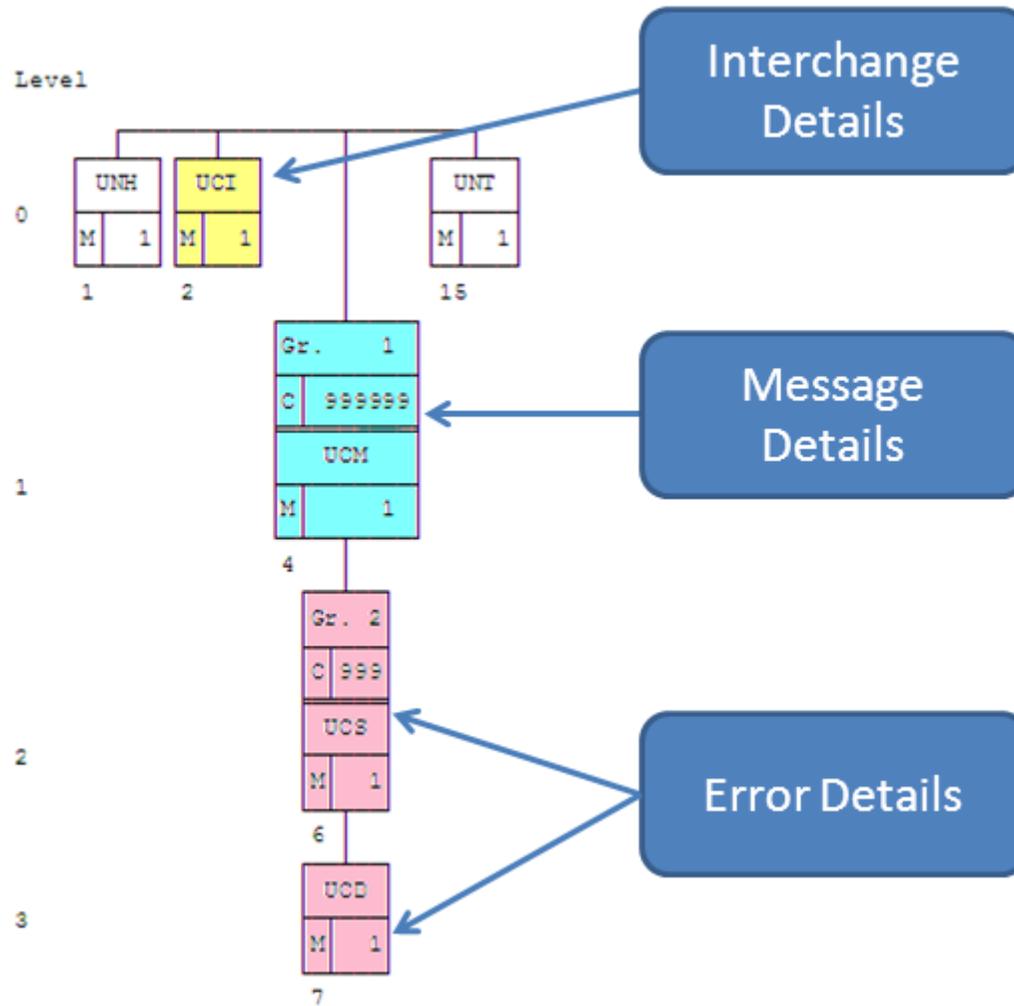
7.3.6. CONTRL - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI CONTRL interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Accepted Message:

Interchange Header	UNB+UNOB:4+AGENT+SARSDEC+20150709:1132+000073976+AAAAAAAAAAAAAA:BB +CONTRL++1+12345678-E '
Message Header	UNH+00007397600001+CONTRL:D:3:UN+CONTRL'
Interchange Details	UCI+00000000515676+AGENT+SARS+7'
Message Details	UCM+00000000515676+CUSDEC:D:96B:UN:ZZZ01+7'
Message Trailer	UNT+4+00007397600001'
Interchange Trailer	UNZ+1+000073976'

Rejected Message:

Interchange Header	UNB+UNOB:4+SARS+AGENT+20150709:1054+006395623+AAAAAAAAAAAAAA:BB+CONTRL+++12345678XYZ '
Message Header	UNH+00639562300001+CONTRL:D:3:UN+CONTRL'
Interchange Details	UCI+342157+AGENT+SARS+4'
Message Details	UCM+342157015249A+COSTCO:D:95B:UN:ZZZ01+4'
Error Details (Occurrence 1)	UCS+3+13'
Error Details (Occurrence 2)	UCS+10' UCD+39+2' UCD+14+3:2' UCD+18+3:2'
Message Trailer	UNT+9+00639562300001'
Interchange Trailer	UNZ+1+006395623'

7.4. *GESMES (GENERIC STATISTICAL MESSAGE)*

7.4.1. GESMES - OVERVIEW

Exchange Rates are received daily from the SARB (Reserve Bank of South Africa) which are then uploaded into the relevant SARS system. These rates used to be printed out by Customs and faxed to Agents from where it had to be re-captured into their internal applications.

With the implementation of the GESMES message the rates are downloaded from the SARS system onto the EDI Gateway where it is constructed into the UN/EDIFACT standard and transmitted to Agents. This enables Agents to receive the information electronically into their internal system from where the rates can be updated automatically, relieving internal personnel of this tedious capturing and checking effort.

A CONTRL message must be sent to SARS on receipt of this message.

7.4.2. GESMES - DATA MAPPING GUIDE

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	LEN	REMARKS
GESMES (D96B) DATA MAPPING GUIDE (V16 – 2012/07/25)
UNH	**MESSAGE HEADER**	**M**			1	1				**To head, identify and specify a message.**
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M								
OO65	Message type	M	an..6	GESMES	>A					Type of message being transmitted.
OO52	Message version number	M	an..3	D	>A					Version number of the message type. If UNG is used, 0052 shall be identical.
OO54	Message release number	M	an..3	96B	>A					Release number within the current version number.
OO51	Controlling agency	M	an..2	UN	>A					A code to identify the agency controlling the specification, maintenance and publication of the message type.
OO57	Association assigned code	C	an..6	ZZZ01	>A					A code assigned by the association responsible for the design and maintenance of the message type.
OO68	COMMON ACCESS REFERENCE	C	an.35							A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C								
OO70	Sequence of transfers	M	n..2							Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1							C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	**BEGINNING OF MESSAGE**	**C**			1	2				**To indicate the beginning of a message.**
C002	DOCUMENT/MESSAGE NAME	C								
1001	Document/message name, coded	C	an..3	190 = Statistical and other administrative internal documents	>A					
1131	Code list qualifier	C	an..3							
3055	Code list responsible agency, coded	C	an..3							
1000	Document/message name	C	an..35							
C106	DOCUMENT/MESSAGE ID	C								
1004	Document/message number	C	an..35							
1056	Version	C	an..9							
1060	Revision number	C	an..6							
1225	MESSAGE FUNCTION, CODED	C	an..3	9 = Original	>A					
				4 = Change	>A					

					3 = Deletion	>A				
4343	RESPONSE TYPE, CODED	C	an..3							
DTM	**DATE/TIME/PERIOD**	**C**				9	3			**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M								
2005	Date/time/period qualifier	M	an..3	7 = Effective date	>A					
2380	Date/time/period	C	an..35		>A			Rate of exchange effective date	N	8	The effective date for the rates of exchange in this message. Format = CCYYMMDD.
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMYY	>A					
	START OF GROUP 11	**C**				999				
DSI	**DATA SET IDENTIFICATION**	**M**		**GROUP 11**		1	4			**To identify a data set.**
C782	DATA SET IDENTIFICATION	M								
1520	Data set identifier	M	an..35	ZAR = South African Rand	>A				AN	3	Currency exchange rate contained within this table is related to the South African Rand.
7405	Identity number qualifier	C	an..3							
C082	PARTY IDENTIFICATION DETAILS	C								
3039	Party id. identification	M	an..35							
1131	Code list qualifier	C	an..3							
3055	Code list responsible agency, coded	C	an..3							
4405	STATUS, CODED	C	an..3							
C286	SEQUENCE INFORMATION	C								
1050	Sequence number	M	an..10							
1159	Sequence number source, coded	C	an..3							
1131	Code list qualifier	C	an..3							
3055	Code list responsible agency, coded	C	an..3							
1060	REVISION NUMBER	C	an..6							

GESMES (D96B) DATA MAPPING GUIDE (V16 – 2012/07/25)

					GESMES (D96B) DATA MAPPING GUIDE (V16 – 2012/07/25)					
ARR	**ARRAY INFORMATION**			**GROUP 11**	**9999**	**5**				To contain the data in an array. The composite C770 - array cell details - occurs 100 times in the segment. The component 9424 - array cell information occurs 100 times in the composite C770.
C778	POSITION IDENTIFICATION	C								
7164	Hierarchical id. number	C	an..12	SARS Code List 8	>A			AN	3	Code to identify the element in a one dimensional array. Use ISO 4217, three alpha code for the Currency Code.
1050	Sequence number	C	an..10							
C770	ARRAY CELL DETAILS	C								
9424	Array cell information	C	an..35		>A		Rate of exchange	N	18(6)	Rate of exchange. Use 6 explicit decimals.
	END OF GROUP 11									
UNT	**MESSAGE TRAILER**	**M**			**1**	**6**				**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN THE MESSAGE	M	n..6		>A					Control count including UNH and UNT.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					Shall be identical to 0062 in UNH.
	END OF GESMES MESSAGE									

7.4.3. GESMES - BRANCHING DIAGRAM

Level

```
                                         ┌──────┬─────┬─────────┬─────────┐
                                         │      │     │         │         │
                                      ┌──┴──┐┌──┴──┐  │         │      ┌───┴─┐
                                      │ UNH ││ BGM │  │         │      │ UNT │
0                                     ├───┬─┤├───┬─┤  │         │      ├───┬─┤
                                      │ M │1││ C │1│  │         │      │ M │1│
                                      └───┴─┘└───┴─┘  │         │      └───┴─┘
                                        1      2      │         │        6
                                                      │      ┌──┴────┐
                                                      │      │ Gr.11 │
                                                      │      ├───┬───┤
                                                      │      │ C │999│
                                                      │      └───┬───┘
                                                   ┌──┴──┐ ┌─────┴─┐
                                                   │ DTM │ │  DSI  │
1                                                  ├───┬─┤ ├───┬───┤
                                                   │ C │9│ │ M │ 1 │
                                                   └───┴─┘ └───┬───┘
                                                     3         4
                                                          ┌────┴────┐
                                                          │   ARR   │
2                                                         ├───┬─────┤
                                                          │ M │9999 │
                                                          └───┴─────┘
                                                               5
```

7.4.4. GESMES – DATA MODEL

7.4.5.   GESMES – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
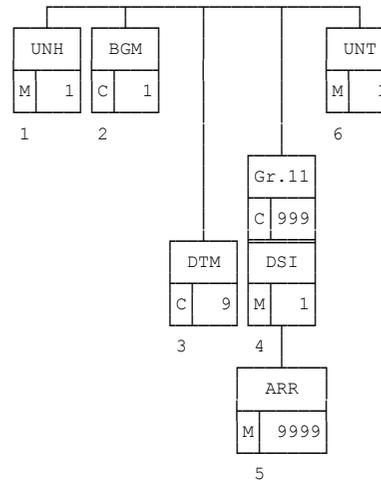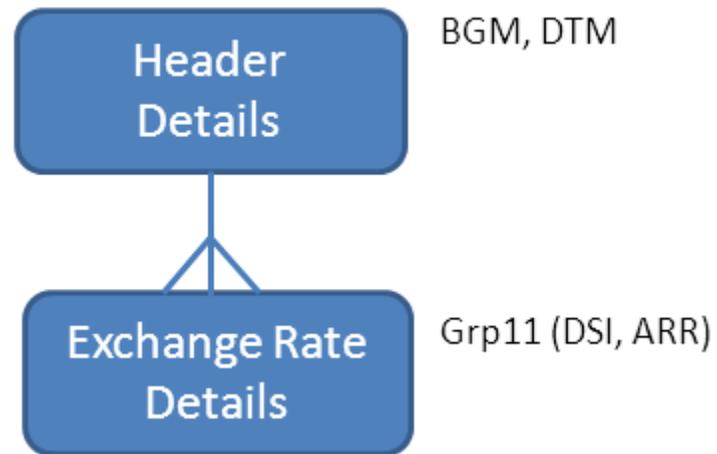
7.4.6. GESMES - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI GESMES interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+SARSINF+AGENT+20150709:1128+001476449+AAAAAAAAAAAAAA:BB +GESMES++1+12345678'
Message Header	UNH+00147644900001+GESMES:D:96B:UN:ZZZ01'
Header Details	BGM+190++9' DTM+7:20150709:102'
Exchange Rate Details	DSI+ZAR' ARR+AUD+0.104900' ARR+BWP+0.744750' ARR+BRL+0.256058' ARR+CAD+0.100050' ARR+CNY+0.491454' ARR+DKK+0.529950' ARR+EUR+0.071242' ARR+HKD+0.609750' ARR+INR+5.025771' ARR+JPY+9.557000' ARR+MWK+34.367350' ARR+NZD+0.115900' ARR+NOK+0.642550' ARR+RUB+4.498732' ARR+SEK+0.665100' ARR+CHF+0.074200' ARR+GBP+0.051368' ARR+USD+0.079160' ARR+ZWD+30.161748'
Message Trailer	UNT+24+00147644900001'
Interchange Trailer	UNZ+1+001476449'

7.5. *SANCRT (INTERNATIONAL MOVEMENT OF GOODS GOVERNMENTAL REGULATORY MESSAGE)*

7.5.1. SANCRT - OVERVIEW

The Issuing Authority will submit permits electronically to SARS as soon as they have been issued. Permits will be sent according to the UN/EDIFACT SANCRT message format. An electronic permit received by SARS may have one of the following three statuses:

- Original (A new permit to be added to the SARS Permit Database).
- Cancellation (The total cancellation of an original permit. This permit may or may not have been used but once cancelled, no declaration will be cleared against this cancelled permit).
- Change (Any data may be altered, including balances. Once a change is received, SARS will search for the relevant permit number on its database and rewrite all the information as received on the changed permit. All data for the amended permit must be sent by the Issuing Authority as if it was an Original).

The Issuing Authority will receive a confirmation from SARS on every Permit that is sent as soon as it has been validated. This could take the form of a positive or a negative acknowledgement and will be transmitted in the UN/EDIFACT CUSRES format. The Issuing Authority will only issue the permit to the Importer once a positive acknowledgement is received from SARS. In the case of a negative acknowledgement, SARS will not update the permit on its database and such permit must be rectified and resubmitted.

SARS will also submit an electronic notification on the usage of the permit for each declaration to the Issuing Authority as soon as possible, or in a batch mode after business hours, after the declaration has been released. The notification of usage will be sent according to the UN/EDIFACT CUSRES message format.

The permit balance is updated centrally by SARS once the Declaration has been processed through the Customs system and a status has been assigned.

7.5.2. SANCRT - DATA MAPPING GUIDE

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)														
UNH	MESSAGE HEADER	M			1	1								To head, identify and specify a message.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A						X	X	X	A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M												
OO65	Message type	M	an..6	SANCRT	>A						X	X	X	Type of message being transmitted.
OO52	Message version number	M	an..3	D	>A						X	X	X	Version number of the message type. If UNG is used, 0052 shall be identical.
OO54	Message release number	M	an..3	96B	>A						X	X	X	Release number within the current version number.
OO51	Controlling agency	M	an..2	UN	>A						X	X	X	A code to identify the agency controlling the specification, maintenance and publication of the message type.
OO57	Association assigned code	C	an..6	ZZZ01	>A						X	X	X	A code assigned by the association responsible for the design and maintenance of the message type.
OO68	COMMON ACCESS REFERENCE	C	an.35											A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C												
OO70	Sequence of transfers	M	n..2											Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1											C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	BEGINNING OF MESSAGE	M			1	2								To indicate the beginning of a message.
C002	DOCUMENT/MESSAGE NAME	C												
1001	Document/message name, coded	C	an..3	911 = Import licence (Import permit)	>A		Permit type	AN	3	M	X	X	X	Indicator to specify the type of permit/certificate communicated.
				811 = Export license (Export permit)	>A									
				17 = Combined certificate of value and origin (DCC)	>A									
				966 = Quota prior allocation certificate (IRCC)	>A									
				A01 = Inward Processing Permit (470.03)	>A									Non-standard UN/EDIFACT code.
				A02 = Drawback Permits (521.02/03)	>A									Non-standard UN/EDIFACT code.
				3 = Certificate of quality (LOA - Letter Of Authority)	>A									
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
1000	Document/message name	C	an..35											

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
	SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)													
C106	DOCUMENT/MESSAGE ID	C												
1004	Document/message number	C	an..35		>A	40	Permit/certificate/LOA number	AN	35	M	X	X	X	Official permit/certificate number as assigned by the issuing authority.
1056	Version	C	an..9											
1060	Revision number	C	an..6											
1225	MESSAGE FUNCTION, CODED	C	an..3	9 = Original	>A	O5	Message function indicator	AN	3	M	X	X	X	Supply all the information of the permit/certificate.
				1 = Cancellation	>A								X	Supply all the information of the permit/certificate.
				4 = Change	>A									Supply all the information of the permit/certificate, not just the altered information.
4343	RESPONSE TYPE, CODED	C	an..3											
DTM	**DATE/TIME/PERIOD**	**C**			**99**	**3**								**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M												
2005	Date/time/period qualifier	M	an..3	182 = Issue date	>A									
				194 = Start date	>B									
				36 = Expiry date	>C									
				154 = Acceptance date of document	>D									
				46 = Cancellation date	>E									
				388 = Amendment binding date	>F									
2380	Date/time/period	C	an..35		>A	50	Issue date	N	8	M	X	X	X	The date the official permit/certificate is issued. Insert as CCYYMMDD.
					>B	160	Start date	N	8	M	X	X	X	The start date of this permit/certificate. Insert as CCYYMMDD.
					>C	170	Expiry date	N	8	M	X	X	X	The expiry date of this permit/certificate. Insert as CCYYMMDD.
					>D	20	Permit/certificate application date	N	8	C	X	X	X	The date the permit/certificate is submitted. Insert as CCYYMMDD.
					>E	171	Cancellation date	N	8	C	X	X	X	The date the permit/certificate is cancelled by the Issuing Authority. Insert as CCYYMMDD.
					>F	172	Amendment date	N	8	C	X	X		The date the permit/certificate is amended by the Issuing Authority. Insert as CCYYMMDD.
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMDD	>A									
				102 = CCYYMMDD	>B									
				102 = CCYYMMDD	>C									
				102 = CCYYMMDD	>D									
				102 = CCYYMMDD	>E									
				102 = CCYYMMDD	>F									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
							SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)							
LOC	PLACE/LOCATION ID	C			99	4								To identify a country/place/location/related location.
3227	PLACE/LOCATION QUALIFIER	M	an..3	41 = Customs office of entry	>A									
				27 = Country of origin	>B									
C517	LOCATION IDENTIFICATION	C												
3225	Place/location identification	C	an..25	SARS Code List 1	>A	140	Port/place of Entry/Exit	AN	3	C	X	X		Use the Customs Alpha Code. This segment may occur 5 times with the same qualifier (41 = Port/Place of entry) to denote the 5 possible Ports of Entry.
					>B	150	Country of Origin/Destination	AN	2	C	X	X	X	Use the country UN/LOCODE(ISO 3166) e.g. Denmark = DK. This segment may occur 10 times with the same qualifier (27 = Country Of Origin) to denote the 10 possible Countries Of Origin for the permit/certificate.
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A									
				6 = UN/ECE	>B									
3224	Place/location	C	an..70											
C519	RELATED LOCATION ONE ID	C												
3223	Related place/location one id	C	an..25											
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
3222	Related place/location one	C	an..70											
C553	RELATED LOCATION TWO ID	C												
3233	Related place/location two identification	C	an..25											
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
3232	Related place/location two	C	an..70											
5479	RELATION, CODED	C	an..3											
RFF	REFERENCE	C			9	5								To specify a reference.
C506	REFERENCE	M												
1153	Reference qualifier	M	an..3	AGK = Application reference number	>A									

	SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)												
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
				ACD = Additional reference number	>B									
1154	Reference number	C	an..35		>A	10	Importer/Exporter permit/certificate application number	AN	35	C	X	X		Unique number assigned by the importer.
					>B	30	Permit/certificate application number	AN	35	C	X	X		A reference number assigned by the issuing authority.
1156	Line number	C	an..6											
4000	Reference version number	C	an..35											
FTX	FREE TEXT	C			9	6								To provide free form or coded text information.
4451	TEXT SUBJECT QUALIFIER	M	an..3	ACB = Additional information	>A									
4453	TEXT FUNCTION, CODED	C	an..3											
C107	TEXT REFERENCE	C												
4441	Free text identification	M	an..17	VA = VAT registration number	>A	80	Identification code qualifier	AN	3	C	X	X	X	
				CRN = Company Registration Number (Used for CC as well)										
				IDN = ID Number										
				PSN = Passport Number										
				AHP = Tax Registration Number										
1131	Code list qualifier	C	an..3	160 = Party identification	>A									
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A									
C108	TEXT LITERAL	C												
4440	Free text	M	an..70		>A	70	Identification code	AN	35	C	X	X	X	
4440	Free text	C	an..70											
4440	Free text	C	an..70											
4440	Free text	C	an..70											
4440	Free text	C	an..70											
3453	LANGUAGE, CODED	C	an..3											
MOA	MONETARY AMOUNT	C			9	8								To specify a monetary amount.
C516	MONETARY AMOUNT	M												
5025	Monetary amount type qualifier	M	an..3	39 = Invoice total amount	>A									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)													
5004	Monetary amount	C	n..18		>A		DCC rand value	N	18	C	X	X		Mandatory and only used for DCC's. This is the Rand Value of the DCC which is at header level unlike the Import and Export permits where this amount is specified per line. No decimals.
6345	Currency, coded	C	an..3											
6343	Currency qualifier	C	an..3											
4405	Status, coded	C	an..3											
	START OF GROUP 2	C			99									
NAD	NAME AND ADDRESS	M			1	14								**To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 through 3207.**
3035	PARTY QUALIFIER	M	an..3	IM = Importer	>A									
				AG = Agent/representative	>B									
				MS = Document issuer	>C									
C082	PARTY IDENTIFICATION DETAILS	C												
3039	Party id. identification	M	an..35		>A	60	Importer/Exporter code	N	8	M	X	X	X	Specify the importer code as assigned by Customs for import permits. For export permits, use this field to supply the Exporter Code.
					>B	120	Agent code	N	8	C/M	X	X		The code of the Agent (assigned by Customs) that will be used to clear the goods. Mandatory for DCCs. This data element must be used to supply the Exporter Code for IRCCs.
				DCC = Department of Trade and Industry – DCCs	>C	OO	Permit/certificate issuer	AN	3	M	X	X	X	Department responsible for issuing the permit/certificate e.g. DTI, NDA, SBS.
				DTI = Department of Trade and Industry – Import Permits										
				NDA = National Department of Agriculture										
				SBS = South African Bureau of Standards										
1131	Code list qualifier	C	an..3	160 = Party identification	>C									
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>C									
C058	NAME AND ADDRESS	C												
3124	Name and address line	M	an..35		>A	110	Importer/Exporter postal address	AN	35	M	X	X	X	Postal address line 1 of importer.
3124	Name and address line	C	an..35		>A	110	Importer/Exporter postal address	AN	35	M	X	X	X	Postal address line 2 of importer.
3124	Name and address line	C	an..35		>A	110	Importer/Exporter postal address	AN	35	M	X	X	X	Postal address line 3 of importer.
3124	Name and address line	C	an..35		>A	110	Importer/Exporter postal address	AN	35	M	X	X	X	Postal address line 4 of importer.
3124	Name and address line	C	an..35		>A	110	Importer/Exporter postal address-postal code	N	4	M	X	X	X	Postal code of importer.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
	SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)													
C080	PARTY NAME	C												
3036	Party name	M	an..35		>A	90	Importer/Exporter name	AN	35	M	X	X	X	Free format name of the importer.
					>B	130	Agent name	AN	35	C/M	X	X		The name of the agent that will be used by the importer. Mandatory for DCC's.
3036	Party name	C	an..35											
3036	Party name	C	an..35											
3036	Party name	C	an..35											
3036	Party name	C	an..35											
3045	Party name format, coded	C	an..3											
C059	STREET	C												
3042	Street and number/p.o. box	M	an..35		>A	100	Importer/Exporter physical address	AN	35	M	X	X	X	Physical address line 1 of importer.
3042	Street and number/p.o. box	C	an..35		>A	100	Importer/Exporter physical address	AN	35	M	X	X	X	Physical address line 2 of importer.
3042	Street and number/p.o. box	C	an..35		>A	100	Importer/Exporter physical address	AN	35	M	X	X	X	Physical address line 3 of importer.
3042	Street and number/p.o. box	C	an..35		>A	100	Importer/Exporter physical address	AN	35	M	X	X	X	Physical address line 4 of importer.
3164	CITY NAME	C	an..35											
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9											
3251	POSTCODE IDENTIFICATION	C	an..9		>A	100	Importer/Exporter physical address - postal code	N	4	M	X	X	X	Postal code of the Importers' physical address.
3207	COUNTRY, CODED	C	an..3											
	END OF GROUP 2													
	START OF GROUP 9	**C**			**9999**									
LIN	**LINE ITEM**	**M**			**1**	**38**								**To identify a line item and configuration.**
1082	LINE ITEM NUMBER	C	n..6		>A	180	Permit/certificate line number	N	6	M	X	X	X	Line number of the permit/certificate.
1229	ACTION REQUEST/NOTIFICATION, CODED	C	an..3											
C212	ITEM NUMBER IDENTIFICATION	C												
7140	Item number	C	an..35											
7143	Item number type, coded	C	an..3											

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
	SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)													
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
C829	SUB-LINE INFORMATION	C												
5495	Sub-line indicator, coded	C	an..3											
1082	Line item number	C	n..6											
1222	CONFIGURATION LEVEL	C	n..2											
7083	CONFIGURATION, CODED	C	an..3											
CST	**CUSTOMS STATUS OF GOODS**	**C**			**9**	**39**								**To specify goods in terms of customs identities, status and intended use.**
1496	GOODS ITEM NUMBER	C	n..5											
C246	CUSTOMS IDENTITY CODES	C												
7361	Customs code identification	M	an..18	Use codes specified in the schedules to the Customs and Excise act	>A	200	Customs tariff heading	N	9	M/C	X	X	X	The full tariff heading, as it appears in part 1 of Schedule 1, with certain exceptions detailed in the SAD Information Manual. This field must be padded with zeros to consist of eight digits plus a trailing check digit which makes this field nine digits. For IRCCs, this field should not be supplied.
1131	Code list qualifier	C	an..3	108 = Tariff schedule	>A									
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A									
C246	CUSTOMS IDENTITY CODES	C												
7361	Customs code identification	M	an..18	Use codes specified in the schedules to the Customs and Excise act	>A		Rebate Item	N	11	M/C	X			Mandatory for IRCC and DCC. Supply the first five digits, zero-filled to the 11th digit. For 470.03, supply 47003000000. For 521, supply 52100000000.
1131	Code list qualifier	C	an..3	108 = Tariff schedule	>A									
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A									
C246	CUSTOMS IDENTITY CODES	C												
7361	Customs code identification	M	an..18											
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
C246	CUSTOMS IDENTITY CODES	C												

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
	SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)													
7361	Customs code identification	M	an..18											
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
C246	CUSTOMS IDENTITY CODES	C												
7361	Customs code identification	M	an..18											
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
MEA	**MEASUREMENTS**	**C**			**9**	**40**								**To specify physical measurements, including dimension tolerances, weights and counts.**
6311	MEASUREMENT APPLICATION QUALIFIER	M	an..3	AAR = 1st Specified tariff quantity	>A									
C502	MEASUREMENT DETAILS	C												
6313	Measurement dimension, coded	C	an..3											
6321	Measurement significance, coded	C	an..3											
6155	Measurement attribute identification	C	an..17											
6154	Measurement attribute	C	an..70											
C174	VALUE/RANGE	C												
6411	Measure unit qualifier	M	an..3	SARS Code List 6	>A	230	Commodity quantity - measurement	AN	3	M/C	X	X	X	Measurement of the commodity quantity. Not supplied for DCC's.
6314	Measurement value	C	an..18		>A	220	Commodity quantity	N	18	M/C	X	X	X	The quantity of the commodity for this permit/certificate. Not supplied for DCC's. SABS, only for individuals, automotive.
6162	Range minimum	C	n..18											
6152	Range maximum	C	n..18											
6432	Significant digits	C	n..2											
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3											
IMD	**ITEM DESCRIPTION**	**C**			**9**	**42**								**To describe an item in either an industry or free format.**
7077	ITEM DESCRIPTION TYPE, CODED	C	an..3											
7081	ITEM CHARACTERISTIC, CODED	C	an..3	11 = Customs specification	>A>B	260	Check Commodity Indicator	AN	3	C	X	X		This indicator must never be sent unless an item on a permit have the same tariff heading but a different Commodity Description. This indicator must be set to "11" should the issuing authority expect SARS to manually check and mark off the permit from the Commodity Description in such a situation. Use this indicator for IRCC as well to indicate the commodity code as per

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)
														the code list supplied.
C273	ITEM DESCRIPTION	C												
7009	Item description identification	C	an..17											
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
7008	Item description	C	an..35		>A	190	Commodity description	AN	35	C	X	X	X	Description of the goods - 1.
				L = Light commercial vehicles										Use this code for IRCC only.
				M = Medium/Heavy commercial vehicles										Use this code for IRCC only.
				C = Automotive components										Use this code for IRCC only.
				T = Automotive tooling										Use this code for IRCC only.
				G = Light Vehicles/No Gearbox/No Engine										
					>B	190	Commodity description	AN	35	C	X	X	X	Description of the goods - 3.
7008	Item description	C	an..35		>A	190	Commodity description	AN	35	C	X	X	X	Description of the goods - 2.
					>B	190	Commodity description	AN	35	C	X	X	X	Description of the goods - 4.
3453	Language, coded	C	an..3											
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3											
FTX	**FREE TEXT**	**C**			**9**	**48**								**To provide free form or coded text information.**
4451	TEXT SUBJECT QUALIFIER	M	an..3	ACB = Additional information	>ABC									
4453	TEXT FUNCTION, CODED	C	an..3											
C107	TEXT REFERENCE	C												
4441	Free text identification	M	an..17											
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
C108	TEXT LITERAL	C												

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)
4440	Free text	M	an..70		>A	250	Permit/certificate conditions	AN	70	M	X	X	X	Free text description - 1 - of the conditions that apply to the permit/certificate.
					>B	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 6 - of the conditions that apply to the permit/certificate.
					>C	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 11 - of the conditions that apply to the permit/certificate.
4440	Free text	C	an..70		>A	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 2 - of the conditions that apply to the permit/certificate.
					>B	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 7 - of the conditions that apply to the permit/certificate.
					>C	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 12 - of the conditions that apply to the permit/certificate.
4440	Free text	C	an..70		>A	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 3 - of the conditions that apply to the permit/certificate.
					>B	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 8 - of the conditions that apply to the permit/certificate.
					>C	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 13 - of the conditions that apply to the permit/certificate.
4440	Free text	C	an..70		>A	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 4 - of the conditions that apply to the permit/certificate.
					>B	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 9 - of the conditions that apply to the permit/certificate.
					>C	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 14 - of the conditions that apply to the permit/certificate.
4440	Free text	C	an..70		>A	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 5 - of the conditions that apply to the permit/certificate.
					>B	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 10 - of the conditions that apply to the permit/certificate.
					>C	250	Permit/certificate conditions	AN	70	C	X	X	X	Free text description - 15 - of the conditions that apply to the permit/certificate.
3453	LANGUAGE, CODED	C	an..3											
MOA	**MONETARY AMOUNT**	**C**			**9**	**50**								**To specify a monetary amount.**
C516	MONETARY AMOUNT	M												
5025	Monetary amount type qualifier	M	an..3	38 = Invoice item amount	>A									
5004	Monetary amount	C	n..18		>A	210	Commodity quantity - rand value	N	18	M	X	X		The rand value of the quantity of the commodity for this permit/certificate. No decimals.
6345	Currency, coded	C	an..3											
6343	Currency qualifier	C	an..3											
4405	Status, coded	C	an..3											

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	M/C	ITAC	NDA	SABS	REMARKS
	SANCRT(D96B) DATA MAPPING GUIDE (V17 – 2012/07/26)													
	END OF GROUP 9													
CNT	**CONTROL TOTAL**	**C**		**To provide control totals.**	**9**	**74**								
C270	CONTROL	M												
6069	Control qualifier	M	an..3	2 = Number of line items in message	>A									
6066	Control value	M	n..18		>A	260	Total number of permit/certificate lines	N	6	M	X	X	X	The total number of permit/certificate lines for this permit/certificate.
6411	Measure unit qualifier	C	an..3											
UNT	**MESSAGE TRAILER**	**M**			**1**									**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN THE MESSAGE	M	n..6		>A									Control count including UNH and UNT.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A									Shall be identical to 0062 in UNH.
	END OF SANCRT MESSAGE													

7.5.3. SANCRT - BRANCHING DIAGRAM

Level

```
        ┌──────────────┬────┬────┬────┬────┬────┬────┬──────────────┐
      ┌────────┐ ┌────────┐                              ┌────────┐
      │  UNH   │ │  BGM   │                              │  UNT   │
  0   ├──┬─────┤ ├──┬─────┤                              ├──┬─────┤
      │M │  1  │ │M │  1  │                              │M │  1  │
      └──┴─────┘ └──┴─────┘                              └──┴─────┘
        1          2                                       77

                                       ┌────────┐ ┌────────┐
                                       │ Gr.  2 │ │ Gr.  9 │
                                       ├──┬─────┤ ├──┬─────┤
                                       │C │  99 │ │C │9999 │
          ┌────────┐ ┌────────┐ ┌────────┐ ┌────────┐ ┌────────┐ ┌────────┐ ┌────────┐ ┌────────┐
          │  DTM   │ │  LOC   │ │  RFF   │ │  FTX   │ │  MOA   │ │  NAD   │ │  LIN   │ │  CNT   │
  1       ├──┬─────┤ ├──┬─────┤ ├──┬─────┤ ├──┬─────┤ ├──┬─────┤ ├──┬─────┤ ├──┬─────┤ ├──┬─────┤
          │C │  99 │ │C │  99 │ │C │  9  │ │C │  9  │ │C │  9  │ │M │  1  │ │M │  1  │ │C │  9  │
          └──┴─────┘ └──┴─────┘ └──┴─────┘ └──┴─────┘ └──┴─────┘ └──┴─────┘ └──┴─────┘ └──┴─────┘
            3          4          5          6          8          14         38         74

                                                      ┌──────────┬──────────┬──────────┬──────────┐
                                                   ┌────────┐ ┌────────┐ ┌────────┐ ┌────────┐ ┌────────┐
                                                   │  CST   │ │  MEA   │ │  IMD   │ │  FTX   │ │  MOA   │
  2                                                ├──┬─────┤ ├──┬─────┤ ├──┬─────┤ ├──┬─────┤ ├──┬─────┤
                                                   │C │  9  │ │C │  9  │ │C │  9  │ │C │  9  │ │C │  9  │
                                                   └──┴─────┘ └──┴─────┘ └──┴─────┘ └──┴─────┘ └──┴─────┘
                                                     39         40         42         48         50
```
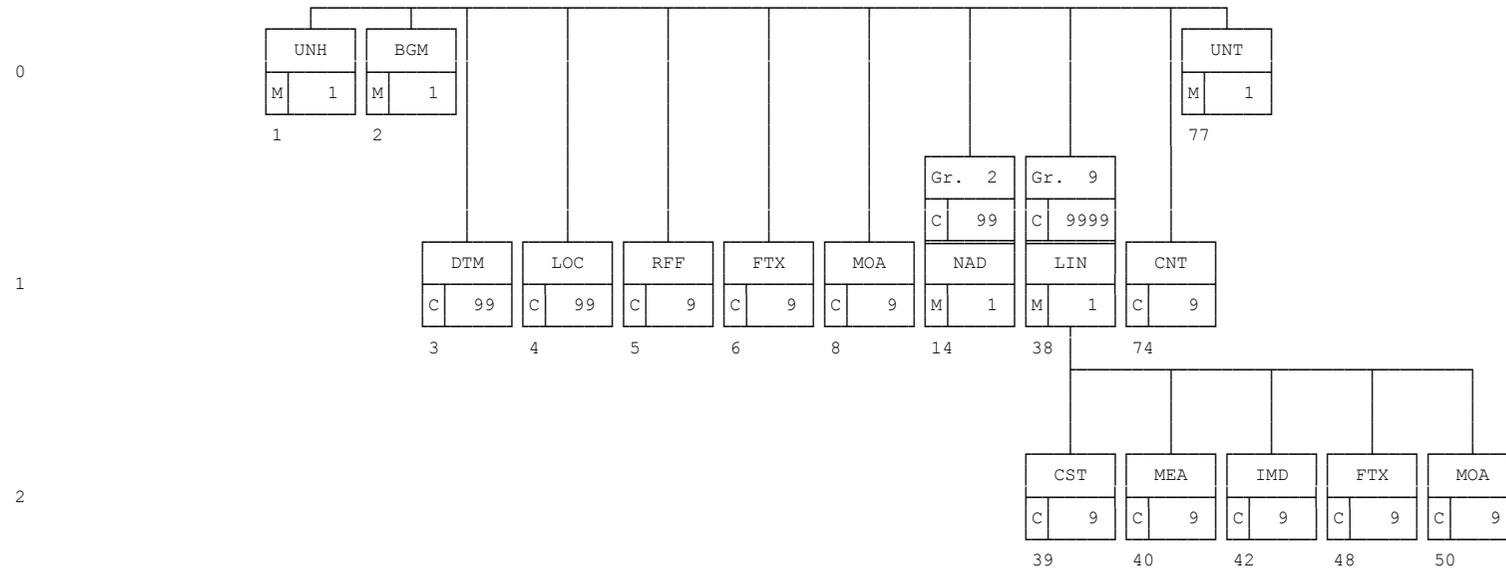
7.5.4. SANCRT – DATA MODEL
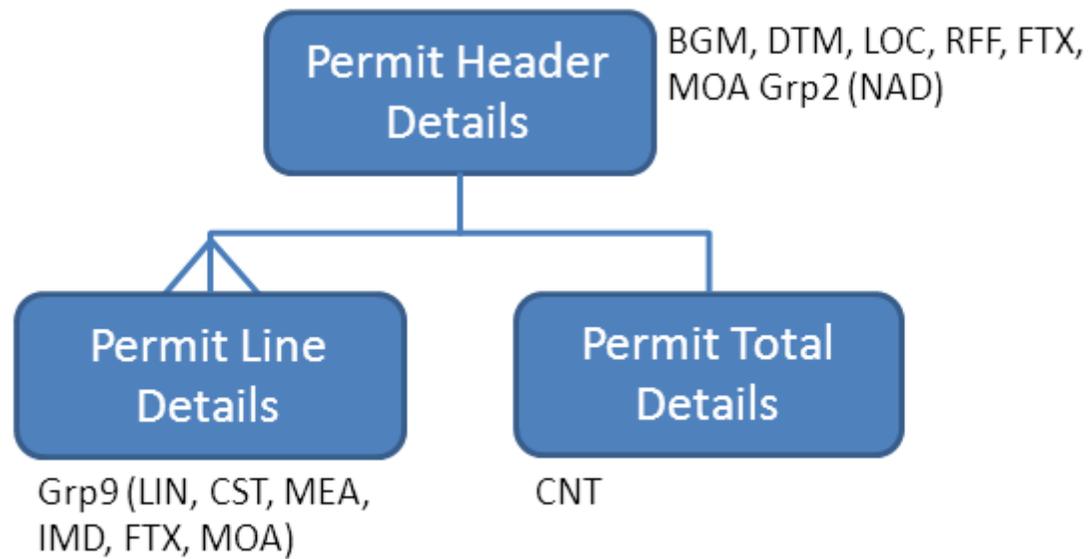
7.5.5. SANCRT – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
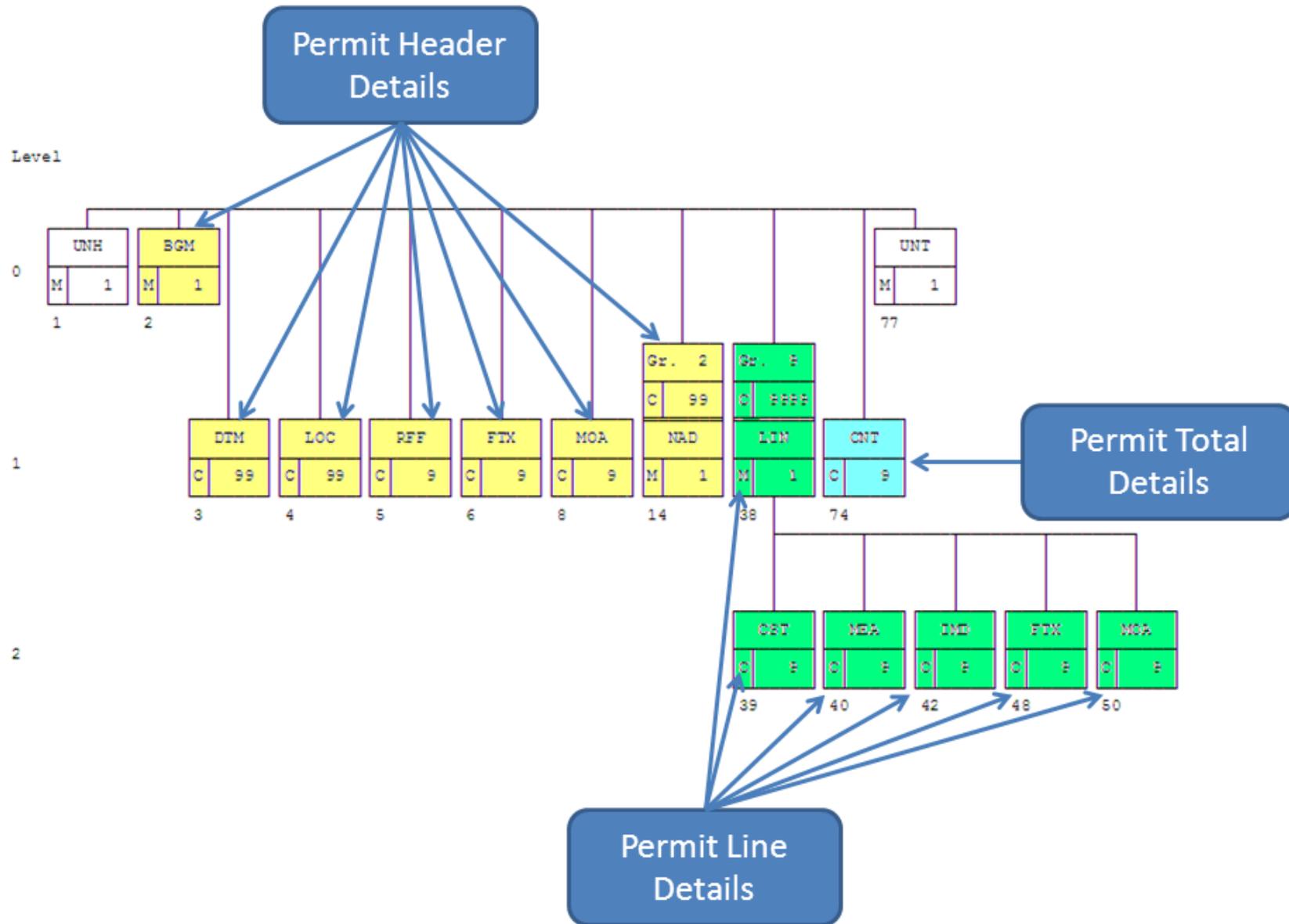
7.5.6. SANCRT - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI SANCRT interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+SENDER+SARSDEC+20150709:1438+00000000051116++SANCRT+++SENDER'
Message Header	UNH+00000000144549+SANCRT:D:96B:UN:ZZZ01'
Permit Header Details	BGM+911:::+IMP2012/00000::+9+' DTM+182: 20140709:102' DTM+194: 20140709:102' DTM+36: 20150709:102' DTM+154: 20140705:102' RFF+AGK:00/0/0/00/ G' RFF+ACD:XXX111111' FTX+ACB++VA:160:ZZZ+2222222222:::::+' FTX+ACB++AHP:160:ZZZ+3333333333:::::+' FTX+ACB++CRN:160:ZZZ+444444444444:::::+' FTX+ACB++IDN:160:ZZZ+5555555555555:::::+' NAD+IM+12345678:160:ZZZ+P O BOX 1:SPRINGS:::1560+ABC DISTRIBUTORS (PTY) LTD:::+1 FIRST AVE:NUFFIELD:SPRINGS:++GP+1599+ZA' NAD+MS+SENDER+++++++'
Permit Line Details	LIN+1+++++' CST++846591005:108:ZZZ' MEA+AAR++NO:1.00:::+' IMD+++:::SAWING MACHINES::+' FTX+ACB+++(NO EXCHANGE AUTHORIZED OR REQUIRED.)(USED BEAM SAW.):::::+' MOA+38:0:::'
Permit Total Details	CNT+2:1:'
Message Trailer	UNT+24+00000000144549'
Interchange Trailer	UNZ+1+00000000051116'

7.6.   *CALINF (CALL INFORMATION)*

7.6.1. CALINF – OVERVIEW

The CALINF message is used by shipping lines/airlines to report vessel/aircraft schedules electronically to SARS. It is also used to supply the actual date/time of arrival of vessels.

For each CALINF message received, SARS will return a CUSRES message with a Status 6 (Rejected), Status 8 (Accepted) or Status 9 (Duplicate).

7.6.2. CALINF - DATA MAPPING GUIDE

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH	ARR	ASC	AAR	REMARKS
CALINF (D99B) DATA MAPPING GUIDE (V17 – 2015/10/20)
														SCH = Vessel Schedule.
														ARR = Vessel Arrival
														ASC = Air Schedule
														AAR = Air Arrival
UNH	**MESSAGE HEADER**	M			1									**To head, identify and specify a message.**
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	X	X	A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M												
OO65	Message type	M	an..6	CALINF	>A					X	X	X	X	Type of message being transmitted.
OO52	Message version number	M	an..3	D	>A					X	X	X	X	Version number of the message type. If UNG is used, 0052 shall be identical.
OO54	Message release number	M	an..3	99B	>A					X	X	X	X	Release number within the current version number.
OO51	Controlling agency	M	an..2	UN	>A					X	X	X	X	A code to identify the agency controlling the specification, maintenance and publication of the message type.
OO57	Association assigned code	C	an..6	ZZZ01	>A					X	X	X	X	A code assigned by the association responsible for the design and maintenance of the message type.
OO68	COMMON ACCESS REFERENCE	C	an.35											A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C												
OO70	Sequence of transfers	M	n..2											Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1											C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	**BEGINNING OF MESSAGE**	M			1									**To indicate the beginning of a message.**
C002	DOCUMENT/MESSAGE NAME	C												
1001	Document/message name, coded	C	an..3	96 = Impending arrival	>A	14	DOCUMENT TYPE	AN	3	M		M		Used for schedule of Means Of Transport.
				98 = Arrival Information	>A						M		M	
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
1000	Document/message name	C	an..35											
C106	DOCUMENT/MESSAGE ID	C												

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH	ARR	ASC	AAR	REMARKS
CALINF (D99B) DATA MAPPING GUIDE (V17 – 2015/10/20)
1004	Document/message number	C	an..35		>A	10	DOCUMENT/MESSAGE NUMBER	AN	35	M	M	M	M	A unique reference number assigned to the electronic document.
1056	Version	C	an..9											
1060	Revision number	C	an..6											
1225	MESSAGE FUNCTION, CODED	C	an..3	1 = Cancellation	>A	13	MESSAGE FUNCTION	AN	3	M	M	M	M	Used when the Voyage is cancelled. Should the Voyage Number change, the Schedule must be cancelled and then resubmitted as an original.
				4 = Change	>A									Used for updating of the Schedule.
				9 = Original	>A									Used when the message is sent the first time.
4343	RESPONSE TYPE, CODED	C	an..3											
DTM	**DATE/TIME/PERIOD**	**C**			**9**									**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M												
2005	Date/time/period qualifier	M	an..3	137 = Document/message date/time	>A					X	X	X	X	
2380	Date/time/period	C	an..35		>A		DOCUMENT/MESSAGE DATE	N	12	M	M	M	M	The date the message was produced.
2379	Date/time/period format qualifier	C	an..3	203 = CCYYMMDDHHMM	>A					X	X	X	X	
	START OF GROUP 2	**C**			**9**									
RFF	**REFERENCE**	**M**			**1**	**12**								**To specify reference.**
C506	**REFERENCE**	**M**												
1153	**Reference qualifier**	**M**	**an..3**	**ACW = Reference to a previous message**	**>A**									
1154	**Reference number**	**C**	**an..35**		**>A**	**949**	**DOCUMENT TO BE AMENDED**	**AN**	**35**	**X**	**X**	**X**	**X**	**Mandatory should this message be an amendment or cancellation to a previous message**
1156	**Line number**	**C**	**an..6**											
4000	**Reference version number**	**C**	**an..35**											
1060	**Revision number**	**C**	**an..6**											
	END OF GROUP 2													
	START OF GROUP 3	M			9									
NAD	**NAME AND ADDRESS**	**M**			**1**									**To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 through 3207.**

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH	ARR	ASC	AAR	REMARKS
CALINF (D99B) DATA MAPPING GUIDE (V17 – 2015/10/20)													
3035	PARTY QUALIFIER	M	an..3	MS = Message sender	>A					X	X	X	X	
C082	PARTY IDENTIFICATION DETAILS	C												
3039	Party id. identification	M	an..35		>A		MESSAGE SENDER	AN	35	M	M	M	M	
1131	Code list qualifier	C	an..3	172 = Carrier code	>A									
3055	Code list responsible agency, coded	C	an..3	20 = BIC (Bureau International Des Containeurs)	>A					X	X			
				166 = US, National Motor Freight Classification Association (SCAC Code)	>A					X	X			
				3 = IATA	>A							X	X	
				ZZZ = South African Revenue Service	>A					X	X	X	X	
C058	NAME AND ADDRESS	C												
3124	Name and address line	M	an..35											
3124	Name and address line	C	an..35											
3124	Name and address line	C	an..35											
3124	Name and address line	C	an..35											
3124	Name and address line	C	an..35											
C080	PARTY NAME	C												
3036	Party name	M	an..35											
3036	Party name	C	an..35											
3036	Party name	C	an..35											
3036	Party name	C	an..35											
3036	Party name	C	an..35											
3045	Party name format, coded	C	an..3											
C059	STREET	C												
3042	Street and number/p.o. box	M	an..35											
3042	Street and number/p.o. box	C	an..35											
3042	Street and number/p.o. box	C	an..35											
3042	Street and number/p.o. box	C	an..35											
3164	CITY NAME	C	an..35											

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH	ARR	ASC	AAR	REMARKS
C819	COUNTRY SUB-ENTITY DETAILS	C												
3229	Country sub-entity name code	C	an..9											
1131	Code list identification code	C	an..3											
3055	Code list responsible agency code	C	an..3											
3228	Country sub-entity name	c	an..35											
3251	POSTCODE IDENTIFICATION	C	an..9											
3207	COUNTRY, CODED	C	an..3											
	END OF GROUP 3													
	START OF GROUP 5	M			1									
TDT	DETAILS OF TRANSPORT	M			1									To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.
8051	TRANSPORT STAGE QUALIFIER	M	an..3	20 = Main-carriage transport	>A					X	X	X	X	
8028	CONVEYANCE REFERENCE NO	C	an..17		>A	240	CONVEYANCE NUMBER	AN	17	M	M	M	M	Voyage number/flight number etc.
C220	MODE OF TRANSPORT	C												
8067	Mode of transport, coded	C	an..3	SARS Code List 10	>A	180	TRANSPORT CODE	AN	3	M	M	M	M	Applicable numeric main carriage transport code (UN Recommendation 19). Also refer to the SARS Code List 10
8066	Mode of transport	C	an..17											
C228	TRANSPORT MEANS	C												
8179	Type of means of transport identification	C	an..8											
8178	Type of means of transport	C	an..17											
C040	CARRIER	C												
3127	Carrier identification	C	an..17		>A	902	CARRIER CODE	AN	17	M	M	M	M	Party operating the Means Of Transport.
1131	Code list qualifier	C	an..3	172 = Carrier code	>A					X	X	X	X	
3055	Code list responsible agency, coded	C	an..3	20 = BIC (Bureau International Des Containeurs)	>A					X	X			

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH	ARR	ASC	AAR	REMARKS
				CALINF (D99B) DATA MAPPING GUIDE (V17 – 2015/10/20)										
				166 = US, National Motor Freight Classification Association (SCAC Code)	>A					X	X			
				3 = IATA	>A							X	X	
3128	Carrier name	C	an..35		>A	903	CARRIER NAME	AN	35	M	M	O	O	
8101	TRANSIT DIRECTION, CODED	C	an..3											
C401	EXCESS TRANSPORTATION INFORMATION	C												
8457	Excess transportation reason, coded	M	an..3											
8459	Excess transportation responsibility, coded	M	an..3											
7130	Customer authorization number	C	an..17											
C222	TRANSPORT IDENTIFICATION	C												
8213	Id. of means of transport identification	C	an..9		>A	904	ID OF MEANS OF TRANSPORT	AN	9	M	M	M	M	Radio Call Sign/Registration Number of aircraft.
1131	Code list qualifier	C	an..3	103 = Call sign directory	>A					X	X			
				146 = Means of transport identification	>A							X	X	
3055	Code list responsible agency, coded	C	an..3											
8212	Id. of the means of transport	C	an..35		>A	241	NAME OF MEANS OF TRANSPORT	AN	35	M	M	O	O	Name of the vessel/aircraft.
8453	Nationality of means of transport, coded	C	an..3	UNLOCODES	>A	905	NATIONALITY OF MEANS OF TRANSPORT	AN	3	O	O	O	O	
8281	TRANSPORT OWNERSHIP, CODED	C	an..3											
	START OF GROUP 6	M			99									
LOC	**PLACE/LOCATION ID**	**C**			1									**To identify a country/place/location/related location.**
3227	PLACE/LOCATION QUALIFIER	M	an..3	5 = Place Of Departure	>A					X		X		Original Place Of Departure of this Means Of Transport for this Conveyance Reference number.
				11 = Place Of Discharge	>A						X		X	
				153 = Port Of Call	>B->n					X		X		
C517	LOCATION IDENTIFICATION	C												
3225	Place/location identification	C	an..25		>A	930	PLACE OF DEPARTURE	AN	5	M		M		For this declared voyage. Airport of departure for this flight.
					>A	933	PLACE OF DISCHARGE	AN	5		M		M	For this declared voyage. Airport of destination for this flight.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH	ARR	ASC	AAR	REMARKS
					>B->n	931	PLACE OF CALL	AN	5	M		M		For this declared voyage/flight.
1131	Code list qualifier	C	an..3	139 = Port	>A>B					X	X			
				145 = Airport	>A>B							X	X	
3055	Code list responsible agency, coded	C	an..3	6 = UN/ECE (LOCODES)	>A>B					X	X	X	X	
				3 = IATA	>A>B							X	X	
3224	Place/location	C	an..70											
C519	RELATED LOCATION ONE IDENTIFICATION	C												
3223	Related place/location one identification	C	an..25											
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
3222	Related place/location one	C	an..70											
C553	RELATED LOCATION TWO IDENTIFICATION	C												
3233	Related place/location two identification	C	an..25											
1131	Code list qualifier	C	an..3											
3055	Code list responsible agency, coded	C	an..3											
3232	Related place/location two	C	an..70											
5479	RELATION, CODED	C	an..3											
DTM	**DATE/TIME/PERIOD**	**C**			**9**									**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M												
2005	Date/time/period qualifier	M	an..3	136 = Departure Date	>A					X		X		
				178 = Arrival Date, Actual	>A						X		X	
				132 = Estimated arrival date/time	>B->n					X		X		
2380	Date/time/period	C	an..35		>A	932	DATE/TIME OF DEPARTURE	N	12	O		M		The actual date/time of departure of the means of transport at the original Place Of Departure. Flight date for Air. Inserted as CCYYMMDDHHMM.
					>A	934	ACTUAL ARRIVAL DATE/TIME	N	12		M		M	The actual date/time of arrival of the means of transport at the Place Of Discharge. Inserted as CCYYMMDDHHMM.
					>B->n	909	ESTIMATED DATE/TIME OF ARRIVAL	N	12	M		M		The estimated date/time of arrival of the means of transport at the Place Of Call. Inserted as CCYYMMDDHHMM.
2379	Date/time/period format qualifier	C	an..3	203 = CCYYMMYYHHMM	>A>B					X	X	X	X	
	END OF GROUP 6													

CALINF (D99B) DATA MAPPING GUIDE (V17 – 2015/10/20)

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH	ARR	ASC	AAR	REMARKS
	CALINF (D99B) DATA MAPPING GUIDE (V17 – 2015/10/20)													
	END OF GROUP 5													
UNT	**MESSAGE TRAILER**	**M**			1									**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN THE MESSAGE	M	n..6		>A					X	X	X	X	Control count including UNH and UNT.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	X	X	Shall be identical to 0062 in UNH.
	END OF CALINF MESSAGE													

7.6.3. CALINF - BRANCHING DIAGRAM

Level

7.6.4. CALINF – DATA MODEL

Voyage/Flight Details

BGM, DTM, Grp1 (FTX, MEA,EQN),
Grp2(RFF),Grp3 (NAD, Grp4(CTA,COM)),
Grp5(TDT,DTM,RFF,DIM,FTX)),
Grp7(QTY,FTX)

Schedule Details

Grp6 (LOC, DTM)
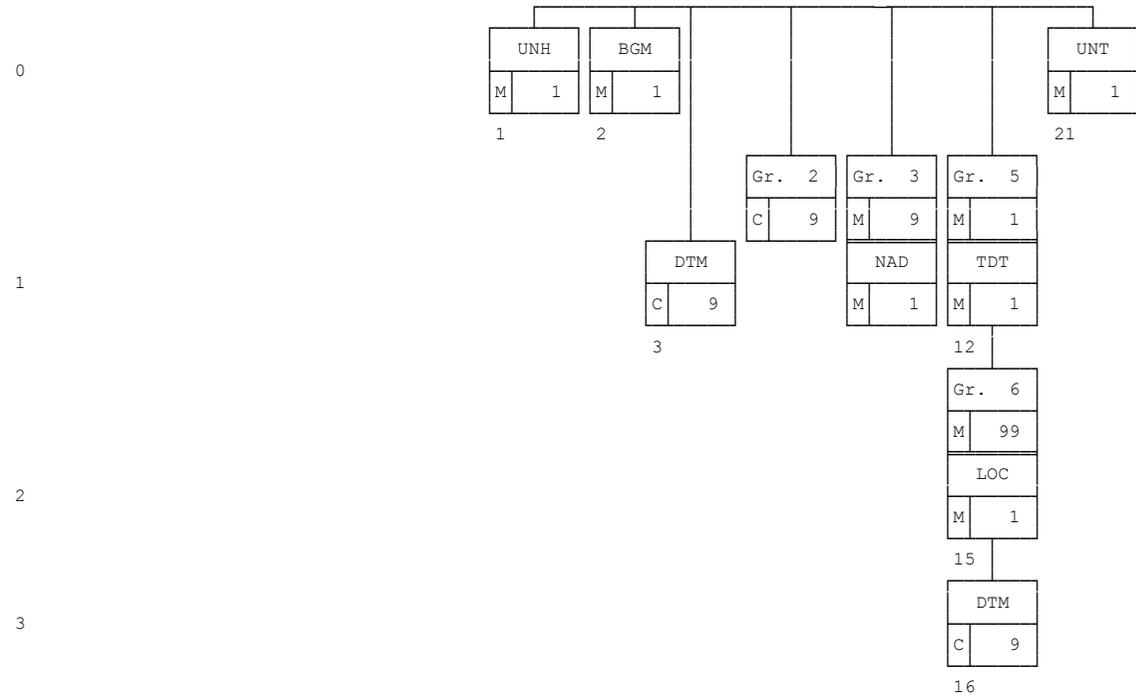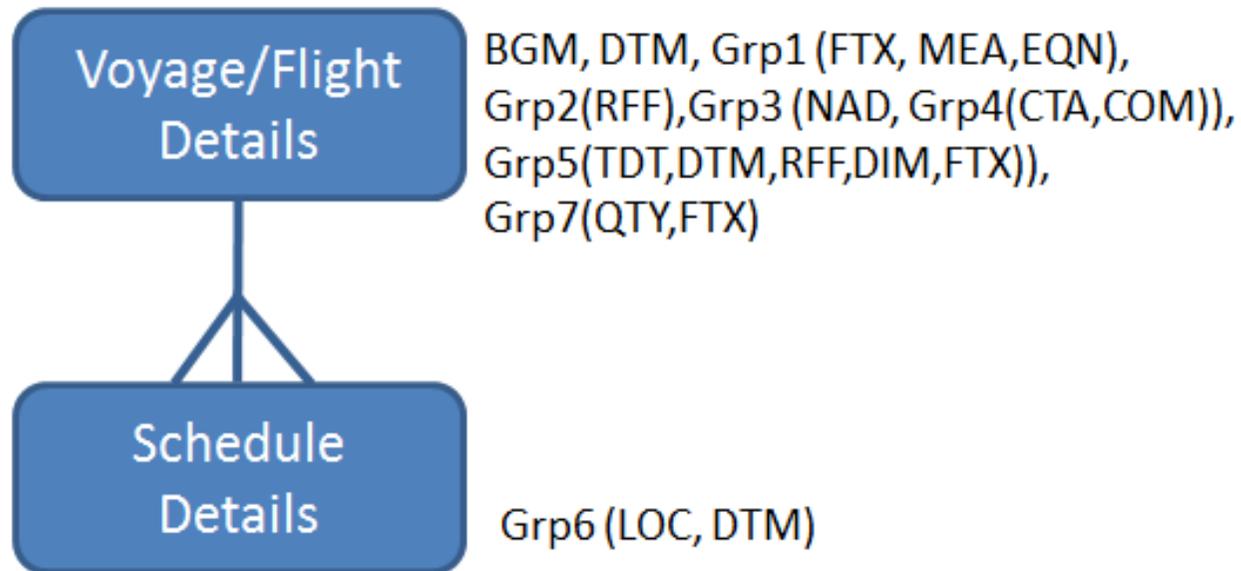
7.6.5. CALINF – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
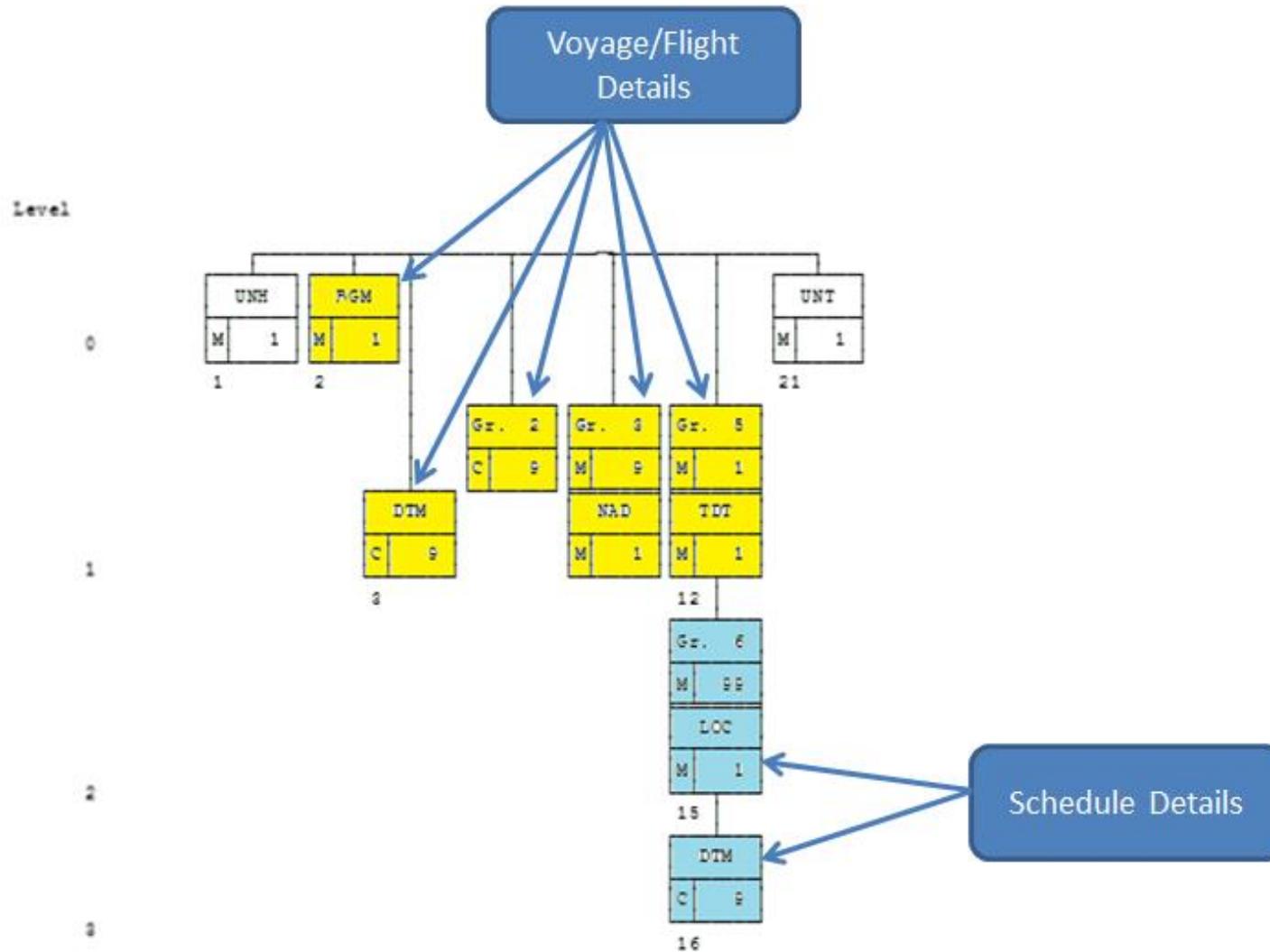
7.6.6. CALINF - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI CALINF interchange. This is purely an example and must not be used as a systems specification of any kind.

Schedule:

Interchange Header	UNB+UNOB:4+SENDER+SARSCAR+20140710:0016+80901420+AAAAAAAAAAAAAA:BB+CALINF++1+ABC'
Message Header	UNH+8090142+CALINF:D:99B:UN:ZZZ01++1'
Voyage / Flight Details	BGM+96+809014222+4' DTM+137:201407100008:203' NAD+MS+ABC' TDT+20+4704A+1++ABC:172:ZZZ:ABC+++A8CK2:103::SHIP NAME'
Schedule Details	LOC+5+ZAZBA:139:6' DTM+136:201407221900:203' LOC+153+ZADUR:139:6' DTM+132:201407230600:203' LOC+153+ZACPT:139:6' DTM+132:201407260400:203' LOC+153+NAWVB:139:6' DTM+132:201407290600:203' LOC+153+AOLAD:139:6' DTM+132:201408020600:203'
Message Trailer	UNT+16+8090142'
Interchange Trailer	UNZ+1+8090142-0'

Arrival:

Interchange Header	UNB+UNOB:4+SENDER+SARSCAR+20140710:0617+20140710140557+AAAAAAAAAAAAAA:BB+CALINF+++ABC'
Message Header	UNH+20140710140557+CALINF:D:99B:UN'
Voyage / Flight Details	BGM+98+20140710140557+9' DTM+137:201407100615:203' NAD+MS+ABC:172:166' TDT+20+0360-001W+1++ABC:172:166:ABC LINE.+++D5CE2:103::SHIP NAME'
Schedule Details	LOC+11+ZADUR:139' DTM+178:201407100430:203'
Message Trailer	UNT+8+8090142'
Interchange Trailer	UNZ+1+80901420'

7.7. *CUSCAR (CUSTOMS CARGO REPORT)*

7.7.1. CUSCAR - OVERVIEW

The CUSCAR message is used for supplying manifest information to SARS electronically. Please refer to the Data Mapping Guide for the type of manifests that may be supplied.

For each CUSCAR message received, SARS will return a CUSRES message with either a Status 6 (Rejected), Status 8 (Accepted) or Status 9 (Duplicate).

Illustration below shows the relationship between EQD and SGP segments.

CNSU0000015

GD1

Size: 20 = 20 ft x 8 ft
Type: 02 = GP Side door(s)
Status: 2 = Export
Service Type:
8 = Full, single consignment (FCL)

CNSU0000057

Size: 20 = 20 ft x 8 ft
Type: 02 = GP Side door(s)
Status: 2 = Export
Service Type: 4 = Empty

CNSU0000099

GD1   GD2   GD3

Size: 20 = 20 ft x 8 ft
Type: 02 = GP Side door(s)
Status: 2 = Export
Service Type:
7 = Full, mixed consignment (LCL)
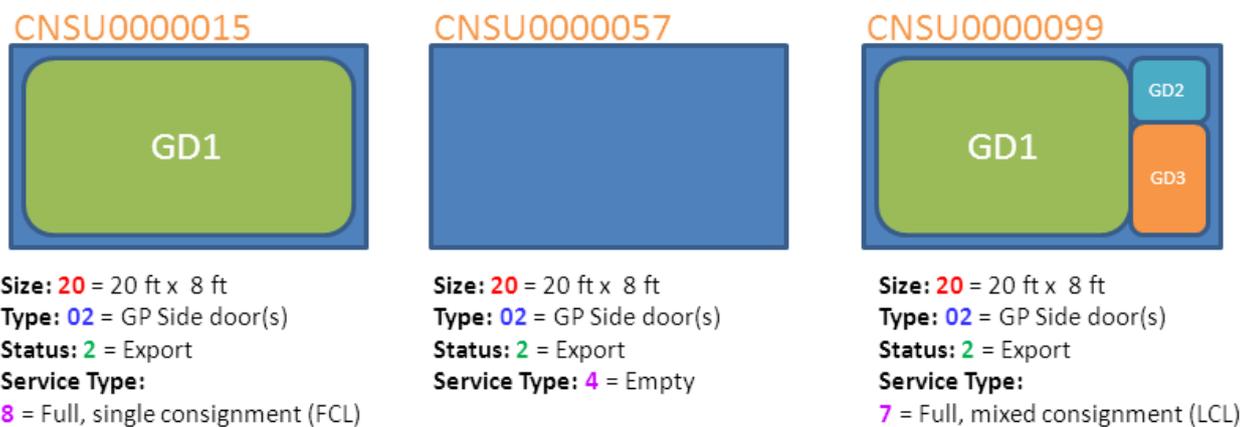
EQD – List of ALL containers and properties related to each container:

```
EQD+CN+CNSU0000015+2002:102:5++2+8'
EQD+CN+CNSU0000057+2002:102:5++2+4'
EQD+CN+CNSU0000099+2002:102:5++2+7'
```

SGP – Link Goods to Specific Container:

```
GID+1+2:BX'
        FTX+AAA++9'
        MEA+AAE+G+KGM:2000'
        SGP+CNSU0000015+1'
        SGP+CNSU0000099+1'
GID+2+1:BX'
        FTX+AAA++9'
        MEA+AAE+G+KGM:100'
        SGP+CNSU0000099+1'
GID+3+1:BX'
        FTX+AAA++9'
        MEA+AAE+G+KGM:500'
        SGP+CNSU0000099+1'
```

7.7.2. CUSCAR - DATA MAPPING GUIDE

	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																		
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
																				1 = COM - Container Master. FCL and LCL Cargo reported by the master cargo carrier on Master Bill Of Lading level/
																				2 = COH - Container House. FCL Groupage Cargo reported by the Groupage operator/ NVOCC on House Bill Of Lading level.
																				3 = BBB - Bulk/Break-bulk Manifest
																				4 = ECL - Empty Container List
																				5 = FFM - Airline Flight Manifest
																				6 = FWB - Air cargo reported on a Master Air waybill
																				7 = HAB - Air cargo reported on House Air waybill
																				8 = RMA - Rail Manifest (Rail Consignment Note)
																				9 = RFM - Road Freight Manifest
																				10 = AQM – Aquital Manifest
UNH	MESSAGE HEADER	M			1	1														To head, identify and specify a message.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	X	X	X	X	X	X	X	X	A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M																		
OO65	Message type	M	an..6	CUSCAR	>A					X	X	X	X	X	X	X	X	X	X	Type of message being transmitted.
OO52	Message version number	M	an..3	D	>A					X	X	X	X	X	X	X	X	X	X	Version number of the message type. If UNG is used, 0052 shall be identical.
OO54	Message release number	M	an..3	95B	>A					X	X	X	X	X	X	X	X	X	X	Release number within the current version number.
OO51	Controlling agency	M	an..2	UN	>A					X	X	X	X	X	X	X	X	X	X	A code to identify the agency controlling the specification, maintenance and publication of the message type.
OO57	Association assigned code	C	an..6	ZZZ01	>A					X	X	X	X	X	X	X	X	X	X	A code assigned by the association responsible for the design and maintenance of the message type.
OO68	COMMON ACCESS REFERENCE	C	an.35																	A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C																		
OO70	Sequence of transfers	M	n..2																	Starts at 1 and is incremented by 1 for each transfer.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
OO73	First and last transfer	C	a1																	C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	BEGINNING OF MESSAGE	M			1	2														To indicate the beginning of a message.
C002	DOCUMENT/MESSAGE NAME	C																		
1001	Document/message name, coded	C	an..3	85 = Customs manifest	>A					X	X	X	X	X	X	X	X	X	X	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
1000	Document/message name	C	an..35	COM = Container Master	>A	14	DOCUMENT TYPE	AN	3	M	M	M	M	M	M	M	M	M	M	
				COH = Container House	>A						X									
				BBB = Break bulk / bulk	>A							X								
				ECL = Empty Container List	>A								X							
				FFM - Airline Flight Manifest	>A									X						
				FWB - Master Air waybill	>A										X					
				HAB = House Air Waybill	>A											X				
				RMA = Rail Manifest	>A												X			
				RFM = Road Freight Manifest	>A													X		
				AQM= Aquital Manifest	>A														X	
1004	DOCUMENT/MESSAGE NUMBER	C	an..35		>A	10	DOCUMENT NUMBER	AN	35	M	M	M	M	M	M	M	M	M	M	A unique reference number assigned to the electronic document.
1225	MESSAGE FUNCTION, CODED	C	an..3	9 = Original	>A	13	MESSAGE FUNCTION	AN	3	M	M	M	M	M	M	M	M	M	M	Used when the manifest is sent the first time.
				4 = Change	>A					X	X	X	X	X	X	X	X	X	X	If a document is amended, the reference number of the original message must be supplied within the following RFF segment, Qualifier ACW. The full manifest as amended must be sent.
				1 = Cancellation	>A					X	X	X	X	X	X	X	X	X	X	If a document is cancelled, the reference number of the original message must be supplied within the following RFF segment, Qualifier ACW.
4343	RESPONSE TYPE, CODED	C	an..3																	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
DTM	**DATE/TIME/PERIOD**	**C**			**9**	**3**														**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M																		
2005	Date/time/period qualifier	M	an..3	137 = Document/message date/time	>A					X	X	X	X	X	X	X	X	X	X	
				136 = Departure date	>B					X	X	X		X	X	X	X			
2380	Date/time/period	C	an..35		>A	956	DOCUMENT DATE	N	8	O	O	O	O	O	O	O	O	O	M	The date the manifest was produced. Insert as CCYYMMDD.
					>B	962	DEPARTURE DATE	N	8	O	O	O		M	M	M	O			Departure Date of the Means Of Transport from the original Departure Port for a particular voyage. For Air, the Flight Date.
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMDD	>AB					X	X	X		X	X	X	X	X	X	
RFF	**REFERENCE**	**C**			**9**	**4**														**To specify a reference.**
C506	REFERENCE	M																		
1153	Reference qualifier	M	an..3	ACW = Reference to a previous message	>A					X	X	X	X	X	X	X	X	X	X	
				LO = Load planning number	>B					X	X	X	X	X	X	X	X	X	X	
				AFB = Cargo manifest number	>C												X			
1154	Reference number	C	an..35		>A	949	DOCUMENT TO BE AMENDED	AN	35	O	O	O	O	O	O	O	O	O	O	Mandatory should this message be an amendment or cancellation to a previous message.
					>B	937	EXTERNAL REFERENCE	AN	35	O	O	O	O	O	O	O	O	O	O	An additional internal reference that may be included by the sender.
					>C		**CARN**	**AN**	**35**									C		**Customs Assigned Reference Number. Number assigned to CUSCAR AFTER Successful validation for MESSAGE FUNCTION = 9. For amendment and cancellation, CARN will be copied from original CUSCAR after successful validation. (Accepted state)**
1156	Line number	C	an..6																	
4000	Reference version number	C	an..35																	
NAD	**NAME AND ADDRESS**	**C**			**9**	**5**														**To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 through 3207.**
3035	PARTY QUALIFIER	M	an..3	RL = Reporting carrier	>A					X	X	X	X	X	X	X		X	X	
				FZ = Grouping centre	>B					X	X	X				X			X	
				MS = Message sender	>C					X	X	X	X	X	X	X	X	X	X	
				AH = Transit principal's agent / representative	>D													X		

CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
				DR = Driver	>E													M		Driver taking truck across border
				FM = Crew member FL = Passenger	>FGHI													O		Repeat for each additional occupant (Max 4)
C082	PARTY IDENTIFICATION DETAILS	C																		
3039	Party id. identification	M	an..35		>A	901	MASTER CARGO CARRIER CODE	AN	35	M	M	M	M	M	M	M	M	M	M	The party that issued the Master Ocean Bill/Master Air Waybill or Master House Bill/Master House Air Waybill in the case of sub-consolidations. For courier cargo where no Master Air Waybill is issued by the carrier the courier must reflect the code 000-. For Air, use the 3 digit numeric IATA Airline Code. For rail the rail carrier code "TFR". For road the code assigned by SARS to the remover / transporter must be reflected.
					>B	935	CARGO CARRIER CODE	AN	35	O	M				O	M			O	The party that issued the House Bill Of Lading/Air Waybill.
					>C	149	MESSAGE SENDER	AN	35	M	M	M	M	M	M	M	M	M	M	The ID of the sender of the EDI message. For Air, use the 3 digit numeric IATA Airline Code. For rail use "TFR"
					>D		FOREIGN REMOVER	AN	35									O		Customs code for foreign transporter. Mandatory where foreign remover transports cargo
					>E		DRIVER TRAVEL DOCUMENT NUMBER	AN	35									M		Driver's Travel Document Number, i.e. please insert the passport number, not the ID number.
					>FGHI		CREW/PASSENGER TRAVEL DOCUMENT NUMBER	AN	35									M		Crew Member's/Passenger's Travel Document Number, i.e. please insert the passport number, not the ID number.
1131	Code list qualifier	C	an..3	172 = Carrier Code	>A					X	X	X	X	X	X	X	X	X	X	
				A = Passport D = Temporary Permit E = Travel Document F = Emergency Travel Certificate L = Departure Permit M = Document for Travel Purposes N = Provisional Permit P = Computer Readable Passport	>EFGHI		TRAVEL DOCUMENT TYPE	AN	3									M		
3055	Code list responsible agency, coded	C	an..3	20 = BIC (Bureau International Des Containeurs)	>ABC					X	X	X	X						X	
				166 = US, National Motor Freight Classification Association (SCAC Code)	>ABC					X	X	X	X						X	
				ZZZ = South African Revenue Service	>ABC					X	X	X	X			X		X	X	
				3 = IATA	>AC									X	X	X				

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
C058	NAME AND ADDRESS	C																		
3124	Name and address line	M	an..35																	
3124	Name and address line	C	an..35																	
3124	Name and address line	C	an..35																	
3124	Name and address line	C	an..35																	
3124	Name and address line	C	an..35																	
C080	PARTY NAME	C																		
3036	Party name	M	an..35		>E		DRIVER SURNAME	AN	35									M		Driver's Surname
					>FGHI		CREW MEMBER/PASSENGER SURNAME	AN	35									M		Crew Member's/Passenger's Surname
3036	Party name	C	an..35		>E		DRIVER FULL NAMES	AN	35									M		Driver's Full Names
					>FGHI		CREW MEMBER/PASSENGER FULL NAMES	AN	35									M		Crew Member's/Passenger's Full Names
3036	Party name	C	an..35		>E		DRIVER RSA ID NUMBER	AN	35									M/O		Driver's RSA ID number. Required if SA Citizen.
					>FGHI		CREW MEMBER/PASSENGER RSA ID NUMBER	AN	35									M/O		Crew Member's/Passenger's RSA ID number. Required if SA Citizen.
3036	Party name	C	an..35		>EFGHI		DRIVER/CREW/PASSENGER ADDITONAL INFORMATION 1	AN	35									M		Travel Document Expiry Date (start=1, length= 8) Format CCYYMMDD Date of Birth (start=9, length=8) Format CCYYMMDD

	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																		

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
3036	Party name	C	an..35		>EFGHI		DRIVER/CREW/ PASSENGER ADDITONAL INFORMATION 2	AN	35									M		**Gender** (start=1, length= 1) F=Female M=Male space=Unknown) **Occupation** (start=2, length=1) G=Trade H=Other **Reason for Movement** (start=3, length=1) D=Work E=Transit **Traveler Type** (start=4, length=3) SVR=Normal South African VBK=Foreign Contract Worker VBV=Normal Foreigner VVP=Permanent Residence Holder **Country Of Residence** (start=7, length=3) ISO 3 character country code, for example ZAF. **Nationality** (start=10, length=3) ISO 3 character country code **Travel Document Country Of Issue** (start=13, length=3) ISO 3 character country code --- **All fields are required** ---
3045	Party name format, coded	C	an..3																	
C059	STREET	C																		
3042	Street and number/p.o. box	M	an..35																	
3042	Street and number/p.o. box	C	an..35																	
3042	Street and number/p.o. box	C	an..35																	
3164	CITY NAME	C	an..35																	
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9																	
3251	POSTCODE IDENTIFICATION	C	an..9																	
3207	COUNTRY, CODED	C	an..3																	
	START OF GROUP 1	C			9															

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
TDT	**DETAILS OF TRANSPORT**	M			1	7														**To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.**
8051	TRANSPORT STAGE QUALIFIER	M	an..3	20 = Main-carriage transport	>A					X	X	X	X	X	X	X	X	X	X	
8028	CONVEYANCE REFERENCE NO	C	an..17		>A	240	CONVEYANCE NUMBER	AN	17	M	M	M	M	M	O	O			M	Voyage number, flight number, trip number etc. of the principal carrier.
C220	MODE OF TRANSPORT	C																		
8067	Mode of transport, coded	C	an..3	SARS Code List 10	>A	180	TRANSPORT CODE	AN	3	M	M	M	M	M	M	M	M	M	M	Applicable numeric main carriage transport code (UN Recommendation 19). Also refer to the SARS Code List 10.
8066	Mode of transport	C	an..17																	
C228	TRANSPORT MEANS	C																		
8179	Type of means of transport identification	C	an..8																	
8178	Type of means of transport	C	an..17																	
C040	CARRIER	C																		
3127	Carrier identification	C	an..17		>A	902	CARRIER CODE	AN	17	M	M	M	M	M	M	M	M	M	M	Party operating the Means Of Transport. For Rail, the Rail Carrier code "TFR". For Road, the Remover / Transporter SARS assigned code. For Air, use the 3 digit numeric IATA Airline Code.
1131	Code list qualifier	C	an..3	172 = Carrier code	>A					X	X	X		X	X	X	X	X	X	
3055	Code list responsible agency, coded	C	an..3	20 = BIC (Bureau International Des Containeurs)	>A					X	X	X							X	
				166 = US, National Motor Freight Classification Association (SCAC Code)	>A															
				3 = IATA	>A										X	X	X			
				ZZZ = South African Revenue Service	>A												X	X		
3128	Carrier name	C	an..35		>A	903	CARRIER NAME	AN	35	O	O	O		O	O	O	O	O	O	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
8101	TRANSIT DIRECTION, CODED	C	an..3																	
C401	EXCESS TRANSPORTATION INFORMATION	C																		
8457	Excess transportation reason, coded	M	an..3																	
8459	Excess transportation responsibility, coded	M	an..3																	
7130	Customer authorization number	C	an..17																	
C222	TRANSPORT IDENTIFICATION	C																		
8213	Id. of means of transport identification	C	an..9		>A	904	TRANSPORT ID	AN	9	M	M	M	M						M	Radio Call Sign/Registration Number of aircraft
1131	Code list qualifier	C	an..3	103 = Call sign directory	>A					X	X	X	X						X	
				146 = Means of transport identification	>A					X	X	X	X				X		X	
3055	Code list responsible agency, coded	C	an..3																	
8212	Id. of the means of transport	C	an..35		>A	241	TRANSPORT NAME	AN	35	O	O	O						M	O	Name of the vessel/aircraft. Road Transport - Characters 1 - 10 must contain the Load Carrying Vehicle or Horse registration number, characters 11 - 20 the Trailer 1 registration number and characters 21 - 30 must contain the Trailer 2 registration number. Should any one of these registration numbers not be required for a particular entry, that Registration Number must be space-filled. For rail..................................
8453	Nationality of means of transport, coded	C	an..3	UNLOCODES	>A	905	TRANSPORT NATIONALITY	AN	3	O	O	O							O	
8281	TRANSPORT OWNERSHIP, CODED	C	an..3																	
LOC	**PLACE/LOCATION ID**	**C**			99	8														**To identify a country/place/location/related location.**
3227	PLACE/LOCATION QUALIFIER	M	an..3	60 = Place of arrival	>A					X	X	X	X	X	X	X			X	
				35 = Country of exportation/dispatch	>B												X	X		
				36 = Country of ultimate destination	>C												X	X		
				17 = Border crossing place	>D												X	X		
				42 = Customs office of exit	>E													X		
C517	LOCATION IDENTIFICATION	C																		

	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
3225	Place/location identification	C	an..25	UN/LOCODE/IATA Location Codes	>A	908	PLACE OF DISCHARGE	AN	5	M	M	M	M	M	M	M			M	
				UN/LOCODE (ISO 3166)	>B		COUNTRY OF EXPORT	A	2								M	M		Use the country UN/LOCODE, e.g. "ZA" for South Africa.
				UN/LOCODE (ISO 3166)	>C		COUNTRY OF DESTINATION	A	2								M	M		Use the country UN/LOCODE, e.g. "MZ" for Mozambique.
				SARS Code List 1	>D		BORDER POST	A	5								M	M		Border post for goods entering and leaving the country.
				SARS Code List 1	>E		PLACE OF EXIT	A	5									O		Place where transit goods are to exit the Republic if different to "Border Post" e.g. Transit goods entered at Beit Bridge (border post)and is to exit at Durban (place of exit)
1131	Code list qualifier	C	an..3	139 = Port	>A					X	X	X	X						X	
				145 = Airport	>A									X	X	X				
				37 = Railway locations	>BCD												X			
				113 = Customs office	> DE													X		
				162 = Country	> BC													X		
3055	Code list responsible agency, coded	C	an..3	6 = UN/ECE (LOCODES)	>ABC					X	X	X	X				X	X	X	
				3 = IATA	>A									X	X	X				
				ZZZ = South African Revenue Service	>DE												X	X		
3224	Place/location	C	an..17																	
C519	RELATED LOCATION ONE IDENTIFICATION	C																		
3223	Related place/location one identification	C	an..25																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
3222	Related place/location one	C	an..70																	
C553	RELATED LOCATION TWO IDENTIFICATION	C																		
3233	Related place/location two identification	C	an..25																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
3232	Related place/location two	C	an..70																	
5479	RELATION, CODED	C	an..3																	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
DTM	**DATE/TIME/PERIOD**	**C**			**99**	**9**														**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M																		
2005	Date/time/period qualifier	M	an..3	232 = Arrival date/time, scheduled	>A									X	X	X	X			
				132 = Estimated arrival date/time	>B					X	X	X	X						X	
2380	Date/time/period	C	an..35		>A		ESTIMATED DATE/TIME OF ARRIVAL	N	12					M	M	M	O			For Rail, the estimated date/time of the means of transport at the border.
					>B	909	ESTIMATED DATE OF ARRIVAL	N	8	M	M	M	M					M	M	For Road the estimated date of arrival of the truck at the border post
2379	Date/time/period format qualifier	C	an..3	203 = CCYYMMDDHHMM	>A									X	X	X	X			
				102 = CCYYMMDD	>B					X	X	X	X					X	X	
	END OF GROUP 1																			
GIS	**GENERAL INDICATOR**	**C**			**9**	**10**														**To transmit a processing indicator.**
C529	PROCESSING INDICATOR	M																		
7365	Processing indicator, coded	M	an..3	22 = Export	>A	910	MANIFEST TYPE	AN	3			M		O	M	M	C	M		Rail: Mandatory if bulk or break bulk (do not supply if containerised)
				23 = Import	>A							X		X	X	X	X	X		
				24 = Transhipment	>A												X			
				28 = Transit	>A							X		X	X	X	X	X		
				ZZZ = Mutually defined - Multiple Procedures	>A												X			To be used where more than one is valid e.g. Import and Transit
				DB = Dry bulk	>B	938	CARGO TYPE INDICATOR	AN	3			M					M	M		
				LB = Liquid bulk	>B							X					X	X		
				BB = Break Bulk	>B							X					X	X		
				CN = Container	>B												X	X		
				MX = Mixed Cargo	>B												X			
1131	Code list qualifier	C	an..3	71 = Nature of transaction	>A							X		X	X	X	X	X		
				122 = Commodity	>B							X					X			
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>B							X					X			
7187	Process type identification	C	an..17																	
	START OF GROUP 2	**C**			**9999**															

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
							CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)													
EQD	EQUIPMENT DETAILS	M			1	11														To identify a unit of equipment.
8053	EQUIPMENT QUALIFIER	M	an..3	CN = Container	>A		EQUIPMENT QUALIFIER	AN	3	M	M		M					M	M	This segment will occur once for each container specified. NOTE: Only Group 2 only required for Containerised Cargo, not required if not containerised.
				RR = Rail car	>A												X			
C237	EQUIPMENT IDENTIFICATION	C																		
8260	Equipment identification number	C	an..17		>A	390	CONTAINER NUMBER/WAGON NUMBER	AN	17	M	M		M					M	M	The container number consists of 11 digits of which the first 4 digits represent the alphabetic code and the next 7 digits represent the numeric number of the container. For rail..
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
3207	Country, coded	C	an..3																	
C224	EQUIPMENT SIZE AND TYPE	C																		
8155	Equipment size and type identification	C	an..10		>A	915/916	CONTAINER SIZE/TYPE	AN	4	M	M		M					O	M	The size and type of the container. Refer to ISO 6346 / ISO 1161
1131	Code list qualifier	C	an..3	102 = Size and type	>A					X	X		X					X	X	
3055	Code list responsible agency, coded	C	an..3	5 = ISO (International Standards Organization)	>A					X	X		X					X	X	
				3 = International Air Transport Association	>A															
8154	Equipment size and type	C	an..35																	
8077	EQUIPMENT SUPPLIER, CODED	C	an..3																	
8249	EQUIPMENT STATUS, CODED	C	an..3	1 = Continental (Transit)	>A	943	CONTAINER STATUS	AN	3	M	M		M					C	M	Rail: Mandatory if containerised cargo
				2 = Export	>A					X	X		X						X	
				3 = Import	>A					X	X		X						X	
				6 = Transhipment	>A					X	X		X						X	
8169	FULL/EMPTY INDICATOR, CODED	C	an..3	4 = Empty	>A	391	SERVICE TYPE	AN	3	M	M		M					C	M	Used to indicate the status of the container. For Rail and Road, mandatory for containerized cargo only.
				5 = Full (FCL Groupage)	>A					X	X		X					X	X	
				7 = Full, mixed consignment (LCL)	>A					X	X							X	X	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
				8 = Full, single consignment (FCL)	>A					X	X						X	X		
MEA	**MEASUREMENTS**	C			9	13														**To specify physical measurements, including dimension tolerances, weights and counts.**
6311	MEASUREMENT APPLICATION QUAL	M	an..3	AAE = Measurement	>A					X	X						X	X		
C502	MEASUREMENT DETAILS	C																		
6313	Measurement dimension, coded	C	an..3	G = Gross weight	>A					X	X						X	X		
6321	Measurement significance, coded	C	an..3																	
6155	Measurement attribute identification	C	an..17																	
6154	Measurement attribute	C	an..70																	
C174	VALUE/RANGE	C																		
6411	Measure unit qualifier	M	an..3	KGM = Kilogram	>A	680	UNIT OF MEASURE	AN	3	M	M						M	M		Use UN/ECE recommendation No 20.
6314	Measurement value	C	an..18		>A	330	GROSS MASS	N	18	M	M						M	M		Gross weight of the cargo within the container, including the packaging, excluding the container. For Rail, the weight of the container is included, i.e. their nett mass.
6162	Range minimum	C	n..18																	
6152	Range maximum	C	n..18																	
6432	Significant digits	C	n..2																	
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3																	
SEL	**SEAL NUMBER**	C			9	15														**To specify a seal number related to equipment.**
9308	SEAL NUMBER	M	an..10		>A	394	SEAL NUMBER	AN	10	M	M						O	M		Should no Seal Number be available, "NO SEAL NO" must be specified within this field. This segment may occur a maximum of four times.
C215	SEAL ISSUER	C																		
9303	Sealing party, coded	C	an..3	CA = Carrier	>A	948	SEALING PARTY	AN	3	O	O						O	O		Mandatory if Seal Number is present
					CU = Customs	>A					X	X						X	X		
					SH = Shipper	>A					X	X						X	X		
					TO = Terminal operator	>A					X	X						X	X		

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
							CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)													
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
9302	Sealing party	C	an..35																	
4517	SEAL CONDITION, CODED	C	an..3																	
	START OF GROUP 3	C			9															
TMP	TEMPERATURE	M			1	18														To specify the temperature setting.
6245	TEMPERATURE QUALIFIER	M	an..3	2 = Transport temperature	>A					X	X									
C239	TEMPERATURE SETTING	C																		
6246	Temperature setting	C	n3		>A	958	TEMPERATURE SETTING	N	3	O	O						O	O		
6411	Measure unit qualifier	C	an..3	CEL = Celsius	>A	959	TEMPERATURE UNIT	AN	3	O	O						O	O		
				FAH = Fahrenheit	>A					X	X						X	X		
	END OF GROUP 3																			
	END OF GROUP 2																			
CNT	CONTROL TOTAL	C			9	20				1	2	3	4	5	6	7	8	9		To provide control totals.
C270	CONTROL	M																		
6069	Control qualifier	M	an..3	16 = Total number of equipment	>A					X	X		X				X	X		
6066	Control value	M	n..18		>A	947	NO OF CONTAINERS/MESSAGE	N	18	M	M		M				M	M		Specify the total number of containers reported within this CUSCAR message.
6411	Measure unit qualifier	C	an..3																	
	START OF GROUP 4	C			9999															
CNI	CONSIGNMENT INFORMATION	M			1	21														To identify one consignment.
1490	CONSOLIDATION ITEM NUMBER	C	n..4		>A	400	MANIFEST LINE ITEM NUMBER	N	4	O	O	O		O	O	O	O	O	M	Sequential number of the Master Transport Document reported within this electronic message, starting at 1 and incrementing by 1 for each Document.
C503	DOCUMENT/MESSAGE DETAILS	C																		

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
1004	Document/message number	C	an..35		>A	906	MASTER TRANSPORT DOCUMENT NUMBER	AN	35	M	M	M		M	M	M	M	M	M	This is the Master Ocean/Air Waybill Number. For sub-consolidated cargo, the house bill of lading issued by the groupage agent must be reflected here. For courier cargo where no master Air Waybill is issued the courier must reflect his house Air Waybill number prefixed by 000-. For Rail, supply the Rail Consignment Note Invoice Number. For road cargo this is the Road Freight Manifest Number must be unique over a two year period. Structure required for Road: Road Haulier (Transporter) code assigned by SARS (8AN) Manifest Number assigned by Road Haulier (Transporter) (AN27)
1373	Document/message status, coded	C	an..3	BOL = Bill of Lading	>A		BILL OF LADING INDICATOR	AN	3		M					M			M	
				PBL = Parent Bill	>A						X					X				Parent Bill of Lading (the House Bill issued to the co-loading agent by the groupage agent)
1366	Document/message source	C	an..35		>A		MASTER TRANSPORT DOCUMENT DATE	N	8	M	M	M		M	M	M	M	M	M	Date to be supplied in format CCYYMMDD.
3453	Language, coded	C	an..3																	
1312	CONSIGNMENT LOAD SEQUENCE NUMBER	C	n..4																	
CNT	**CONTROL TOTAL**	**C**			9	22														**To provide control totals.**
C270	CONTROL	M																		
6069	Control qualifier	M	an..3	16 = Total number of equipment	>A					X	X						X	X		
6066	Control value	M	n..18		>A	929	TOTAL NUMBER OF CONTAINERS/CONSIGNMENT	N	18	O	O						O	M		Specify the total number of containers reported under one master bill.
6411	Measure unit qualifier	C	an..3																	
	START OF GROUP 5	**C**			9999															**For AQM Group 5 to be repeated for each LRN (i.e. one LRN per each occurrence of Group 5)**
RFF	**REFERENCE**	**M**			1	23														**To specify a reference.**
C506	REFERENCE	M																		
1153	Reference qualifier	M	an..3	BM = Bill of lading number	>A						X	X		X	X	X	X	X	X	This indicator must be supplied even though the Bill Of Lading Number is specified as Optional.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
1154	Reference number	C	an..35		>A	912	TRANSPORT DOCUMENT NUMBER	AN	35	M	M	M		M	M	M	M	M	M	In the case of FCL and LCL cargo information submitted by the Master Cargo Carrier, this field will contain the Master Bill Of Lading Number. In the case of FCL Groupage cargo information submitted by the Cargo Carrier, this field will contain the House Bill Of Lading Number. For Air, in the case of a Master Air Waybill in respect of straight cargo, the Master Air Waybill Number will also be reflected here. For air, in the case of consolidated cargo, the groupage agent's House Air Waybill Number will be reflected here. For Air, in respect of sub-consolidations the house Air Waybill Number issued by the sub-consolidator must be reflected here. For Rail, supply the Foreign Railway Invoice Number. For Road, this is the Waybill/Invoice Number issued by the transporter for an individual consignment.
1156	Line number	C	an..6		>A		WAYBILL LINE NUMBER	N	4									M	O	Sequential number assigned to each Waybill/Invoice on the Road Freight Manifest.
4000	Reference version number	C	an..35																	
LOC	**PLACE/LOCATION ID**	**C**			99	26														**To identify a country/place/location/related location.**
3227	PLACE/LOCATION QUALIFIER	M	an..3	8 = Place of destination	>A					X	X	X		X	X	X		X		
				9 = Place/port of loading	>B					X	X	X		X	X	X		X		
				76 = Original port of loading	>C					X	X	X		X	X	X				
				80 = Place of dispatch	>D					X	X	X		X	X	X				
				5 = Place of departure	>E												X			
				11 = Place of discharge	>F												X			
C517	LOCATION IDENTIFICATION	C																		
3225	Place/location identification	C	an..25		>A	914	FINAL DESTINATION	A	5	M	M	M		M	M	M		M		Final destination of the cargo.
					>B	913	PLACE OF LOADING	A	5	M	M	M		M	M	M		M		Place or Port where the cargo was loaded in terms of this manifest.
					>C	961	ORIGINAL PLACE OF LOADING	A	5	O	O	O		O	O	O				Place or Port where the cargo was originally loaded on a pre-carriage.
					>D	957	PLACE OF DESPATCH	A	5	O	O	O		O	O	O				Place where cargo was originally dispatched from the supplier's premises for transportation to SA.
				Spoornet station/siding list	>E	650	FORWARDING LOCATION	AN	25									M		The location number of the place from where the goods are being sent - use the Spoornet code list.
				Spoornet station/siding list	>F	660	DESTINATION LOCATION	AN	25									M		The location number of the place to where the goods are being sent - use the Spoornet code list.
1131	Code list qualifier	C	an..3	139 = Port	>ABCD					X	X	X								
				145 = Airport	>ABC									X	X	X				

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
				37 = Railway locations	>EF												X			
3055	Code list responsible agency, coded	C	an..3	6 = UN/ECE (LOCODES)	>ABCD					X	X	X		X	X	X				
				3 = IATA	>ABC									X	X	X				
				ZZZ = South African Revenue Services	>EF												X			
3224	Place/location	C	an..70		>E	650	FORWARDING LOCATION NAME	AN	70								O			DE 3224 amended from an..17 (D95B) to an..70 (D96B)
					>F	660	DESTINATION LOCATION NAME	AN	70								O			
C519	RELATED LOCATION ONE ID	C																		
3223	Related place/location one id	C	an..25																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
3222	Related place/location one	C	an..70																	
C553	RELATED LOCATION TWO ID	C																		
3233	Related place/location two identification	C	an..25																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
3232	Related place/location two	C	an..70																	
5479	RELATION, CODED	C	an..3																	
GIS	GENERAL INDICATOR	C			9															To transmit a processing indicator
C529	PROCESSING INDICATOR	M																		
7365	Processing indicator, coded	M	an..3	1 = Goods released	>A		CARGO RELEASE STATUS	AN	3								M			
				2 = Goods stopped/ detained	>A															
				3 = Goods may move under Customs transfer (Customs Intervention)- Conditional Release	>A															
				50 =Released to States Warehouse	>A															

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
				51 = Other (Overboard, destroyed, lost etc)	>A															
1131	Code list qualifier	C	an..3	42 = Business function	>A														X	
3055	Code list responsible agency, coded	C	an..3																	
7187	Process type identification	C	an..17				CARGO RELEASE STATUS ADDITIONAL INFORMATION	AN	17										O	
	START OF GROUP 6	C			9															
TDT	DETAILS OF TRANSPORT	M			1	30														To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.
8051	TRANSPORT STAGE QUALIFIER	M	an..3	20 = Main-carriage transport	>A					X	X	X		X	X	X	X	X	X	
8028	CONVEYANCE REFERENCE NO	C	an..17																	
C220	MODE OF TRANSPORT	C																		
8067	Mode of transport, coded	C	an..3																	
8066	Mode of transport	C	an..17																	
C228	TRANSPORT MEANS	C																		
8179	Type of means of transport identification	C	an..8																	
8178	Type of means of transport	C	an..17																	
C040	CARRIER	C																		
3127	Carrier identification	C	an..17																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
3128	Carrier name	C	an..35																	
8101	TRANSIT DIRECTION, CODED	C	an..3																	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
C401	EXCESS TRANSPORTATION INFORMATION	C																		
8457	Excess transportation reason, coded	M	an..3																	
8459	Excess transportation responsibility, coded	M	an..3																	
7130	Customer authorization number	C	an..17																	
C222	TRANSPORT IDENTIFICATION	C																		
8213	Id. of means of transport identification	C	an..9																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
8212	Id. of the means of transport	C	an..35																	
8453	Nationality of means of transport, coded	C	an..3																	
8281	TRANSPORT OWNERSHIP, CODED	C	an..3																	
RFF	**REFERENCE**	**M**			**9**	**33**														**To specify a reference.**
C506	REFERENCE	M																		
1153	Reference qualifier	M	an..3	LO = Load planning number	>A					X	X	X		X	X	X	X	X		
				ABT = Customs declaration number	> B														O	
				AFM = Secondary Customs reference	> C														O	M
				XP = Previous cargo control number	> D					O	O	O	O	O	O	O	O	O		
				UCN = Unique Consignment Number	> E					O	O	O	O	O	O	O	O	O		
1154	Reference number	C	an..35		>A	937	EXTERNAL REFERENCE	AN	35	O	O	O		O	O	O	O	O		An additional internal reference that may be included by the sender.
					> B		LRN EXIT	AN	35										O	LRN Exit. Mandatory for goods cleared for export
					> C		LRN/**MRN** ENTRY	AN	35										O	M	LRN **(RFM)/MRN (AQM)** entry. Mandatory for goods cleared for import
					> D		PREVIOUS MODALITY TRANSPORT DOCUMENT NUMBER	AN	35										O	For multimodal consignments, the previous modality's transport document number
					> E		UCR (Unique Consignment Reference)	AN	35	O	O	O			O	O	O	O		UCR as originally assigned by the Trader.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
1156	Line number	C	an..6																	
4000	Reference version number	C	an..35																	
	END OF GROUP 6																			
	START OF GROUP 7	C			99															
NAD	NAME AND ADDRESS	M			1	34														To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 through 3207.
3035	PARTY QUALIFIER	M	an..3	CZ = Consignor	>A					X	X	X				X	X			
				CN = Consignee	>B					X	X	X				X	X			
				FW = Freight forwarder	>C					X	X	X				X	X			
				N1 = Notify party 1	>D					X	X	X				X				
				N2 = Notify party 2	>E					X	X	X				X				
C082	PARTY IDENTIFICATION DETAILS	C																		
3039	Party id. identification	M	an..35																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C058	NAME AND ADDRESS	C																		
3124	Name and address line	M	an..35		>A	917	CONSIGNOR NAME	AN	35	M	M	M			M	M	M			Name of the consignor/shipper.
					>B	163	CONSIGNEE NAME	AN	35	M	M	M			M	M	M			Name of the consignee. In the case of a "to order" consignment, the words "TO ORDER" must be reflected within this field.
					>C	963	FREIGHT FORWARDER NAME	AN	35	O	O	O			O	O	O			Name of the freight forwarder.
					>D	922	NOTIFY PARTY ONE - NAME	AN	35	O	O	O			O	O	O			Name of the notify party one.
					>E	968	NOTIFY PARTY TWO NAME	AN	35	O	O	O			O	O	O			Name of the notify party two.
3124	Name and address line	C	an..35		>A	918	CONSIGNOR ADDRESS LINE - 1	AN	35	M	M	M			M	M	M			Address line 1 of the consignor/shipper. When no address is available, the word "NO ADDRESS SUPPLIED" must be reflected within this field.
					>B	165	CONSIGNEE ADDRESS LINE - 1	AN	35	M	M	M			M	M	M			Address line 1 of the consignee. When no address is available, the word "NO ADDRESS SUPPLIED" must be reflected within this field.
					>C	964	FREIGHT FORWARDER ADDRESS-1	AN	35	O	O	O			O	O	O			Address line 1 of the freight forwarder.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)
					>D	923	NOTIFY PARTY ONE ADDRESS-1	AN	35	O	O	O			O	O	O			Address line 1 of the notify party one.
					>E	969	NOTIFY PARTY TWO ADDRESS-1	AN	35	O	O	O			O	O	O			Address line 1 of the notify party two.
3124	Name and address line	C	an..35		>A	919	CONSIGNOR ADDRESS LINE - 2	AN	35	O	O	O			O	O	O			Address line 2 of the consignor/shipper.
					>B	167	CONSIGNEE ADDRESS LINE - 2	AN	35	O	O	O			O	O	O			Address line 2 of the consignee.
					>C	965	FREIGHT FORWARDER ADDRESS-2	AN	35	O	O	O			O	O	O			Address line 2 of the freight forwarder.
					>D	924	NOTIFY PARTY ONE ADDRESS-2	AN	35	O	O	O			O	O	O			Address line 2 of the notify party one.
					>E	970	NOTIFY PARTY TWO ADDRESS-2	AN	35	O	O	O			O	O	O			Address line 2 of the notify party two.
3124	Name and address line	C	an..35		>A	920	CONSIGNOR ADDRESS LINE - 3	AN	35	O	O	O			O	O	O			Address line 3 of the consignor/shipper.
					>B	169	CONSIGNEE ADDRESS LINE - 3	AN	35	O	O	O			O	O	O			Address line 3 of the consignee.
					>C	966	FREIGHT FORWARDER ADDRESS-3	AN	35	O	O	O			O	O	O			Address line 3 of the freight forwarder.
					>D	925	NOTIFY PARTY ONE ADDRESS-3	AN	35	O	O	O			O	O	O			Address line 3 of the notify party one.
					>E	971	NOTIFY PARTY TWO ADDRESS-3	AN	35	O	O	O			O	O	O			Address line 3 of the notify party two.
3124	Name and address line	C	an..35		>A	921	CONSIGNOR ADDRESS LINE - 4	AN	35	O	O	O			O	O	O			Address line 4 of the consignor/shipper.
					>B	172	CONSIGNEE ADDRESS LINE - 4	AN	35	O	O	O			O	O	O			Address line 4 of the consignee.
					>C	967	FREIGHT FORWARDER ADDRESS-4	AN	35	O	O	O			O	O	O			Address line 4 of the freight forwarder.
					>D	926	NOTIFY PARTY ONE ADDRESS-4	AN	35	O	O	O			O	O	O			Address line 4 of the notify party one.
					>E	972	NOTIFY PARTY TWO ADDRESS-4	AN	35	O	O	O			O	O	O			Address line 4 of the notify party two.
C080	PARTY NAME	C																		
3036	Party name	M	an..35																	
3036	Party name	C	an..35																	
3036	Party name	C	an..35																	
3036	Party name	C	an..35																	
3036	Party name	C	an..35																	
3045	Party name format, coded	C	an..3																	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
C059	STREET	C																		
3042	Street and number/p.o. box	M	an..35																	
3042	Street and number/p.o. box	C	an..35																	
3042	Street and number/p.o. box	C	an..35																	
3164	CITY NAME	C	an..35																	
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9																	
3251	POSTCODE IDENTIFICATION	C	an..9																	
3207	COUNTRY, CODED	C	an..3																	
	END OF GROUP 7																			
	START OF GROUP 10	M			9999															
GID	**GOODS ITEM DETAILS**	M			1	40														**To indicate totals of a goods item.**
1496	GOODS ITEM NUMBER	C	n..5		>A	401	GOODS LINE NUMBER	N	5	M	M	M			M	M	M	M	**M**	Sequential goods line number in respect of the goods for this consignment, starting at 1 and incrementing by 1 for each line. If cargo is vehicles, each vehicle must be reflected as a separate repeat of Group 10 with Description in FTX segment, VIN number in PCI segment and VN as type of package in GID segment. If more than one type of hazardous cargo, repeat Group 10 for each type of hazardous cargo. **For AQM supply default value of "1" as Group 10 is mandatory.**
C213	NUMBER AND TYPE OF PACKAGES	C																		
7224	Number of packages	C	n..8		>A	290	NUMBER OF PACKAGES	N	8	M	M	O / M		M	M	M	O	M		Mandatory for Break Bulk.
7065	Type of packages identification	C	an..17	UN Recommendation 21	>A	927	TYPE OF PACKAGES	AN	17	M	M	O / M			O	O	O	M		Mandatory for Break Bulk. Use VN (Vehicle) for vehicles as cargo
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
																				CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)
7064	Type of packages	C	an..35																	
C213	NUMBER AND TYPE OF PACKAGES	C																		
7224	Number of packages	C	n..8																	
7065	Type of packages identification	C	an..17																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
7064	Type of packages	C	an..35																	
C213	NUMBER AND TYPE OF PACKAGES	C																		
7224	Number of packages	C	n..8																	
7065	Type of packages identification	C	an..17																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
7064	Type of packages	C	an..35																	
FTX	**FREE TEXT**	**C**			99	43														**To provide free form or coded text information.**
4451	TEXT SUBJECT QUALIFIER	M	an..3	AAA = Goods description	>A					X	X	X		X	X	X	X	X		
4453	TEXT FUNCTION, CODED	C	an..3																	
C107	TEXT REFERENCE	C																		
4441	Free text identification	M	an..17	5 = Part Shipment			CARGO STATUS INDICATOR	AN	3										M	Indicator whether item on goods declaration is transferred partially or fully on this manifest.
				9 = Full Shipment															X	
				10 = Final Part of Part Shipment															X	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C108	TEXT LITERAL	C																		
4440	Free text	M	an..70		>A	701	DESCRIPTION OF GOODS - 1	AN	70	M	M	M		M	M	M	M	O		A full description of the goods on the consignment. Required if cargo is motor vehicles

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
4440	Free text	C	an..70		>A	701	DESCRIPTION OF GOODS - 2	AN	70	O	O	O		O	O	O	O			A full description of the goods on the consignment.
4440	Free text	C	an..70		>A	701	DESCRIPTION OF GOODS - 3	AN	70	O	O	O		O	O	O	O			A full description of the goods on the consignment.
4440	Free text	C	an..70		>A	701	DESCRIPTION OF GOODS - 4	AN	70	O	O	O		O	O	O	O			A full description of the goods on the consignment.
4440	Free text	C	an..70		>A	701	DESCRIPTION OF GOODS - 5	AN	70	O	O	O		O	O	O	O			A full description of the goods on the consignment.
3453	LANGUAGE, CODED	C	an..3																	
MEA	MEASUREMENTS	C			99	44														To specify physical measurements, including dimension tolerances, weights and counts.
6311	MEASUREMENT APPLICATION QUALIFIER	M	an..3	AAE = Measurement	>AB					X	X	X		X	X	X	X	X		
C502	MEASUREMENT DETAILS	C																		
6313	Measurement dimension, coded	C	an..3	AAW = Gross volume	>A					X	X	X		X	X	X	X	X		
				G = Gross weight	>B					X	X	X		X	X	X	X	X		
6321	Measurement significance, coded	C	an..3																	
6155	Measurement attribute identification	C	an..17																	
6154	Measurement attribute	C	an..70																	
C174	VALUE/RANGE	C																		
6411	Measure unit qualifier	M	an..3	MTQ = Cubic metre	>A	680	UNIT OF MEASURE (VOLUME)	AN	3	O	O	O		O	O	O	O	O		Use UN/ECE recommendation No 20.
				LTR = Litre	>A					X	X	X		X	X	X	X	X		Use UN/ECE recommendation No 20.
				KGM = Kilogram	>B	680	UNIT OF MEASURE (MASS)	AN	3	M	M	M		M	M	M	M	M		Use UN/ECE recommendation No 20.
6314	Measurement value	C	n..18		>A	411	GROSS VOLUME	N	18	O	O	O		O	O	O	O	O		Gross volume of the item described.
					>B	330	GROSS MASS	N	18	M	M	M		M	M	M	M	M		Gross mass of the item described.
6162	Range minimum	C	n..18																	
6152	Range maximum	C	n..18																	
6432	Significant digits	C	n..2																	
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3																	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																			
SGP	**SPLIT GOODS PLACEMENT**	**C**			99	46														**To specify the placement of goods in relation to equipment.**
C237	EQUIPMENT IDENTIFICATION	M																		
8260	Equipment identification number	C	an..17		>A	390	CONTAINER NUMBER/WAGON NUMBER	AN	17	M	M							M		Specify in which container(s) the goods are NOTE: SGP only required for Containerised Cargo, not required if not containerised.
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
3207	Country, coded	C	an..3																	
7224	NUMBER OF PACKAGES	C	n..8		>A	290	NUMBER OF PACKAGES	N	8	M	M									The actual number of packages in the container.
DGS	**DANGEROUS GOODS**	**C**			9	47														**To identify dangerous goods.**
8273	DANGEROUS GOODS REG, CODED	C	an..3	IMD = IMO IMDG Code	>A					X	X	X					X	X		
				ICA = IATA ICAO (International Air Transport Association and the International Civil Aviation Organisation)	>A											X				
C205	HAZARD CODE	C																		
8351	Hazard code identification	M	an..7		>A	973	DANGEROUS GOODS CODE/CLASS	AN	7	O	O	O			O	O	O	O		For Sea, use IMO IMDG Code. For Air, use IATA Dangerous Goods Code.
8078	Hazard substance/item/page number	C	an..7		>A	974	IMO PAGE NUMBER	AN	7	O	O	O					O	O		
8092	Hazard code version number	C	an..10		>A	975	HAZARDOUS CODE VERSION NO	AN	10	O	O	O					O	O		
C234	UNDG INFORMATION	C																		
7124	UNDG number	C	n4		>A	976	UNDG NUMBER	N	4	O	O	O					O	O		Mandatory if Hazardous Cargo.
7088	Dangerous goods flashpoint	C	an..8																	
C223	DANGEROUS GOODS SHIPMENT FLASHPOINT	C																		
7106	Shipment flashpoint	C	n3		>A	977	SHIPMENT FLASHPOINT	N	3	O	O	O					O	O		
6411	Measure unit qualifier	C	an..3	CEL = Celsius	>A	978	FLASHPOINT MEASURE UNIT	AN	3	O	O	O					O	O		
				FAH = Fahrenheit	>A															

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)
8339	PACKING GROUP, CODED	C	an..3	1 = Great danger	>A	979	PACKING GROUP	AN	3	O	O	O					O	O		
				2 = Medium danger	>A															
				3 = Minor danger	>A															
8364	EMS NUMBER	C	an..6		>A	980	EMS NUMBER	AN	6	O	O	O					O	O		
8410	MFAG	C	an..4		>A	981	MEDICAL FIRST AID GUIDE	AN	4	O	O	O					O	O		
8126	TREM CARD NUMBER	C	an..10																	
C235	HAZARD IDENTIFICATION	C																		
8158	Hazard identification number, upper part	C	an..4																	
8186	Substance identification number, lower part	C	an4																	
C236	DANGEROUS GOODS LABEL	C																		
8246	Dangerous goods label marking	C	an..4																	
8246	Dangerous goods label marking	C	an..4																	
8246	Dangerous goods label marking	C	an..4																	
8255	PACKING INSTRUCTION, CODED	C	an..3																	
8325	CATEGORY OF MEANS OF TRANSPORT, CODED	C	an..3																	
8211	PERMISSION FOR TRANSPORT, CODED	C	an..3																	
PCI	PACKAGE IDENTIFICATION	C			9	48														To specify markings and labels on individual packages or physical units.
4233	MARKING INSTRUCTIONS, CODED	C	an..3	24 = Shipper assigned	>A					X	X	X					X	X		
C210	MARKS & LABELS	C																		

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
							CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)													
7102	Shipping marks	M	an..35		>A	340	MARKS AND NUMBERS - 1	AN	35	M	M	M/O					O	O		Mandatory for Break Bulk, Sea and Air. Optional for Road. When cargo is motor vehicle must be "VIN=" followed by VIN number
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 2	AN	35	O	O	O					O	O		
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 3	AN	35	O	O	O					O	O		
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 4	AN	35	O	O	O					O	O		
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 5	AN	35	O	O	O					O	O		
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 6	AN	35	O	O	O					O	O		
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 7	AN	35	O	O	O					O	O		
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 8	AN	35	O	O	O					O	O		
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 9	AN	35	O	O	O					O	O		
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 10	AN	35	O	O	O					O	O		
8275	CONTAINER/PACKAGE STATUS, CODED	C	an..3																	
C827	TYPE OF MARKING	C																		
7511	Type of marking, coded	M	an..3																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
CST	**CUSTOMS STATUS OF GOODS**	**C**			1	49														**To specify goods in terms of customs identities, status and intended use.**
1496	GOODS ITEM NUMBER	C	n..5																	
C246	CUSTOMS IDENTITY CODES	C																		
7361	Customs code identification	M	an..18		>A	460	COMMODITY CODE NUMBER	AN	18	O	O	O					O	O		Six H.S. Digit Tariff Code.
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C246	CUSTOMS IDENTITY CODES	C																		
7361	Customs code identification	M	an..18																	
1131	Code list qualifier	C	an..3																	

	CUSCAR (D95B) DATA MAPPING GUIDE (V23e – 2016/04/13)																				
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	1	2	3	4	5	6	7	8	9	10	REMARKS
3055	Code list responsible agency, coded	C	an..3																	
C246	CUSTOMS IDENTITY CODES	C																		
7361	Customs code identification	M	an..18																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C246	CUSTOMS IDENTITY CODES	C																		
7361	Customs code identification	M	an..18																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C246	CUSTOMS IDENTITY CODES	C																		
7361	Customs code identification	M	an..18																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
	END OF GROUP 10																			
	END OF GROUP 5																			
	END OF GROUP 4																			
UNT	**MESSAGE TRAILER**	M			1	57														**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN THE MESSAGE	M	n..6		>A			X	X	X	X	X	X	X	X	X	X	X		Control count including UNH and UNT.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A			X	X	X	X	X	X	X	X	X	X	X		Shall be identical to 0062 in UNH.
	END OF CUSCAR MESSAGE																			

7.7.3. CUSCAR - BRANCHING DIAGRAM

7.7.4.   CUSCAR – DATA MODEL

```
                          ┌─────────────┐
                          │  Manifest   │     BGM, DTM, RFF, NAD,
                          │   Header    │     Grp1(TDT, LOC, DTM),GIS,CNT
                          └─────────────┘
          ┌──────────────────────┼──────────────────────┐
  ┌─────────────┐        ┌─────────────┐        ┌─────────────┐
  │Driver & Crew│        │ Container(s)│        │Master Bill of│   Grp4(CNI,CNT)
  │             │        │             │        │   Lading     │
  └─────────────┘        └─────────────┘        └─────────────┘
```

NAD+DR x 1 (Driver)   Grp2(EQD,MEA,SEL,
NAD+FM x 4 (Crew)   Grp3(TMP))

```
                                             ┌─────────────┐
                                             │Bill of Lading│   Grp5(RFF+BM,LOC,GIS,
                                             │              │   Grp6(TDT,RFF),Grp7(NAD))
                                             └─────────────┘
                                             ┌─────────────┐
                                             │Bail of Lading│   Grp10(GID,FTX,MEA,DGS,
                                             │    Line      │   PCI,CST)
                                             └─────────────┘
                                             ┌─────────────┐
                                             │  Container   │   Grp10(SGP)
                                             │  Location    │
                                             └─────────────┘
```
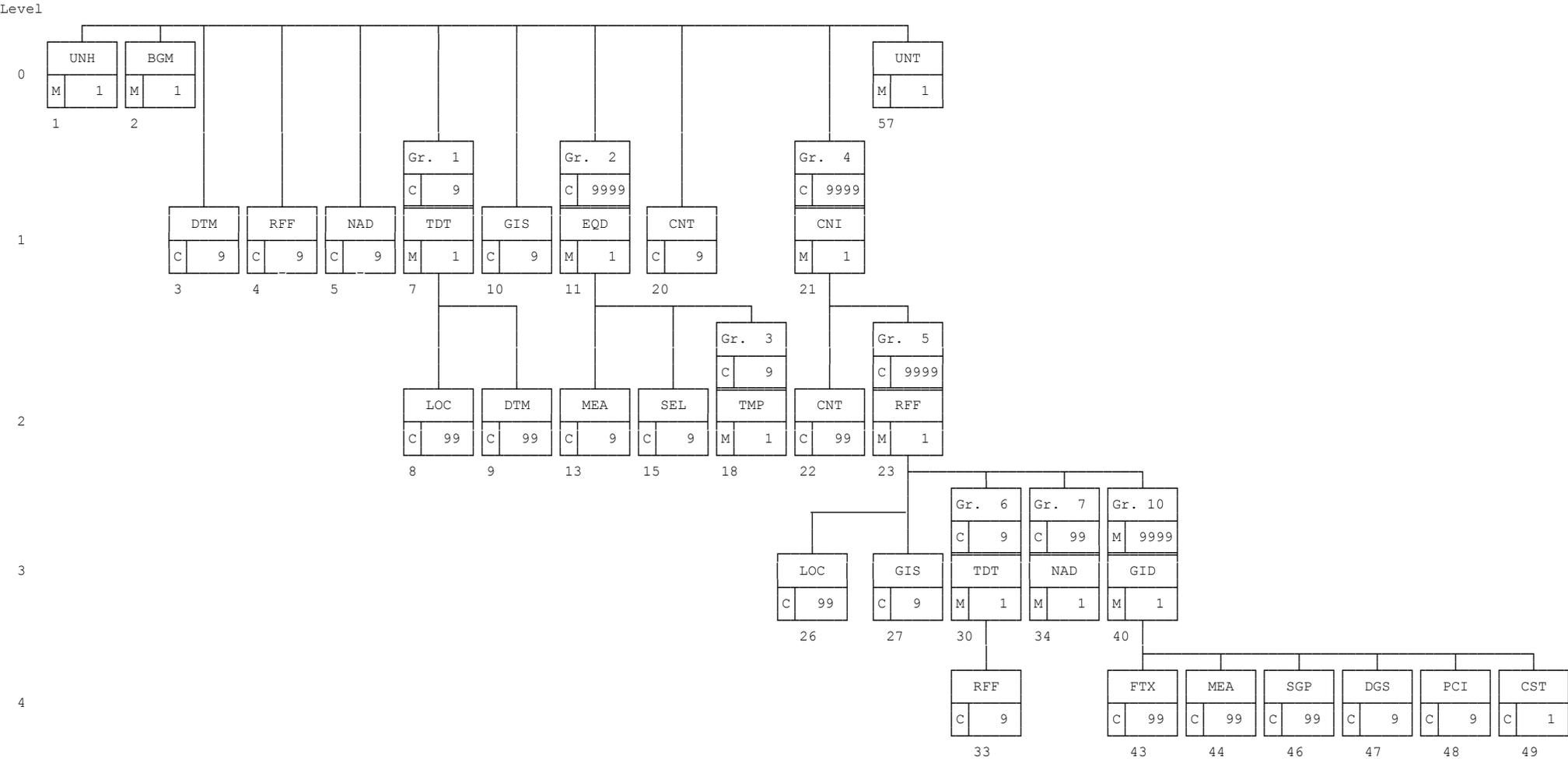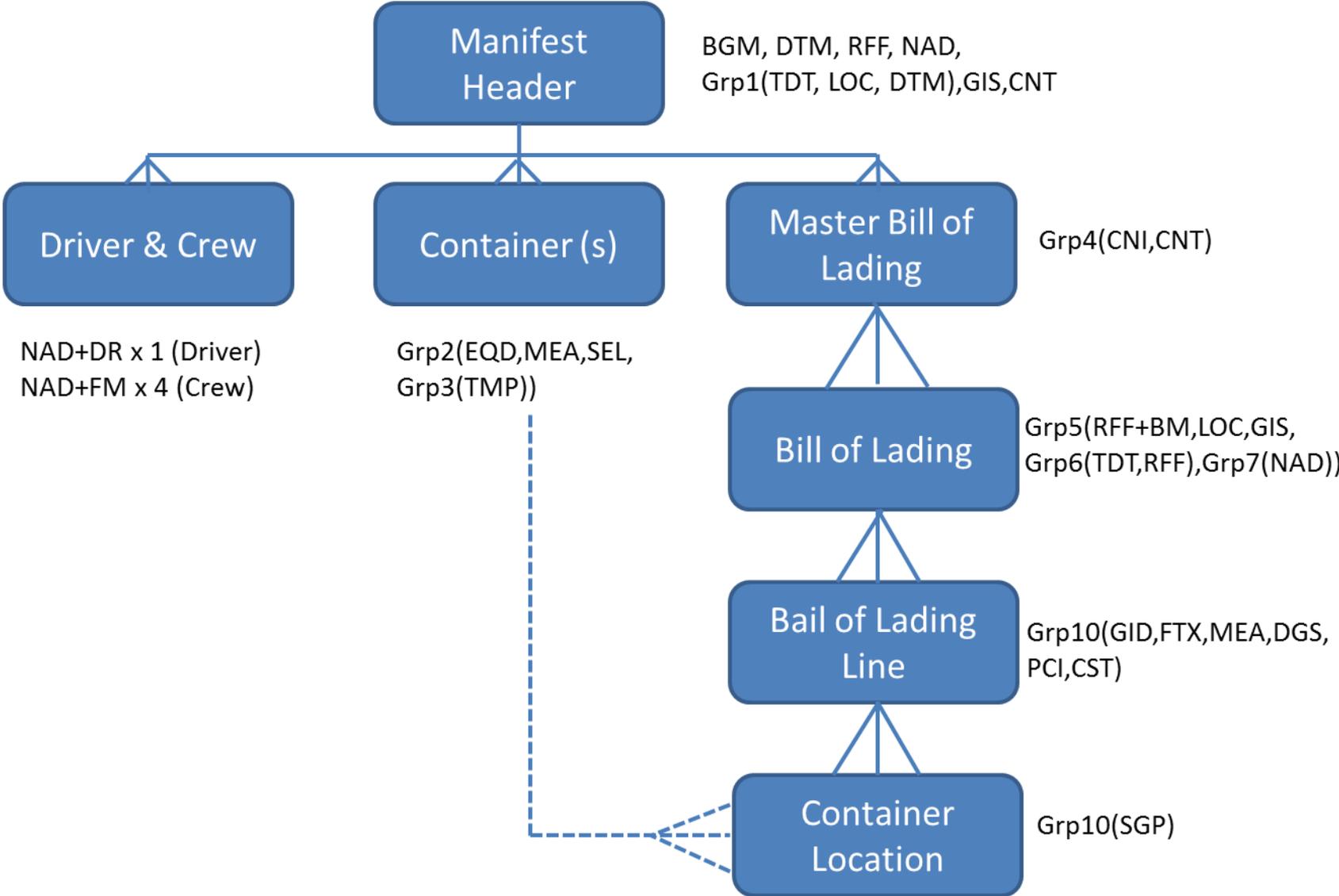
7.7.5. CUSCAR – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
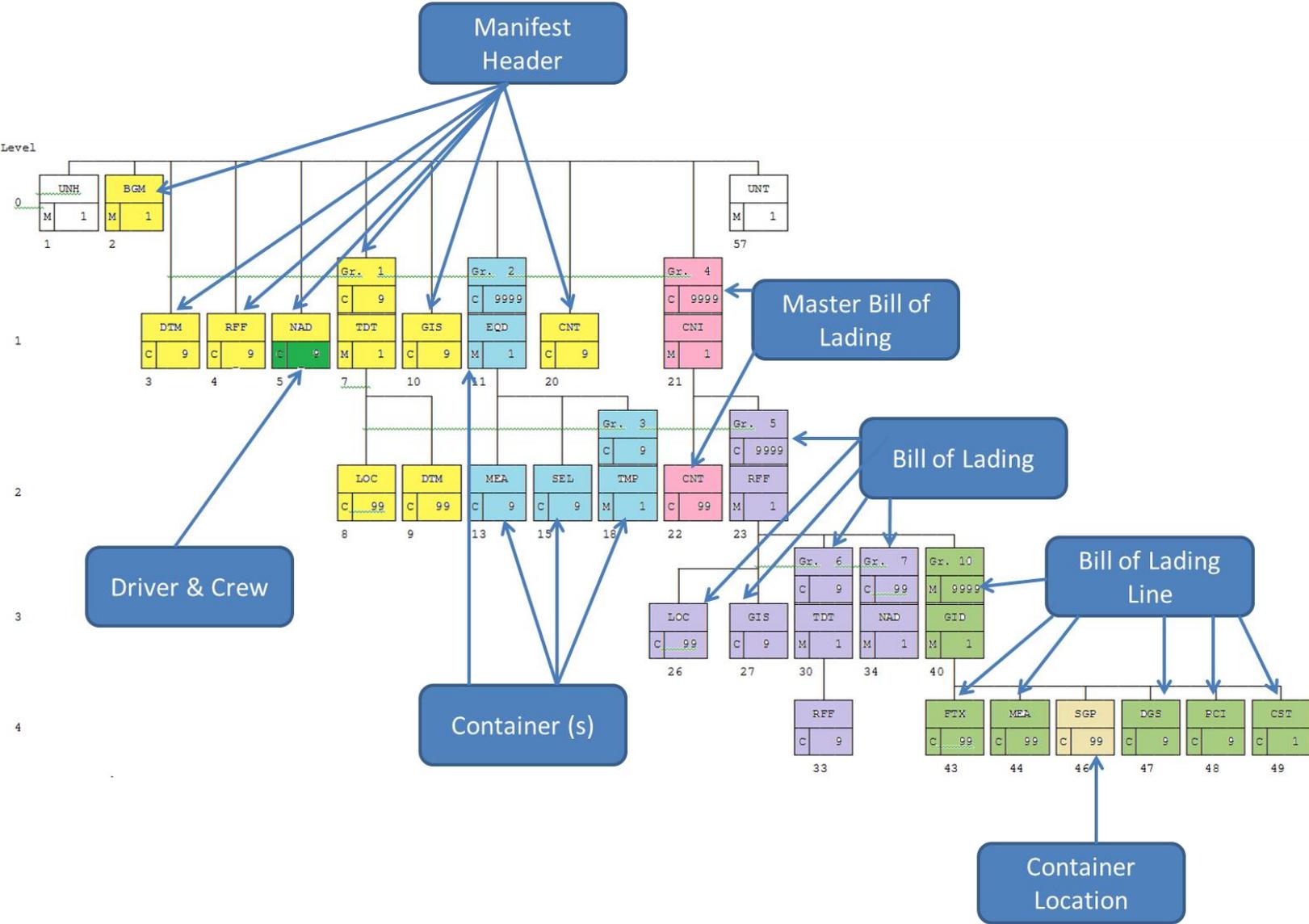
7.7.6. CUSCAR - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI CUSCAR interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+ACME+SARSCAR+20141010:0752+110+AAAAAAAAAAAAAA:BB+CUSCAR+++112345678+1'
Message Header	UNH+000000155+CUSCAR:D:95B:UN:ZZZ01'
Header Data	BGM+85:::RFM+10001+9' DTM+137:20141010:102' RFF+LO:EXT. REF 123' NAD+RL+11111111:172:ZZZ' NAD+MS+12345678::ZZZ' NAD+AH+22222222:172:ZZZ' NAD+DR+PASS1:::ZA++POGENPOEL:PETRUS GEHARDUS:IDNUM:::::ZA' NAD+FM+PASS2:::ZM++SIBANDA:GIFT:::::ZM' NAD+FM+PASS3:::MZ++DA SILVA:JOACHIM::::::MZ' NAD+FM+PASS4:::NA++SCHMIDT:MANFRED::::::NA' TDT+20++3++11111111:172:ZZZ:ACME ROAD FREIGHT+++:::ABC123GP DEF456GP GHI789GP ' LOC+35+MZ::6' LOC+36+ZA::6' LOC+17+KOM::ZZZ' LOC+42+DBN::ZZZ' DTM+132:20141011:102' GIS+ZZZ:71' GIS+MX:122:ZZZ'
Container / Equipment Data **(Group 2)**	EQD+CN+AZLU2400546+2200:102:5++1+7' MEA+AAE+G+KGM:11956' SEL+895+SH' EQD+CN+CPSU4019476+4200:102:5++1+5' MEA+AAE+G+KGM:19185' SEL+F176072+SH' EQD+CN+FSCU3536932+2200:102:5++3+5' MEA+AAE+G+KGM:9953.000' SEL+15812+SH' TMP+2+01.8:CEL' CNT+16:3'
Master Transport Document Details **(Group 4)**	CNI+1+11111111201201201234567890::20110902' CNT+16:2'

Transport Document Details (Group 5 occurrence 1)	RFF+BM:WAYBILL123:1' LOC+9+MZMPM::6' LOC+8+ZADUR::6'
External Reference and MRN(s) (Group 6)	TDT+20' RFF+LO:EXTREF567' RFF+ABT:12345678KOM20110901123456' RFF+AFM:12348765KOM20110901123456'
Goods details (Group 10)	GID+1+1:BX' MEA+AAE+G+KGM:11956' SGP+CPSU4019476' DGS+IMD++3264+-020:FAH+3+1-06+A6+123'
Next Transport Document Details (Group 5 occurrence 2)	RFF+BM:WAYBILL456:1' LOC+9+MZMPM::6' LOC+8+ZADUR::6'
External Reference and MRN(s) (Group 6)	TDT+20' RFF+LO:EXTREF890' RFF+ABT:87654321KOM20110901123456' RFF+AFM:12348765DUR20110905123456'
Goods details (Group 10) Vehicles as Cargo	GID+1+1:VN' FTX+AAA+++GOGAMOBIEL GSX3 YELLOW 1943' MEA+AAE+G+KGM:1156' PCI+24+VIN=XDFRTY7890' GID+2+1:VN' FTX+AAA+++GOGAMOBIEL GSX3 RED 1941' MEA+AAE+G+KGM:1156' PCI+24+VIN=FXYTRSH647'
Next Transport Document Details (Group 5 occurrence 3)	RFF+BM:WAYBILL999:1' LOC+9+MZMPM::6' LOC+8+ZAPRY::6'
External Reference and MRN(s) (Group 6)	TDT+20' RFF+LO:EXTREF345' RFF+AFM:12345678KOM20110901543551'
Goods details (Group 10)	GID+1+1:BX' MEA+AAE+G+KGM:11956' SGP+FSCU3536932+3' DGS+IMD++3264+-020:FAH+3+1-06+A6+123'
Message Trailer	UNT+65+000000155'
Interchange Trailer	UNZ+1+110'

7.8. *COARRI (CONTAINER DISCHARGE/LOADING REPORT)*

7.8.1. COARRI - OVERVIEW

The COARRI message is used by the South African Port Operations (SAPO) to transfer discharge and load information electronically to SARS. For Imports, once the goods are off-loaded from the vessel, this information is transmitted and on Exports, once the goods have been loaded onto the vessel, this data is transferred.

For each COARRI message received, SARS could return a CUSRES message with a Status 6 (Rejected), Status 8 (Accepted) or Status 9 (Duplicate).

7.8.2. COARRI - DATA MAPPING GUIDE

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
												DS = Discharge List
												LD = Load List
UNH	MESSAGE HEADER	M			1							To head, identify and specify a message.
0062	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M										
0065	Message type identifier	M	an..6	COARRI	>A					X	X	Type of message being transmitted.
0052	Message type version number	M	an..3	D	>A					X	X	Version number of the message type. If UNG is used, 0052 shall be identical.
0054	Message type release number	M	an..3	95B	>A					X	X	Release number within the current version number.
0051	Controlling agency	M	an..2	UN	>A					X	X	A code to identify the agency controlling the specification, maintenance and publication of the message type.
0057	User Manual Version	C	an..5	ITG12	>A					X	X	A code assigned by the association responsible for the design and maintenance of the message type.
0068	ADDITIONAL MESSAGE REFERENCE	C	an..35									A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C										
OO70	Sequence of transfers	M	n..2									Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1									C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	BEGINNING OF MESSAGE	M			1							To indicate the beginning of a message.
C002	DOCUMENT/MESSAGE NAME	C										
1001	Document name, coded	C	an..3	98 = Arrival information	>A	964	DOCUMENT TYPE	AN	3	M		
				270 = Loading report	>A						M	
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
1000	Document name	C	an..35									
1004	DOCUMENT NUMBER	C	an..35		>A	10	DOCUMENT NUMBER	AN	35	M	M	A unique reference number assigned to the electronic document.

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)												
1225	MESSAGE FUNCTION, CODED	C	an..3	9 = Original	>A	13	MESSAGE FUNCTION	AN	3	M	M	
				22 = Final transmission	>A					X	X	
4343	RESPONSE TYPE, CODED	C	an..3									
START OF GROUP 1		**M**			1							**Header vessel Information.**
TDT	DETAILS OF TRANSPORT	M			1							**Transport Details such as mode of transport, means of transport, it's conveyance reference number and identification of means of transport**
8051	TRANSPORT STAGE QUALIFIER	M	an..3	20 = Main carriage	>A					X	X	
8028	CONVEYANCE REFERENCE NUMBER	C	an..17		>A	240	CONVEYANCE NUMBER	AN	17	M	M	
C220	MODE OF TRANSPORT	C										
8067	Mode of transport, coded	C	an..3	SARS Code List 10	>A	180	TRANSPORT CODE	AN	3	M	M	
8066	Mode of transport	C	an..17									
C228	TRANSPORT MEANS	C										
8179	Type of means of transport id	C	an..8									
8178	Type of means of transport	C	an..17									
C040	CARRIER	C										
3127	Carrier identification	C	an..17		>A	902	CARRIER CODE	AN	17	M	M	
1131	Code list qualifier	C	an..3	172 = Carrier code	>A					X	X	
3055	Code list responsible agency, coded	C	an..3	20 = BIC	>A					X	X	
				87 = Assigned by carrier	>A					X	X	
				166 = US, National Motor Freight Classification Association (SCAC Code)	>A					X	X	
3128	Carrier name	C	an..35									
8101	TRANSIT DIRECTION, CODED	C	an..3									

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)												
C401	EXCESS TRANSPORTATION INFO	C										
8457	Excess transportation reason, coded	M	an..3									
8459	Excess transport responsibility, coded	M	an..3									
7130	Customer authorization number	C	an..17									
C222	TRANSPORT IDENTIFICATION	C										
8213	Id of means of transport identification	C	an..9		>A	904	TRANSPORT ID	AN	9	M	M	Use the vessel call sign etc.
1131	Code list qualifier	C	an..3	103 = Radio call sign	>A					X	X	
				146 = Lloyd's register of ships	>A					X	X	
3055	Code list responsible agency, coded	C	an..3									
8212	Id of means of transport	C	an..35		>A	241	TRANSPORT NAME	AN	35	O	O	
8453	Nationality of means of transport	C	an..3									
8281	TRANSPORT OWNERSHIP CODED	C	an..3									
LOC	PLACE/LOCATION IDENTIFICATION	C			9							To identify a country /place /location /related location one /related location two
3227	PLACE/LOCATION QUALIFIER	M	an..3	11 = Operational port of discharge	>A					X		
				9 = Operational port of loading	>A						X	
C517	LOCATION IDENTIFICATION	C										
3225	Place/Location Identification	C	an..25	UNLOCODE	>A	908	PORT OF DISCHARGE	AN	5	M		
					>A	913	PORT OF LOAD	AN	5		M	
1131	Code List Qualifier	C	an..3	139 = Port	>A					X	X	
3055	Code list responsible agency, coded	C	an..3	6 = UN	>A					X	X	
3224	Place/Location	C	an..70									
C519	RELATED LOCATION ONE IDENTIFICATION	C										
3223	Related place/location one identification	C	an..25	SARS Code List 3	>A	941	TERMINAL OF DISCHARGE/LOAD	AN	25	M	M	
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service								
3222	Related Place/Location one	C	an..70									

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)												
C553	RELATED LOCATION TWO IDENTIFICATION	C										
3233	Related place/location two identification	C	an..25									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3232	Related Place/Location two	C	an..70									
5479	RELATION CODED	C	an..3									
DTM	**DATE/TIME/PERIOD**	**C**			**9**							**To specify a date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M										
2005	Date/time/period qualifier	M	an..3	132 = Arrival date/time estimated	>A					X	X	
				133 = Departure date/time estimated	>B					X	X	
2380	Date/time/period	C	an..35		>A	934	ARRIVAL DATE/TIME	N	12	M	O	
					>B	909	DEPARTURE DATE/TIME	N	12	O	M	
2379	Date/time/period format qualifier	C	an..3	203 = CCYYMMDDHHMM	>AB					X	X	
END OF GROUP 1												
START OF GROUP 2		**M**			**1**							**Header vessel Information.**
NAD	**NAME AND ADDRESS**	**M**			**1**							**To specify the Name/Addr of the parties involved in the transaction..**
3035	PARTY QUALIFIER	M	an..3	CA = Carrier	>A					X	X	
				CF = Container Operator	>A					X	X	
C082	PARTY IDENTIFICATION DETAILS	C										
3039	Party id identification	M	an..17		>A	901	MASTER CARGO CARRIER CODE	AN	17	M	M	
1131	Code List Qualifier	C	an..3	160 = Party ID	>A					X	X	
3055	Code list responsible agency, coded	C	an..3									
C058	NAME AND ADDRESS	C										
3124	Name and address line	M	an..35									

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
	COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)											
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
C080	PARTY NAME	C										
3036	Party name	M	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3045	Party name format, coded	C	an..3									
C059	STREET	C										
3042	Street and Number/P.O. Box	M	an..35									
3042	Street and Number/P.O. Box	C	an..35									
3042	Street and Number/P.O. Box	C	an..35									
3164	CITY NAME	C	an..35									
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9									
3251	POSTCODE IDENTIFICATION	C	an..9									
3207	COUNTRY, CODED	C	an..3									
END OF GROUP 2												
START OF GROUP 3		M			9999							Container related information.
EQD	EQUIPMENT DETAILS	M			1							To identify a unit of equipment.
8053	EQUIPMENT QUALIFIER	M	an..3	CN = Container	>A					X	X	

COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)
EDI/DE	**EDI DATA ELEMENT NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**KEY**	**DATA ELEMENT NAME**	**TYPE**	**I-LEN**	**DS**	**LD**	**REMARKS**
C237	EQUIPMENT IDENTIFICATION	C										
8260	Equipment Identification Number	C	an..17		>A	390	CONTAINER NUMBER	AN	17	M	M	
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3207	Country, Coded	C	an..3									
C224	EQUIPMENT SIZE AND TYPE	C										
8155	Equipment Size and Type Identification	C	an..10	ISO 6346 size and type code.	>A	915/916	CONTAINER SIZE/TYPE	AN	4	O	O	
1131	Code List Qualifier	C	an..3	102 = Size and type	>A					X	X	
3055	Code list responsible agency, coded	C	an..3	5 = ISO	>A					X	X	
8154	Equipment Size and Type	C	an..35									
8077	EQUIPMENT SUPPLIER, CODED	C	an..3									
8249	EQUIPMENT STATUS, CODED	C	an..3	2 = Export	>A	943	LANDED PURPOSE	AN	3	M	M	
				3 = Import	>A					X	X	
				5 = Shifter (Restow)	>A					X	X	
				6 = Transhipment	>A					X	X	
				12 = Short landed	>A					X	X	
				13 = Over landed	>A					X	X	
8169	FULL/EMPTY INDICATOR, CODED	C	an..3	4 = Empty	>A	391	SERVICE TYPE/FULL-EMPTY IND	AN	3	M	M	
				5 = Full	>A					X	X	
				7 = Full, mixed consignment (LCL)	>A					X	X	
				8 = FCL single consignment								
RFF	**REFERENCE**	**C**			9							**To specify a reference.**
C506	REFERENCE	M										
1153	Reference Qualifier	M	an..3	BN = Booking number	>A			AN	3		X	
				CV = Container Operator's Reference	>A					X		

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
					COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)							
1154	Reference Number	C	an..35		>A	947	BOOKING NUMBER	AN	35		M	
					>A	937	EXTERNAL REFERENCE	AN	35	O	O	
1156	Line Number	C	an..6									
4000	Reference Version Number	C	an..35									
TMD	**TRANSPORT MOVEMENT DETAILS**	**C**			**9**							**To specify transport movement details for a goods item or equipment**
C219	MOVEMENT TYPE	C										
8335	Movement Type, Coded	C	an..3	2 = LCL/LCL (P/P)	>A					X	X	
				3 = FCL/FCL (H/H)	>A					X	X	
				4 = FCL/LCL (H/P)	>A					X	X	
				5 = LCL/FCL (P/H)	>A					X	X	
8334	Movement Type	C	an..35									
8332	EQUIPMENT PLAN	C	an..26									
8341	HAULAGE ARRANGEMENT, CODED	C	an..3									
DTM	**DATE/TIME/PERIOD**	**C**			**9**							**To specify a date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M										
2005	Date/time/period qualifier	M	an..3	203 = Execution date	>A					X	X	
2380	Date/time/period	C	an..35		>A	944	DATE/TIME DISCHARGED/LOADED	N	12	M	M	
2379	Date/time/period format qualifier	C	an..3	203 = CCYYMMDDHHMM	>A					X	X	
LOC	**PLACE/LOCATION IDENTIFICATION**	**C**			**9**							**To identify a country /place /location /related location one /related location two**
3227	PLACE/LOCATION QUALIFIER	M	an..3	147 = Stowage cell	>A					X	X	
				11= Operational port of discharge	>B						X	
				7 = Place of delivery	>C						X	
C517	LOCATION IDENTIFICATION	C										
3225	Place/Location Identification	C	an..25		>A	945	STOW POSITION	AN	25	O	O	

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)
					>B	908	PORT OF DISCHARGE	AN	5		O	
					>C	968	PLACE OF DELIVERY	AN	5		O	
1131	Code List Qualifier	C	an..3	139 = Port	>BC							
3055	Code list responsible agency, coded	C	an..3	6 = UN	>BC							
3224	Place/Location	C	an..17									
C519	RELATED LOCATION ONE IDENTIFICATION	C										
3223	Related place/location one identification	C	an..25									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3222	Related Place/Location one	C	an..70									
C553	RELATED LOCATION TWO IDENTIFICATION	C										
3233	Related place/location two identification	C	an..25									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3232	Related Place/Location two	C	an..70									
5479	RELATION CODED	C	an..3									
MEA	**MEASUREMENTS**	**C**			9							**To specify physical measurements including dimension tolerances, weights and counts.**
6311	MEASUREMENT APPLICATION QUALIFIER	M	an..3	AAE = Measurement	>A					X	X	
C502	MEASUREMENT DETAILS	C										
6313	Measurement Dimension, Coded	C	an..3	G = Gross weight	>A					X	X	
6321	Measurement Significance, Coded	C	an..3									
6155	Measurement Attribute, Coded	C	an..3									
6154	Measurement Attribute	C	an..70									
C174	VALUE/RANGE	C										
6411	Measure Unit Qualifier	M	an..3	KGM = Kilogram	>A	680	UNIT OF MEASURE	AN	3	O	O	

	COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)										
EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
6314	Measurement Value	C	n..18		>A	260	GROSS WEIGHT	N	18	O	O	Gross weight in kg (tare weight for empty containers). Gross weight is the sum of cargo weight and container (equipment) weight. No decimals.
6162	Range Minimum	C	n..18									
6152	Range Maximum	C	n..18									
6432	Significant Digits	C	n..2									
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3									
SEL	SEAL NUMBER	C			9							To specify a seal number related to equipment.
9308	SEAL NUMBER	M	an..10		>A	394	SEAL NUMBER	AN	10	M	M	This segment may occur a maximum of four times.
C215	SEAL ISSUER	C										
9303	Sealing Party, Coded	C	an..3	CA = Carrier	>A	948	SEALING PARTY	AN	3	M	M	
				CU = Customs	>A					X	X	
				QA = Quarantine	>A					X	X	
				SH = Shipper	>A					X	X	
				TO = Terminal operator	>A					X	X	
1131	Code List Qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
9302	Sealing Party	C	an..35									
4517	SEAL CONDITION, CODED	C	an..3									
START OF GROUP 5		C			1							
TDT	DETAILS OF TRANSPORT	M			1							Transport Details such as mode of transport, means of transport, it's conveyance reference number and identification of means of transport.
8051	TRANSPORT STAGE QUALIFIER	M	an..3	30 = On-carriage transport	>A					X	X	Only for transhipments.
8028	CONVEYANCE REFERENCE NUMBER	C	an..17		>A	969	ON/PRE-CONVEYANCE NUMBER	AN	17	O	O	Voyage number etc.
C220	MODE OF TRANSPORT	C										

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
				COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)								
8067	Mode of transport, coded	C	an..3	SARS Code List 10	>A	970	ON/PRE-TRANSPORT CODE	AN	3	O	O	Applicable numeric main carriage transport code (UN Recommendation 19). Also refer to the SARS Code List 10.
8066	Mode of transport	C	an..17									
C228	TRANSPORT MEANS	C										
8179	Type of means of transport id	C	an..8									
8178	Type of means of transport	C	an..17									
C040	CARRIER	C										
3127	Carrier identification	C	an..17		>A	971	ON/PRE-CARRIER CODE	AN	17	O	O	Carrier operator code.
1131	Code list qualifier	C	an..3	172 = Carrier Code	>A					X	X	
3055	Code list responsible agency, coded	C	an..3	20 = BIC	>A					X	X	
				87 = Assigned by Carrier	>A					X	X	
				166 = NMFCA/SCAC	>A					X	X	
				184 = ACOS	>A					X	X	
3128	Carrier name	C	an..35									
8101	TRANSIT DIRECTION, CODED	C	an..3									
C401	EXCESS TRANSPORTATION INFO	C										
8457	Excess transportation reason, coded	M	an..3									
8459	Excess transport responsibility, coded	M	an..3									
7130	Customer authorization number	C	an..17									
C222	TRANSPORT IDENTIFICATION	C										
8213	Id of means of transport identification	C	an..9		>A	972	ON/PRE-TRANSPORT ID	AN	9	O	O	Mandatory if On/Pre carriage.
1131	Code list qualifier	C	an..3	103 = Radio Call Sign	>A					X	X	
				146 = Lloyd's Register of Ships	>A					X	X	
3055	Code list responsible agency, coded	C	an..3	11 = Lloyd's register	>A					X	X	
				ZZZ = Mutually agreed	>A					X	X	
8212	Id of means of transport	C	an..17									

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)
8453	Nationality of means of transport	C	an..3									
8281	TRANSPORT OWNERSHIP CODED	C	an..3									
LOC	**PLACE/LOCATION IDENTIFICATION**	**C**	**O**			**9**						**To identify a country /place /location /related location one /related location two.**
3227	PLACE/LOCATION QUALIFIER	M	an..3	7 = Place of Delivery	>A					X		
C517	LOCATION IDENTIFICATION	C										
3225	Place/Location Identification	C	an..25		>A	968	PLACE OF DELIVERY	AN	5	O		
1131	Code List Qualifier	C	an..3	139 = Port								
3055	Code list responsible agency, coded	C	an..3									
3224	Place/Location	C	an..17									
C519	RELATED LOCATION ONE IDENTIFICATION	C										
3223	Related place/location one identification	C	an..25									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3222	Related Place/Location one	C	an..70									
C553	RELATED LOCATION TWO IDENTIFICATION	C										
3233	Related place/location two identification	C	an..25									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3232	Related Place/Location two	C	an..70									
5479	RELATION CODED	C	an..3									
END OF GROUP 5
END OF GROUP 3

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
				COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)								
NAD	NAME AND ADDRESS	C			1							**To specify the Name/Addr of the parties involved in the transaction..**
3035	PARTY QUALIFIER	M	an..3	CF = Container Operator	>A					X	X	Only supplied should the Container Operator differ from the Carrier.
C082	PARTY IDENTIFICATION DETAILS	C										
3039	Party id identification	M	an..17		>A	901	MASTER CARGO CARRIER CODE	AN	17	O	O	
1131	Code List Qualifier	C	an..3	160 = Party ID	>A					X	X	
3055	Code list responsible agency, coded	C	an..3									
C058	NAME AND ADDRESS	C										
3124	Name and address line	M	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
C080	PARTY NAME	C										
3036	Party name	M	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3045	Party name format, coded	C	an..3									
C059	STREET	C										
3042	Street and Number/P.O. Box	M	an..35									
3042	Street and Number/P.O. Box	C	an..35									
3042	Street and Number/P.O. Box	C	an..35									
3164	CITY NAME	C	an..35									

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DS	LD	REMARKS
				COARRI (D95B) DATA MAPPING GUIDE (V18 – 2014/02/22)								
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9									
3251	POSTCODE IDENTIFICATION	C	an..9									
3207	COUNTRY, CODED	C	an..3									
CNT	**CONTROL TOTAL**	M			1							**To provide a control total**
C270	CONTROL	M										
6069	Control Qualifier	M	an..3	16 = Total number of equipment	>A					X	X	
6066	Control Value	M	an..18		>A	929	NUMBER OF CONTAINERS	N	18	M	M	Total number of containers in this message. Assigned by Cosmos.
6411	Measure Unit Qualifier	C	an..3									
UNT	**MESSAGE TRAILER**	M			1							**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN A MESSAGE	M	n..6		>A					X	X	
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	
END OF MESSAGE												

7.8.3. COARRI - BRANCHING DIAGRAM

Level

0		

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                              ┌─────┬─────┬─────┬─────┬─────┐
                         ┌────┴┬────┐         ┌────┬────┐
                      UNH    BGM              CNT    UNT
                     M   1  M   1            M   1  M   1
                      1      2                31     32

                         Gr. 1 Gr. 2 Gr. 3
                         M  1  M  9  M 9999
  1                      TDT   NAD   EQD
                         M  1  M  1  M  1
                          5     9    11

  2
      LOC   DTM   RFF   TMD   DTM   LOC   MEA   SEL   Gr 5   NAD
      C  9  C  9  C  9  C  9  C  9  C  9  C  9  C  9  C  1
       7     8    12    13    14    15    16    20   TDT    C  1
                                                     M  1   30
                                                      27

  3                                                  LOC
                                                     C  9
                                                      26
```

7.8.4. COARRI – DATA MODEL


```
                    ┌──────────────┐    BGM, Grp1 (TDT, LOC, DTM),
                    │    Header    │    Grp2 (NAD)
                    │   Details    │
                    └──────────────┘
                            │
              ┌─────────────┴─────────────┐
      ┌──────────────┐          ┌──────────────┐
      │  Container   │          │    Total     │
      │   Details    │          │   Details    │
      └──────────────┘          └──────────────┘

Grp3 (EQD, RFF, TMD,              CNT
DTM, LOAC, MEA, SEL,
Grp5 (TDT, LOC), NAD)
```
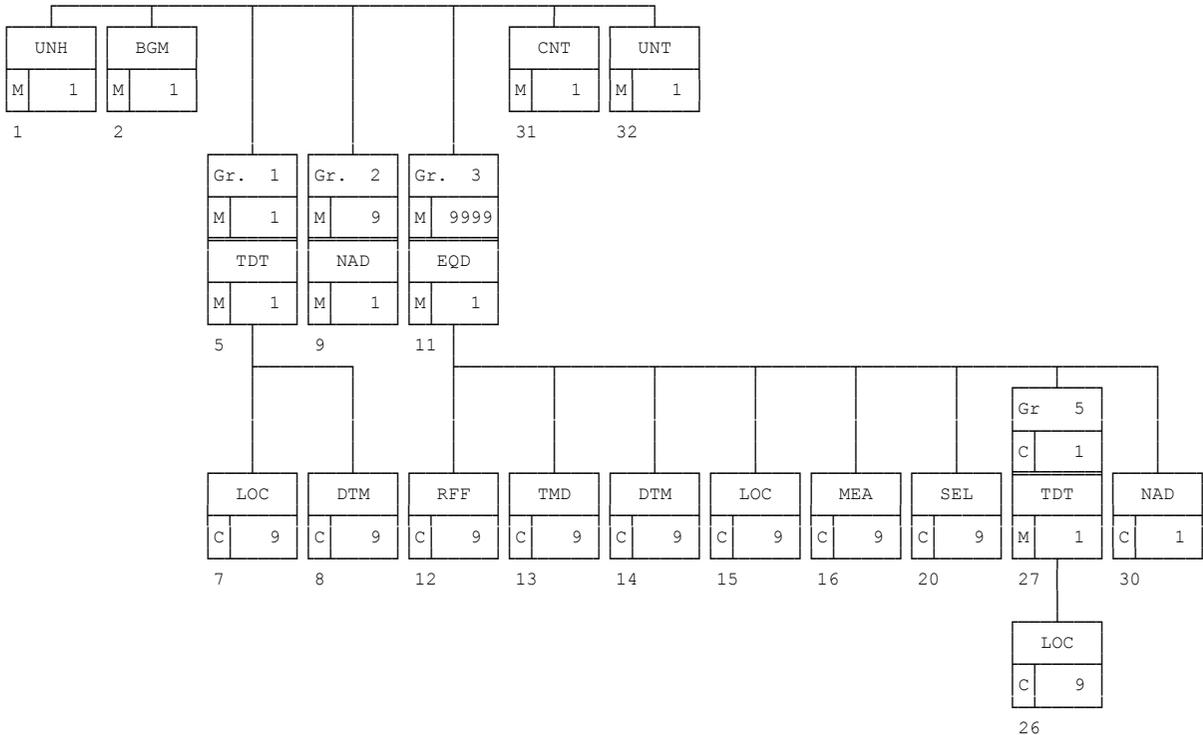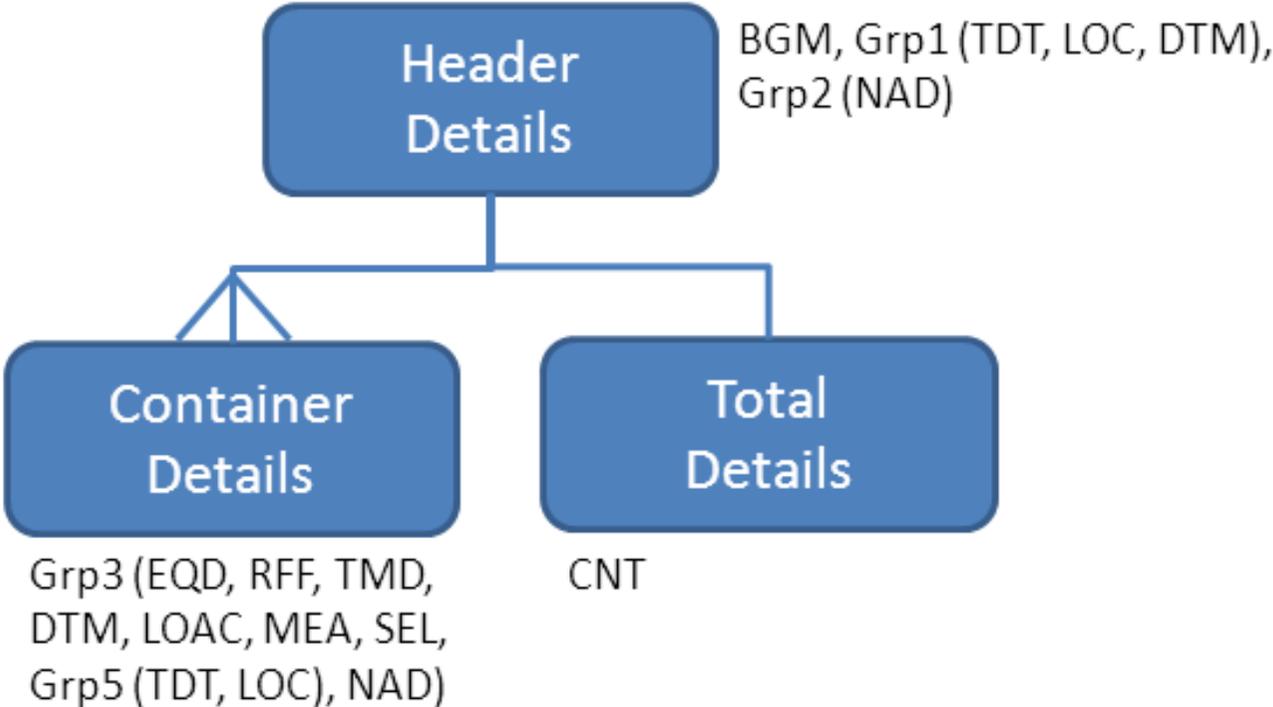
7.8.5. COARRI – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
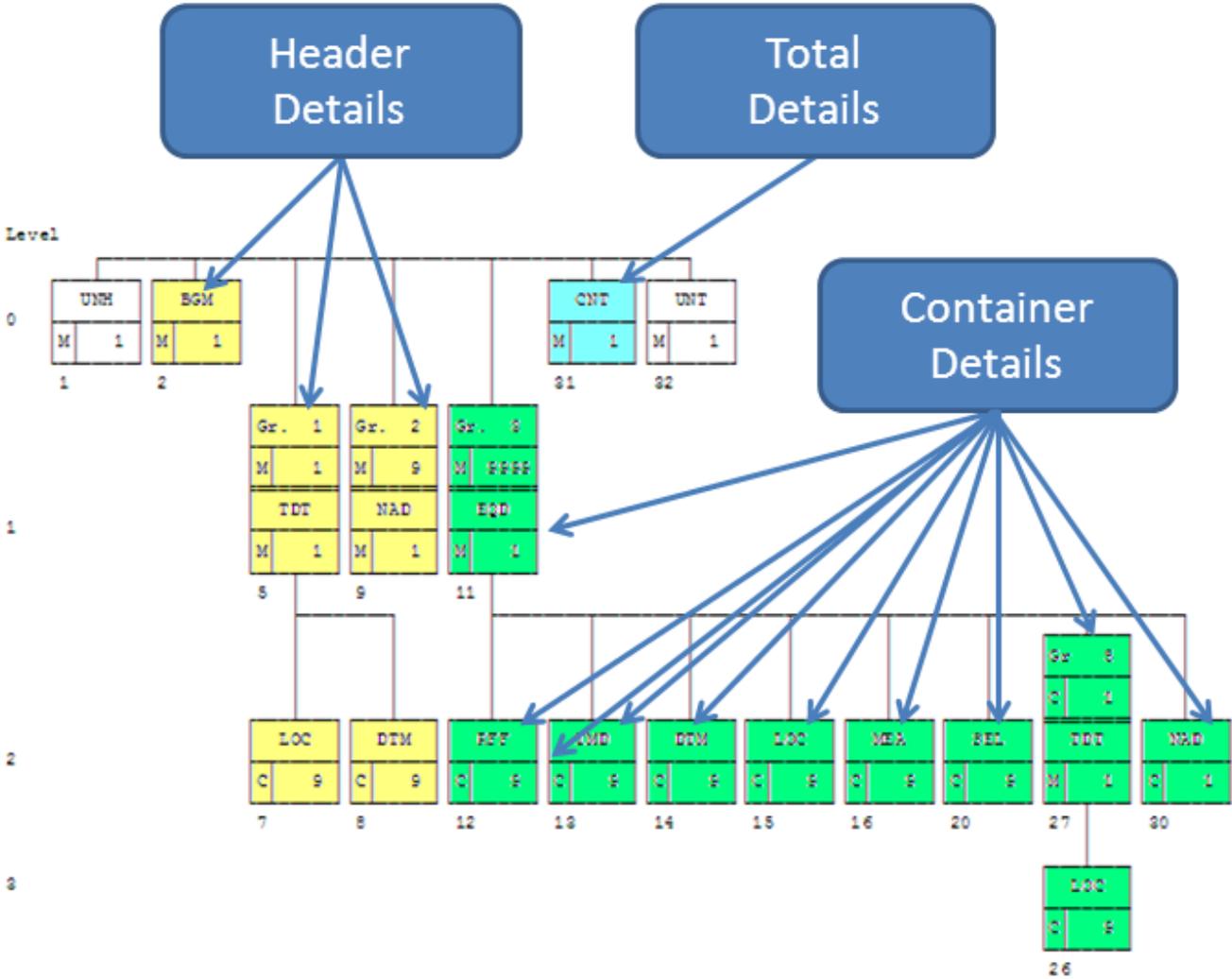
7.8.6. COARRI - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI COARRI interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+PORTOPERATIONS+SARSCAR+20140522:1042+10200++COARRI++1+12345679'
Message Header	UNH+SN035262010001+COARRI:D:95B:UN:ITG12'
Header Details	BGM+270+SN035262010001+9' TDT+20+A534+1+13+XXX:172:20+++XYXY:103::HEEMSKERCK' LOC+9+ZADUR:139+PNTDB:TER:ZZZ' DTM+132:201405220500:203' DTM+133:201405220600:203' NAD+CF+DTG:160'
Container Details (Group 3 occurrence 1)	EQD+CN+SCZU7250024+2210:102:5++2+5' RFF+BN:DTDUR/00039/2003' DTM+203:201405210735:203' LOC+11+DEBRV:139:6' LOC+7+DEBRV:139:6' LOC+147+370208' MEA+AAE+G+KGM:21500' SEL+0691311+CA' DAM+1+94:::DENTED ON SEVERALPLACES'
Container Details (Group 3 occurrence 2)	EQD+CN+DAYU2137773+22G1:102:5++2+5' RFF+BN:DTDUR/00039/2003' TMD+3' DTM+203:201405210706:203' LOC+11+DEBRV:139:6' LOC+7+DEBRV:139:6' LOC+147+390206' MEA+AAE+G+KGM:21500' SEL+0691310+CA' DAM+1+94:::DENTED ON SEVERALPLACES'
Container Details (Group 3 occurrence 3)	EQD+CN+SCZU7379198+2210:102:5++2+5' RFF+BN:DTDUR/00039/2003' TMD+3' DTM+203:201405210703:203' LOC+11+DEBRV:139:6' LOC+7+DEBRV:139:6' LOC+147+390106'

	MEA+AAE+G+KGM:21500' SEL+0691309+CA' DAM+1+94:::DENTED ON SEVERALPLACES'
Container Details **(Group 3 occurrence 4)**	EQD+CN+SCZU7754581+2210:102:5++2+5' RFF+BN:DTDUR/00039/2003' DTM+203:201405210115:203' LOC+11+DEBRV:139:6' LOC+7+DEBRV:139:6' LOC+147+030214' MEA+AAE+G+KGM:21500' SEL+OOR+CA' SEL+0691313+CA' DAM+1+94:::DENTED ON SEVERALPLACES'
Container Details **(Group 3 occurrence 5)**	EQD+CN+SCZU7649755+2210:102:5++2+5' RFF+BN:DTDUR/00039/2003' DTM+203:201405210835:203' LOC+11+DEBRV:139:6' LOC+7+DEBRV:139:6' LOC+147+370410' MEA+AAE+G+KGM:21500' SEL+DI+CA' SEL+0691612+CA' DAM+1+94:::DENTED ON SEVERALPLACES'
Container Details **(Group 3 occurrence 6)**	EQD+CN+TTNU4203447+42G1:102:5++2+5' RFF+BN:DT/JNB/00112/2003' TMD+3' DTM+203:201405210956:203' LOC+11+DEBRV:139:6' LOC+7+DEBRV:139:6' LOC+147+380418' MEA+AAE+G+KGM:24000' SEL+018295+CA' DAM+1+94:::DENTED ON SEVERALPLACES'
Total Details	CNT+16:6'
Message Trailer	UNT+68+SN035262010001'
Interchange Trailer	UNZ+1+10200'

7.9. *CODECO (CONTAINER GATE-IN/GATE-OUT REPORT)*

7.9.1. CODECO - OVERVIEW

The CODECO message is used by the South African Port Operations (SAPO) to transfer gate-in and gate-out information electronically to SARS. For Imports, once the goods have left the premises of the Port Operations, this information is transmitted and on Exports, once the goods have entered the gates of Port Operations, this information in transferred.

For each CODECO message received, SARS could return a CUSRES message with either a Status 6 (Rejected), Status 8 (Accepted) or Status 9 (Duplicate).

7.9.2. CODECO - DATA MAPPING GUIDE

CODECO (D95B) DATA MAPPING GUIDE (V17- 2014/02/22)

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	G-OUT	G-IN	REMARKS
												G-OUT = Gate out (Imports)
												G-IN = Gate in (Exports)
UNH	MESSAGE HEADER	M			1							To head, identify and specify a message.
0062	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M										
0065	Message type identifier	M	an..6	CODECO	>A					X	X	Type of message being transmitted.
0052	Message type version number	M	an..3	D	>A					X	X	Version number of the message type. If UNG is used, 0052 shall be identical.
0054	Message type release number	M	an..3	95B	>A					X	X	Release number within the current version number.
0051	Controlling agency	M	an..2	UN	>A					X	X	A code to identify the agency controlling the specification, maintenance and publication of the message type.
0057	User Manual Version	C	an..5	ITG14	>A					X	X	A code assigned by the association responsible for the design and maintenance of the message type.
0068	ADDITIONAL MESSAGE REFERENCE	C	an..35									A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C										
OO70	Sequence of transfers	M	n..2									Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1									C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	BEGINNING OF MESSAGE	M			1							To indicate the beginning of a message.
C002	DOCUMENT/MESSAGE NAME	C										
1001	Document name, coded	C	an..3	36 = Gate out report	>A	964	DOCUMENT TYPE	AN	3	M		
				34 = Gate in report	>A						M	
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
1000	Document name	C	an..35									
1004	DOCUMENT NUMBER	C	an..35		>A	10	DOCUMENT NUMBER	AN	35	M	M	A unique reference number assigned to the electronic document.

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	G-OUT	G-IN	REMARKS
				CODECO (D95B) DATA MAPPING GUIDE (V17- 2014/02/22)								
1225	MESSAGE FUNCTION, CODED	C	an..3	9 = Original	>A	13	MESSAGE FUNCTION	AN	3	M	M	
				4 = Change						X	X	If a document is amended, the reference number of the original message must be supplied within the following RFF segment, Qualifier ACW.
				1 = Cancel						X	X	If a document is cancelled, the reference number of the original message must be supplied within the following RFF segment, Qualifier ACW.
4343	RESPONSE TYPE, CODED	C	an..3									
RFF	**REFERENCE**	**C**			**9**							**To specify a reference.**
C506	REFERENCE	M										
1153	Reference Qualifier	M	an..3	ACW = Reference to a previous message	>A					X	X	
1154	Reference Number	C	an..35		>A	949	DOCUMENT TO BE AMENDED	AN	35	O	O	Mandatory should this message be an amendment or deletion of a previous message.
1156	Line Number	C	an..6									
4000	Reference Version Number	C	an..35									
	START OF GROUP 1	**M**			**1**							
TDT	**DETAILS OF TRANSPORT**	**M**			**1**							**Transport Details such as mode of transport, means of transport, it's conveyance reference number and identification of means of transport.**
8051	TRANSPORT STAGE QUALIFIER	M	an..3	20 = Main-carriage transport	>A					X	X	
8028	CONVEYANCE REFERENCE NUMBER	C	an..17		>A	240	CONVEYANCE NUMBER	AN	17	M	M	Voyage number, flight number, trip number etc.
C220	MODE OF TRANSPORT	C										
8067	Mode of transport, coded	C	an..3	SARS Code List 10	>A	180	TRANSPORT CODE	AN	3	M	M	Applicable numeric main carriage transport code (UN Recommendation 19). Also refer to the SARS Code List 10.
8066	Mode of transport	C	an..17									
C228	TRANSPORT MEANS	C										
8179	Type of means of transport id	C	an..8									
8178	Type of means of transport	C	an..17									
C040	CARRIER	C										

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	G-OUT	G-IN	REMARKS
	CODECO (D95B) DATA MAPPING GUIDE (V17- 2014/02/22)											
3127	Carrier identification	C	an..17		>A	902	CARRIER CODE	AN	17	M	M	Carrier operator code.
1131	Code list qualifier	C	an..3	172 = Carrier Code	>A					X	X	
3055	Code list responsible agency, coded	C	an..3	20 = BIC	>A					X	X	
				87 = Assigned by Carrier	>A					X	X	
				166 = NMFCA/SCAC	>A					X	X	
				184 = ACOS	>A					X	X	
3128	Carrier name	C	an..35									
8101	TRANSIT DIRECTION, CODED	C	an..3									
C401	EXCESS TRANSPORTATION INFO	C										
8457	Excess transportation reason, coded	M	an..3									
8459	Excess transport responsibility, coded	M	an..3									
7130	Customer authorization number	C	an..17									
C222	TRANSPORT IDENTIFICATION	C										
8213	Id of means of transport identification	C	an..9		>A	904	TRANSPORT ID	AN	9	M	M	Registration number/ID of the means of transport.
1131	Code list qualifier	C	an..3	103 = Radio Call Sign	>A					X	X	
				146 = Lloyd's Register of Ships	>A					X	X	
3055	Code list responsible agency, coded	C	an..3	11 = Lloyd's register	>A					X	X	
				ZZZ = Mutually agreed	>A					X	X	
8212	Id of means of transport	C	an..17									
8453	Nationality of means of transport	C	an..3									
8281	TRANSPORT OWNERSHIP CODED	C	an..3									
LOC	PLACE/LOCATION IDENTIFICATION	C			9							To identify a country /place /location /related location one /related location two.
3227	PLACE/LOCATION QUALIFIER	M	an..3	11 = Place/port of discharge	>A					X		
				9 = Place/port of loading	>A						X	
C517	LOCATION IDENTIFICATION	C										

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	G-OUT	G-IN	REMARKS
				CODECO (D95B) DATA MAPPING GUIDE (V17- 2014/02/22)								
	Place/Location Identification	C	an..25		>A	908	PLACE/PORT OF DISCHARGE	AN	5	M		
					>A	913	PLACE/PORT OF LOADING	AN	5		M	
1131	Code List Qualifier	C	an..3	139 = Port	>A							
3055	Code list responsible agency, coded	C	an..3	6 = UN/ECE (UN Locode)	>A							
3224	Place/Location	C	an..17									
C519	RELATED LOCATION ONE IDENTIFICATION	C										
3223	Related place/location one identification	C	an..25		>A	941	TERMINAL OF DISCHARGE/LOAD	AN	25	M	M	
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3222	Related Place/Location one	C	an..70									
C553	RELATED LOCATION TWO IDENTIFICATION	C										
3223	Related place/location two identification	C	an..25									
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3232	Related Place/Location two	C	an..70									
5479	RELATION CODED	C	an..3									
DTM	**DATE/TIME/PERIOD**	**C**			**9**							**To specify a date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M										
2005	Date/time/period qualifier	M	an..3	132 = Arrival date/time estimated	>A					X	X	
				133 = Departure date/time estimated	>B					X	X	
2380	Date/time/period	C	an..35		>A	934	ARRIVAL DATE/TIME	N	12	M	O	
					>B	909	DEPARTURE DATE/TIME	N	12	O	O	
2379	Date/time/period format qualifier	C	an..3	203 = CCYYMMDDHHMM	>AB					X	X	
	END OF GROUP 1											

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	G-OUT	G-IN	REMARKS
CODECO (D95B) DATA MAPPING GUIDE (V17- 2014/02/22)
START OF GROUP 2		M			9							
NAD	NAME AND ADDRESS	M			1							**To specify the Name/Addr of the parties involved in the transaction..**
3035	PARTY QUALIFIER	M	an..3	CF = Container operator	>A					X	X	
C082	PARTY IDENTIFICATION DETAILS	C										
3039	Party id identification	M	an..17		>A	901	MASTER CARGO CARRIER CODE	AN	17	M	M	
1131	Code List Qualifier Coded	C	an..3	172 = Carrier code	>A					X	X	
3055	Code list responsible agency, coded	C	an..3	20 = BIC	>A					X	X	
C058	NAME AND ADDRESS	C										
3124	Name and address line	M	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
C080	PARTY NAME	C										
3036	Party name	M	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3045	Party name format, coded	C	an..3									
C059	STREET	C										
3042	Street and Number/P.O. Box	M	an..35									
3042	Street and Number/P.O. Box	C	an..35									
3042	Street and Number/P.O. Box	C	an..35									
3164	CITY NAME	C	an..35									

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	G-OUT	G-IN	REMARKS
CODECO (D95B) DATA MAPPING GUIDE (V17- 2014/02/22)
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9									
3251	POSTCODE IDENTIFICATION	C	an..9									
3207	COUNTRY, CODED	C	an..3									
END OF GROUP 2												
START OF GROUP 5		M			999							
EQD	**EQUIPMENT DETAILS**	M			1							**To identify a unit of equipment.**
8053	EQUIPMENT QUALIFIER	M	an..3	CN = Container	>A					X	X	
C237	EQUIPMENT IDENTIFICATION	C										
8260	Equipment Identification Number	C	an..17		>A	390	CONTAINER NUMBER	AN	17	M	M	The container number consists of 11 digits of which the first 4 digits represent the alphabetic code and the next 7 digits represent the numeric number of the container.
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
3207	Country, Coded	C	an..3									
C224	EQUIPMENT SIZE AND TYPE	C										
8155	Equipment Size and Type Identification	C	an..10		>A	915/916	CONTAINER SIZE/TYPE	AN	4	O	O	
1131	Code List Qualifier	C	an..3	102 = Size and Type	>A					X	X	
3055	Code list responsible agency, coded	C	an..3	5 = ISO	>A					X	X	
8154	Equipment Size and Type	C	an..35									
8077	EQUIPMENT SUPPLIER, CODED	C	an..3									
8249	EQUIPMENT STATUS, CODED	C	an..3	2 = Export	>A	943	CONTAINER STATUS	AN	3	M	M	
				3 = Import	>A					X	X	
				6 = Transhipment	>A					X	X	

CODECO (D95B) DATA MAPPING GUIDE (V17- 2014/02/22)
EDI/DE	**EDI DATA ELEMENT NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**KEY**	**DATA ELEMENT NAME**	**TYPE**	**I-LEN**	**G-OUT**	**G-IN**	**REMARKS**
				1 = Continental (Transit)	>A					X	X	
8169	FULL/EMPTY INDICATOR, CODED	C	an..3	4 = Empty	>A	391	SERVICE TYPE	AN	3	M	M	
				5 = Full	>A					X	X	
				7 = Full, mixed consignment (LCL)	>A					X	X	
				8 = FCL single	>A					X	X	
RFF	**REFERENCE**	**C**			9							**To specify a reference.**
C506	REFERENCE	M										
1153	Reference Qualifier	M	an..3	BN = Booking number	>A						X	
				CV = Container operators reference number	>A					X		
1154	Reference Number	C	an..35		>A	947	BOOKING NUMBER	AN	35		M	
					>A	937	EXTERNAL REFERENCE	AN	35	O	O	
1156	Line Number	C	an..6									
4000	Reference Version Number	C	an..35									
DTM	**DATE/TIME/PERIOD**	**C**			9							**To specify a date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M										
2005	Date/time/period qualifier	M	an..3	7 = Effective date/time	>A					X	X	
2380	Date/time/period	C	an..35		>A	973	GATE IN/OUT DATE/TIME	N	12	M	M	Arrival date/time for gate in and departure date for gate out.
2379	Date/time/period format qualifier	C	an..3	203 = CCYYMMDDHHMM	>A					X	X	
MEA	**MEASUREMENTS**	**C**			9							**To specify physical measurements including dimension tolerances, weights and counts.**
6311	MEASUREMENT APPLICATION QUALIFIER	M	an..3	AAE = Measurement	>A					X	X	
C502	MEASUREMENT DETAILS	C										
6313	Measurement Dimension, Coded	C	an..3	G = Gross weight (excluding carrier's equipment)	>A					X	X	
6321	Measurement Significance, Coded	C	an..3									
6155	Measurement Attribute, Coded	C	an..3									
6154	Measurement Attribute	C	an..70									

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	G-OUT	G-IN	REMARKS
				CODECO (D95B) DATA MAPPING GUIDE (V17- 2014/02/22)								
C174	VALUE/RANGE	C										
6411	Measure Unit Qualifier	M	an..3	KGM = Kilogram	>A	680	UNIT OF MEASURE	AN	3	O	O	
6314	Measurement Value	C	n..18		>A	260	GROSS WEIGHT	N	18	O	O	
6162	Range Minimum	C	n..18									
6152	Range Maximum	C	n..18									
6432	Significant Digits	C	n..2									
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3									
SEL	SEAL NUMBER	C			9							To specify a seal number related to equipment.
9308	SEAL NUMBER	M	an..10		>A	394	SEAL NUMBER	AN	10	M	M	This segment may occur a maximum of four times.
C215	SEAL ISSUER	C										
9303	Sealing Party, Coded	C	an..3	QA = Quarantine	>A	948	SEALING PARTY	AN	3	M	M	
				CA = Carrier	>A					X	X	
				CU = Customs	>A					X	X	
				SH = Shipper	>A					X	X	
				TO = Terminal Operator	>A					X	X	
				AA = Consolidator	>A					X	X	
				AB = Unknown	>A					X	X	
1131	Code List Qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
9302	Sealing Party	C	an..35									
4517	SEAL CONDITION, CODED	C	an..3									
START OF GROUP 7		C			1							
TDT	DETAILS OF TRANSPORT	M			1							Transport Details such as mode of transport, means of transport, it's conveyance reference number and identification of means of transport.
8051	TRANSPORT STAGE QUALIFIER	M	an..3	1 = Inland Carriage	>A					X	X	

CODECO (D95B) DATA MAPPING GUIDE (V17- 2014/02/22)
EDI/DE	**EDI DATA ELEMENT NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**KEY**	**DATA ELEMENT NAME**	**TYPE**	**I-LEN**	**G-OUT**	**G-IN**	**REMARKS**
8028	CONVEYANCE REFERENCE NUMBER	C	an..17		>A	969	ON/PRE-CONVEYANCE NUMBER	AN	17	O	O	Voyage number Etc.
C220	MODE OF TRANSPORT	C										
8067	Mode of transport, coded	C	an..3	SARS Code List 10	>A	970	ON/PRE-TRANSPORT CODE	AN	3	O	O	Applicable numeric main carriage transport code (UN Recommendation 19). Also refer to the SARS Code List 10.
8066	Mode of transport	C	an..17									
C228	TRANSPORT MEANS	C										
8179	Type of means of transport id	C	an..8	13 = Ocean Vessel	>A					X	X	
				25 = Rail Express	>A					X	X	
				31 = Truck	>A					X	X	
8178	Type of means of transport	C	an..17									
C040	CARRIER	C										
3127	Carrier identification	C	an..17		>A	971	ON/PRE-CARRIER CODE	AN	17	O	O	Carrier operator code.
1131	Code list qualifier	C	an..3	172 = Carrier Code	>A					X	X	
3055	Code list responsible agency, coded	C	an..3									
3128	Carrier name	C	an..35									
8101	TRANSIT DIRECTION, CODED	C	an..3									
C401	EXCESS TRANSPORTATION INFO	C										
8457	Excess transportation reason, coded	M	an..3									
8459	Excess transport responsibility, coded	M	an..3									
7130	Customer authorization number	C	an..17									
C222	TRANSPORT IDENTIFICATION	C										
8213	Id of means of transport identification	C	an..9		>A	972	ON/PRE-TRANSPORT ID	AN	9	O	O	Registration number/ID of the means of transport.
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									

EDI/DE	EDI DATA ELEMENT NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	G-OUT	G-IN	REMARKS
CODECO (D95B) DATA MAPPING GUIDE (V17- 2014/02/22)
8212	Id of means of transport	C	an..17									
8453	Nationality of means of transport	C	an..3									
8281	TRANSPORT OWNERSHIP CODED	C	an..3									
END OF GROUP 7												
END OF GROUP 5												
CNT	**CONTROL TOTAL**	**M**			1							**To provide a control total.**
C270	CONTROL	M										
6069	Control qualifier	M	an..3	16 = Total number of equipment	>A					X	X	
6066	Control value	M	n..18		>A	929	NUMBER OF CONTAINERS	N	18	M	M	
6411	Measure unit qualifier	C	an..3									
UNT	**MESSAGE TRAILER**	**M**			1							**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN A MESSAGE	M	n..6		>A					X	X	Total number of segments in this message.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	Shall be identical to 0062 in UNH.
END OF MESSAGE												

7.9.3. CODECO - BRANCHING DIAGRAM

Level

0

UNH		BGM						CNT		UNT	
M	1	M	1					M	1	M	1

1   2   37   38

Gr. 1		Gr. 2		Gr. 5	
M	1	M	9	M	9999

1

RFF		TDT		NAD		EQD	
C	9	M	1	M	1	M	1

3   5   9   21

						Gr 7	
						C	9

LOC		DTM		RFF		DTM		MEA		SEL		TDT	
C	9	C	9	C	9	C	9	C	9	C	9	M	1

2

7   8   22   24   26   28   27

7.9.4. CODECO – DATA MODEL

```
                    ┌──────────────┐      BGM, RFF, Grp1 (TDT, LOC,
                    │    Header    │      DTM), Grp2 (NAD)
                    │   Details   │
                    └──────┬───────┘
              ┌────────────┴────────────┐
    ┌─────────┴────────┐      ┌─────────┴────────┐
    │    Container    │      │      Total      │
    │     Details    │      │     Details    │
    └──────────────────┘      └──────────────────┘

Grp3 (EQD, RFF, DTM,          CNT
MEA, SEL, Grp7 (TDT))
```
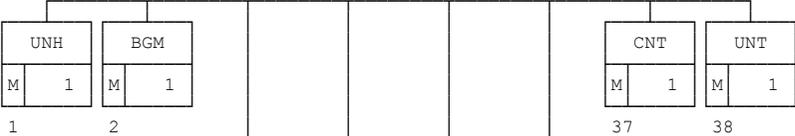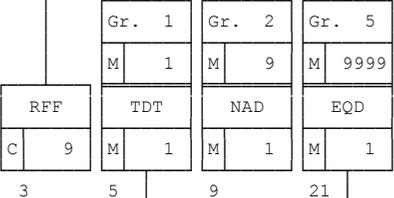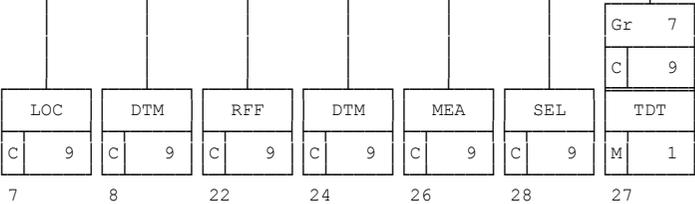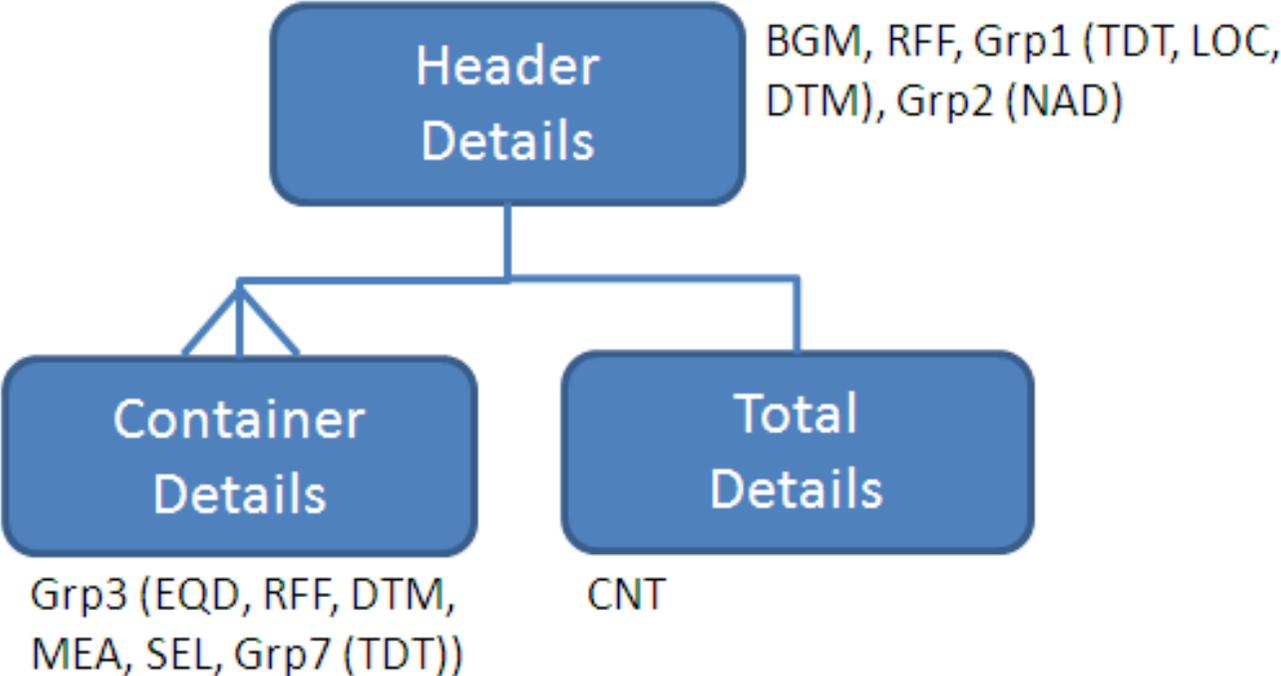
7.9.5. CODECO – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
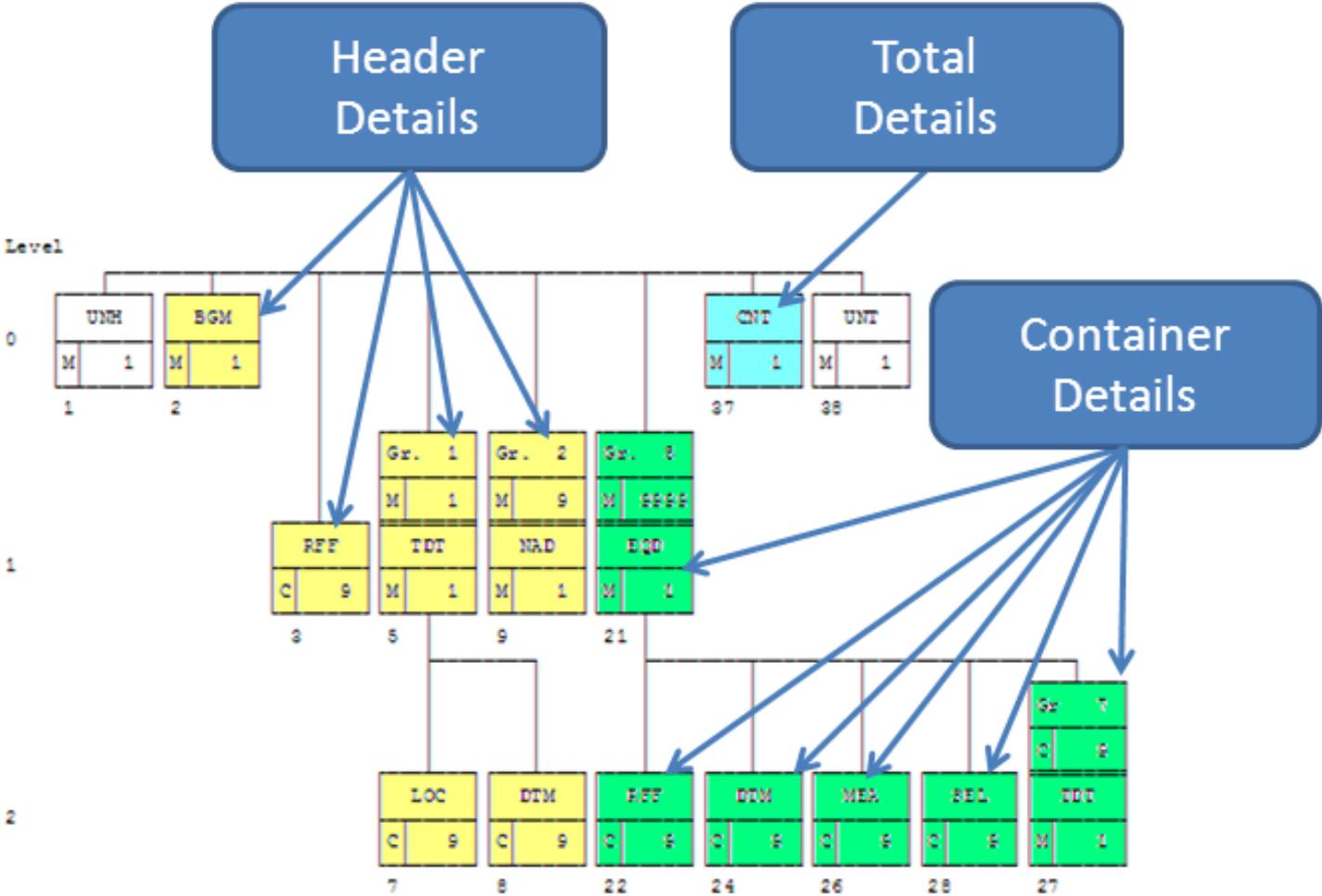
7.9.6. CODECO - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI CODECO interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+PORTOPERATIONS+SARSCAR+20140522:1042+11315'++CODECO++1+1234679'
Message Header	UNH+SN007028510009+CODECO:D:95B:UN:ITG14'
Header Details	BGM+36+CODECO11117+9' TDT+20+A960+1+13+PON:172:20+++GXUP:103::CITY OF CAPE TOWN' LOC+11+ZADUR:139:6+PNTDB:TER:ZZZ' DTM+132:20140515132200:203' DTM+133:201405171800:203' NAD+CF+SAF:172'
Container Details **(Group 3 occurrence 1)**	EQD+CN+CAXU2927080+22G1:102:5++3+5' RFF+CV:96366006' TMD+3' DTM+7:201422191046:203' MEA+AAE+G+KGM:10500' SEL+2006484+CA' DAM+1+94:::DENTED ON SEVERAL PLACES' TDT+1++3+31+CONRAD:172+++CA2823789' LOC+165+ZACPT:139:6+PNTCT:TER:ZZZ'
Total Details	CNT+16:1'
Message Trailer	UNT+18+SN007028510009'
Interchange Trailer	UNZ+1+11315'

7.10. *COSTCO (CONTAINER STUFFING/STRIPPING CONFIRMATION)*

7.10.1.COSTCO - OVERVIEW

The COSTCO message is used for reporting out turns to SARS electronically. Please refer to the Data Mapping Guide for the type of outturn reports that may be submitted.

For each COSTCO message received, SARS will return a CUSRES message with a Status 6 (Rejected), Status 8 (Accepted) or Status 9 (Duplicate).

7.10.2.COSTCO - DATA MAPPING GUIDE

<table>
<tr><th colspan="19">COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)</th></tr>
<tr><th>EDI ID</th><th>EDI DATA ELEMENT/SEG NAME</th><th>REQ</th><th>E-LEN</th><th>EDI QUALIFIER/DEFAULT</th><th>OCC</th><th>KEY</th><th>DATA ELEMENT NAME</th><th>TYPE</th><th>I-LEN</th><th>DOR</th><th>BBB</th><th>VOR</th><th>DCR</th><th>AOR</th><th>ADP</th><th>EOR</th><th>REMARKS</th></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>**DOR = Depot Cargo Outturn Report (Imports) - Per Voyage, could be more than one container. To be supplied by Container Depots only.**</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>**BBB = Bulk/Break Bulk/Cargo Outturn Report (Imports) - Per Voyage, per Consignment or multiple consignments. To be supplied by Portnet (B/BB) and Wharfage Operators.**</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>**VOR = Vessel Outturn Report (Imports). Unmanifested excess, per Voyage. To be supplied by Container Depots, Portnet (B/BB) and Wharfage Operators.**</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>**DCR = Discrepant Package Content Report (Imports). Per Voyage. To be supplied by Container Depots, Portnet (B/BB) and Wharfage Operators.**</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>**AOR = Air Cargo Outturn Report - Per Flight, per Consignment or multiple consignments. To be supplied by air cargo transit sheds and licensed degrouping depot operators**</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>**ADP = Air Discrepant Package Content Report (Imports). Per Voyage. (DRAFT)**</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>**EOR = Air Excess Outturn Report - Per Flight, per Consignment or multiple consignments. To be supplied by air cargo transit sheds and licensed degrouping depot**</td></tr>
<tr><td>UNH</td><td>**MESSAGE HEADER**</td><td>M</td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>To head, identify and specify a message.</td></tr>
<tr><td>OO62</td><td>MESSAGE REFERENCE NUMBER</td><td>M</td><td>an..14</td><td></td><td>>A</td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>A sender's unique message reference.</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>S009</td><td>MESSAGE IDENTIFIER</td><td>M</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>OO65</td><td>Message type</td><td>M</td><td>an..6</td><td>COSTCO</td><td>>A</td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>Type of message being transmitted.</td></tr>
<tr><td>OO52</td><td>Message version number</td><td>M</td><td>an..3</td><td>D</td><td>>A</td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>Version number of the message type. If UNG is used, 0052 shall be identical.</td></tr>
<tr><td>OO54</td><td>Message release number</td><td>M</td><td>an..3</td><td>95B</td><td>>A</td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>Release number within the current version number.</td></tr>
<tr><td>OO51</td><td>Controlling agency</td><td>M</td><td>an..2</td><td>UN</td><td>>A</td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>A code to identify the agency controlling the specification, maintenance and publication of the message type.</td></tr>
<tr><td>OO57</td><td>Association assigned code</td><td>C</td><td>an..6</td><td>ZZZ01</td><td>>A</td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>A code assigned by the association responsible for the design and maintenance of the message type. This subset is based on the ITIGG DMG for COSTCO, Version ITG10.</td></tr>
</table>

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
							COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)										
OO68	COMMON ACCESS REFERENCE	C	an.35														A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C															
OO70	Sequence of transfers	M	n..2														Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1														C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	**BEGINNING OF MESSAGE**	**M**			1												**To indicate the beginning of a message.**
C002	DOCUMENT/MESSAGE NAME	C															
1001	Document name, coded	C	an..3	788 = Container manifest (Unit packing list)	>A					X	X	X	X	X	X	X	
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														
1000	Document name	C	an..35	DOR = Depot Cargo Outturn Report	>A	14	DOCUMENT TYPE	AN	3	M							
				BBB = Bulk/Break Bulk/Cargo Outturn Report	>A						M						
				VOR = Vessel Outturn Report	>A							M					
				DCR = Discrepant Package Content Report	>A								M				
				AOR = Air Cargo Outturn Report	>A									M			
				ADP = Air Discrepant Package Content Report	>A										M		
				EOR = Air Excess Outturn Report	>A											M	
1004	DOCUMENT NUMBER	C	an..35		>A	10	DOCUMENT NUMBER	AN	35	M	M	M	M	M	M	M	A unique reference number assigned to the electronic document.
1225	MESSAGE FUNCTION, CODED	C	an..3	9 = Original	>A	13	MESSAGE FUNCTION	AN	3	M	M	M	M	M	M	M	
				4 = Change	>A					X	X	X	X	X	X	X	If a document is amended or cancelled, the reference number of the original message must be supplied within the following RFF segment, Qualifier ACW.
				1 = Cancellation	>A					X	X	X	X	X	X	X	If a document is amended or cancelled, the reference number of the original message must be supplied within the following RFF segment, Qualifier ACW.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
4343	RESPONSE TYPE, CODED	C	an..3														
FTX	FREE TEXT	C			9												To provide free form or coded text information.
4451	TEXT SUBJECT QUALIFIER	M	an..3	ABO = Discrepancy information	>A							X				X	
4453	TEXT FUNCTION, CODED	C	an..3														
C107	TEXT REFERENCE	C															
4441	Free text identification	M	an..17	1 = Excess	>A	983	EXCESS INDICATOR	AN	3			M				M	
				2 = No Excess	>A							X				X	
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														
C108	TEXT LITERAL	C															
4440	Free text	M	an..70														
4440	Free text	C	an..70														
4440	Free text	C	an..70														
4440	Free text	C	an..70														
4440	Free text	C	an..70														
3453	LANGUAGE, CODED	C	an..3														
RFF	REFERENCE	M			9												To specify a reference.
C506	REFERENCE	M															
1153	Reference qualifier	M	an..3	ACW = Reference to a previous message	>A					X	X	X	X	X	X	X	This qualifier is mandatory as well as the segment therefore it must always be supplied, irrespective of it being an original or an amendment message.
1154	Reference number	C	an..35		>A	949	DOCUMENT TO BE AMENDED	AN	35	O	O	O	O	O	O	O	Mandatory should this message be an amendment to a previous message or a cancellation of a previous message.
1156	Line number	C	an..6														
4000	Reference version number	C	an..35														

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
							COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)										
	START OF GROUP 1	M			1												
TDT	DETAILS OF TRANSPORT	M			1												To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.
8051	TRANSPORT STAGE QUALIFIER	M	an..3	20 = Main-carriage transport	>A					X	X	X	X	X	X	X	
8028	CONVEYANCE REFERENCE NO	C	an..17		>A	240	CONVEYANCE NUMBER	AN	17	M	M	M	M	M	M	M	Voyage number, flight number, trip number etc. as assigned by the principal carrier e.g. shipping line, airline etc operating the means of transport
C220	MODE OF TRANSPORT	C															
8067	Mode of transport, coded	C	an..3	SARS Code List 10	>A	180	TRANSPORT CODE	AN	3	M	M	M	M	M	M	M	Applicable numeric main carriage transport code (UN Recommendation 19). Also refer to the SARS Code List 9.
8066	Mode of transport	C	an..17														
C228	TRANSPORT MEANS	C															
8179	Type of means of transport identification	C	an..8														
8178	Type of means of transport	C	an..17														
C040	CARRIER	C															
3127	Carrier identification	C	an..17		>A	902	CARRIER CODE	AN	17	M	M	M	M	M	M	M	Operator code of the carrier operating the means of trsansport.
1131	Code list qualifier	C	an..3	172 = Carrier code	>A					X							
3055	Code list responsible agency, coded	C	an..3	20 = BIC (Bureau International Des Containeurs)	>A					X							
				166 = US, National Motor Freight Classification Association (SCAC Code)	>A					X							
3128	Carrier name	C	an..35														
8101	TRANSIT DIRECTION, CODED	C	an..3														
C401	EXCESS TRANSPORTATION INFORMATION	C															
8457	Excess transportation reason, coded	M	an..3														
8459	Excess transportation responsibility, coded	M	an..3														

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
	COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)																
7130	Customer authorization number	C	an..17														
C222	TRANSPORT IDENTIFICATION	C															
8213	Id. of means of transport identification	C	an..9		>A	904	TRANSPORT ID	AN	9	M	M	M	M	O	O	O	Registration number/ID of the means of transport.
1131	Code list qualifier	C	an..3	103 = Call sign directory	>A					X							
				146 = Means of transport identification	>A					X							
3055	Code list responsible agency, coded	C	an..3														
8212	Id. of the means of transport	C	an..35														
8453	Nationality of means of transport, coded	C	an..3														
8281	TRANSPORT OWNERSHIP, CODED	C	an..3														
LOC	**PLACE/LOCATION ID**	**C**			**9**												**To identify a country/place/location/related location.**
3227	PLACE/LOCATION QUALIFIER	M	an..3	11 = Port of discharge	>A					X	X	X	X	X	X	X	
C517	LOCATION IDENTIFICATION	C															
3225	Place/location identification	C	an..25	UN/LOCODE (ISO 3166)	>A	908	PLACE OF DISCHARGE	AN	5	M	M	M	M	O	M	M	
1131	Code list qualifier	C	an..3	139 = Port	>A					X	X	X	X	X	X	X	
3055	Code list responsible agency, coded	C	an..3	6 = UN	>A					X	X	X	X	X	X	X	
3224	Place/location	C	an..70														
C519	RELATED LOCATION ONE IDENTIFICATION	C															
3223	Related place/location one identification	C	an..25	SARS Code List 3	>A	941	TERMINAL/BERTH OF DISCHARGE	AN	25		M						For maritime Bulk and Break Bulk cargo the terminal of discharge must be specified.
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service							X						
3222	Related place/location one	C	an..70														
C553	RELATED LOCATION TWO IDENTIFICATION	C															
3233	Related place/location two identification	C	an..25														

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														
3232	Related place/location two	C	an..70														
5479	RELATION, CODED	C	an..3														
DTM	**DATE/TIME/PERIOD**	**C**			9												**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M															
2005	Date/time/period qualifier	M	an..3	132 = Estimated arrival date/time	>A					X	X	X	X	X	X	X	
				137 = Document/message date/time	>B					X	X	X	X	X	X	X	
2380	Date/time/period	C	an..35		>A	934	ACTUAL ARRIVAL DATE	N	12	M	M	M	M	M	M	M	Actual arrival date of the means of transport.
					>B	956	DOCUMENT DATE/TIME	N	12	M	M	M	M	M	M	M	The date the electronic document was produced. Insert as CCYYMMDDHHMM.
2379	Date/time/period format qualifier	C	an..3	203 = CCYYMMDDHHMM	>AB					X	X	X	X	X	X	X	
	END OF GROUP 1																
	START OF GROUP 2	**M**			9												
NAD	**NAME AND ADDRESS**	**M**			1												**To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 through 3207.**
3035	PARTY QUALIFIER	M	an..3	MS = Message sender	>A					X	X	X	X	X	X	X	
				RL = Reporting carrier	>B					X	X	X	X	X	X	X	
C082	PARTY IDENTIFICATION DETAILS	C															
3039	Party id. identification	M	an..35		>A	300	MESSAGE SENDER	AN	35	M	M	M	M	M	M	M	The ID of the sender of the EDI message.
					>B		OUTTURN PROVIDER CODE	AN	35	M	M	M	M	M	M	M	Code assigned by Customs to the party providing the outturn report etc.
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3	ZZZ = South African Revenue Service	>A					X	X	X	X	X	X	X	
C058	NAME AND ADDRESS	C															
3124	Name and address line	M	an..35														

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
	COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)																
3124	Name and address line	C	an..35														
3124	Name and address line	C	an..35														
3124	Name and address line	C	an..35														
3124	Name and address line	C	an..35														
C080	PARTY NAME	C															
3036	Party name	M	an..35														
3036	Party name	C	an..35														
3036	Party name	C	an..35														
3036	Party name	C	an..35														
3036	Party name	C	an..35														
3045	Party name format, coded	C	an..3														
C059	STREET	C															
3042	Street and number/p.o. box	M	an..35														
3042	Street and number/p.o. box	C	an..35														
3042	Street and number/p.o. box	C	an..35														
3164	CITY NAME	C	an..35														
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9														
3251	POSTCODE IDENTIFICATION	C	an..9														
3207	COUNTRY, CODED	C	an..3														
	END OF GROUP 2																
	START OF GROUP 3	M			999												
EQD	EQUIPMENT DETAILS	M			1												To identify a unit of equipment.
8053	EQUIPMENT QUALIFIER	M	an..3	CN = Container	>A		EQUIPMENT TYPE	AN	3	X		X	X	X			

COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)																
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
				BB = Bulk/Break-bulk	>A						X			X			Mandatory qualifier for Bulk and Break-bulk.
				UL = ULD (Unit load device)	>A										X	X	
C237	EQUIPMENT IDENTIFICATION	C															
8260	Equipment identification number	C	an..17		>A	390	CONTAINER NUMBER	AN	17	M		O	M		O	O	The container number consists of 11 digits of which the first 4 digits represent the alphabetic code and the next 7 digits represent the numeric number of the container. Mandatory for containerized cargo.
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														
3207	Country, coded	C	an..3														
C224	EQUIPMENT SIZE AND TYPE	C															
8155	Equipment size and type identification	C	an..10		>A	915/ 916	CONTAINER SIZE/TYPE	AN	4	M							The size and type of the container.
1131	Code list qualifier	C	an..3	102 = Size and type	>A					X							
3055	Code list responsible agency, coded	C	an..3	5 = ISO (International Standards Organization)	>A					X							
8154	Equipment size and type	C	an..35														
8077	EQUIPMENT SUPPLIER, CODED	C	an..3														
8249	EQUIPMENT STATUS, CODED	C	an..3	2 = Export	>A	943	CONTAINER STATUS	AN	3	M							
				3 = Import	>A					X							
				6 = Transhipment	>A					X							
8169	FULL/EMPTY INDICATOR, CODED	C	an..3	4 = Empty	>A	391	SERVICE TYPE	AN	3	M							Used to indicate the status of the container.
				5 = Full (FCL Groupage)	>A					X							
				7 = Full, mixed consignment (LCL)	>A					X							
				8 = Full, single consignment (FCL)	>A					X							
DTM	DATE/TIME/PERIOD	C			9												To specify date, and/or time, or period.
C507	DATE/TIME/PERIOD	M															

COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)																
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
2005	Date/time/period qualifier	M	an..3	164 = Processing end date	>A					X				X			
2380	Date/time/period	C	an..35		>A	952	DATE/TIME UNPACKED / DECONSOLIDATED	N	12	M				M			The date when the container is unpacked or air cargo is deconsolidated.
2379	Date/time/period format qualifier	C	an..3	203 = CCYYMMDDHHMM	>A					X				X			
SEL	SEAL NUMBER	C			9												**To specify a seal number related to equipment.**
9308	SEAL NUMBER	M	an..10		>A	394	SEAL NUMBER	AN	10	M					O	O	Should no Seal Number be available, "NO SEAL NO" must be specified within this field. This segment may occur a maximum of four times.
C215	SEAL ISSUER	C															
9303	Sealing party, coded	C	an..3	CA = Carrier	>A	948	SEALING PARTY	AN	3	M					O	O	
				CU = Customs	>A					X							
				SH = Shipper	>A					X							Seal as assigned by the Shipping Line.
				TO = Terminal operator	>A					X							On imports, the Seal Number assigned by the Terminal Operator should the Shipper's Seal be damaged.
				AA = Consolidator	>A					X							There will always be two occurrences with the AA qualifier. The first occurrence must always contain the Seal Number found on arrival at the Depot. The second occurrence must contain the Seal Number on un-packing the container. Both these Seal Numbers are mandatory.
				AB = Unknown	>A					X							
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														
9302	Sealing party	C	an..35														
4517	SEAL CONDITION, CODED	C	an..3	1 = In Right Condition	>A	946	SEAL STATUS	AN	3	M							
				2 = Damaged						X							
	END OF GROUP 3																
	START OF GROUP 4	M			999												
CNI	**CONSIGNMENT INFORMATION**	M			1												**To identify one consignment.**
1490	CONSOLIDATION ITEM NUMBER	C	n..4		>A		LINE NUMBER	N	4	O	O	M	O	O	O	M	Sequential line item number.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
	COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)																
C503	DOCUMENT/MESSAGE DETAILS	C															
1004	Document/message number	C	an..35		>A	912	TRANSPORT DOCUMENT NUMBER	AN	35	M	O		M	M	M		For sea, supply the house bill of lading number . For Air, in the case of a Master Air Waybill in respect of straight cargo, the Master Air Waybill Number will be reflected here. In the case of consolidated cargo, the House Air Waybill number will be reflected here. In respect of a sub-consolidations , the Sub Air Waybill Number must be reflected here.
1373	Document/message status, coded	C	an..3														
1366	Document/message source	C	an..35														
3453	Language, coded	C	an..3														
1312	CONSIGNMENT LOAD SEQUENCE NUMBER	C	n..4														
RFF	REFERENCE	C			9												To specify a reference.
C506	REFERENCE	M															
1153	Reference qualifier	M	an..3	AHY = Freight Forwarder Number	>A					X	X		X	X	X		
				AIH = Common transaction reference number	>B					X	X	X	X	X	X	X	
				AAZ = Standard Alpha Carrier Code (SCAC) number	>C												
				MB = Master Bill Of lading Number	>D												
				XP = Previous cargo control number	> E												
1154	Reference number	C	an..35		>A	935	CARGO CARRIER CODE	AN	35	M	O		M	M/O	M		For AOR: Mandatory if CONSOLIDATION INDICATOR = CO (CONSOL)
					>B	937	EXTERNAL REFERENCE	AN	35	O	O	O	O	O	O	O	A reference number assigned by the outturn provider.
					>C	901	MASTER CARGO CARRIER CODE	AN	35	O	O		O	M	M		
					>D	906	MASTER TRANSPORT DOCUMENT NUMBER	AN	35	O	O		O	M	M		For sea, supply the ocean bill of lading number . For Air, supply the master air waybill number
					>E		PARENT TRANSPORT DOCUMENT NUMBER	AN	35	O				O			For sub-consolidations the House Bill Number of the cosolidating / groupage agent
1156	Line number	C	an..6														
4000	Reference version number	C	an..35		>D		CONSOLIDATION INDICATOR	AN	3					M			For AOR, indicate if cargo is Consol or Straight
				CO = Consol										X			AOR only. Consol – a number of consignments grouped together by a freight forwarder/consolidator as one shipment.

COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)																
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
				ST = Straight										X			AOR only. Straight – a consignment carried under a master air waybill directly to a consignee without being consolidated by a freight forwarder/consolidator
	START OF GROUP 5	C			999												
GID	GOODS ITEM DETAILS	M			1												To indicate totals of a goods item.
1496	GOODS ITEM NUMBER	C	n..5		>A	401	GOODS LINE NUMBER	N	5	M	M	M	M	M	M	M	Line Number relevant to the consignment line item as per the Manifest, except for Document Type VOR, in which case a sequentially assigned number must be supplied.
C213	NUMBER AND TYPE OF PACKAGES	C															
7224	Number of packages	C	n..8		>A	290	NUMBER OF PACKAGES	N	8	M	M	O	M	O			Number of packages manifested. For Document Type BBB, as far as it relates to bulk cargo, use "1".
7065	Type of packages identification	C	an..17	UN Recommendation 21	>A	927	TYPE OF PACKAGES	AN	17	M	M	M	O	M	O	M	NOTE FOLLOWING CODES FOR BULK (to be discussed):Bulk, liquid = VL Bulk, solid, largeparticles("nodules") = VOBulk, liquefiedgas(atabnormaltemperature/pressure) = VQBulk, solid, granularparticles("grains") = VRBulk, solid, fineparticles("powders") = VY
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														
7064	Type of packages	C	an..35	DB = Dry bulk	>A	938	CARGO TYPE INDICATOR	AN	3	M	M	M	M	M	M	M	
				LB = Liquid bulk						X	X	X	X		X	X	
				BB = Break Bulk						X	X	X	X		X	X	
				CN = Container						X	X	X	X		X	X	
C213	NUMBER AND TYPE OF PACKAGES	C															
7224	Number of packages	C	n..8		>A	291	NUMBER OF PACKAGES FOUND	N	8	M	M	M	O	M	O	M	Packages found after unpacking. For Document Type BBB, as far as it relates to bulk cargo, use "1".
7065	Type of packages identification	C	an..17														
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														
7064	Type of packages	C	an..35														
C213	NUMBER AND TYPE OF PACKAGES	C															
7224	Number of packages	C	n..8														

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
7065	Type of packages identification	C	an..17														
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														
7064	Type of packages	C	an..35														
FTX	**FREE TEXT**	**C**			**9**												**To provide free form or coded text information.**
4451	TEXT SUBJECT QUALIFIER	M	an..3	DAR = Damage remarks	>A								X		X		
				AAQ = Package content's description	>B								X		X		
				AAA = Goods description	>C						X		X	X	X	X	
4453	TEXT FUNCTION, CODED	C	an..3														
C107	TEXT REFERENCE	C															
4441	Free text identification	M	an..17	1 = Damaged	>A	292	PACKAGE CONDITION CODE	AN	3				M		M		
				2 = Open/Broached	>A								X		X		
				3 = Ullaged/Leaking/Evaporated	>A								X		X		
				4 = Other	>A												
				1 = Excess	>C	293	EXCESS/SHORT INDICATOR/ CARGO STATUS INDICATOR	AN	3	O			O	O	O	O	
				2 = Short	>C						X		X	X	X		
				3 = No Descrepancy	>C								X		X		
				4 = Unknown	>C								X		X		
				5 = Part Shipment	>C						X				X		To be used when goods are to be received in part shipments by a temporary storage facility.
				6 = Split Storage	>C							X					To be used for bulk goods stored at more than one temporary storage facility.
				7 = Overcarried	>C											X	Unexpected goods received
				8 = Short landed received	>C											X	Additional goods received against previously short landed consignment
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
C108	TEXT LITERAL	C															
4440	Free text	M	an..70		>A	294	PACKAGE CONDITION DESC - 1	AN	70				O/M		O/M		Must be supplied if Condition Code = Other
					>B	295	CONTENTS FOUND TO BE - 1	AN	70				M		M		
					>C	296	CONTENTS SHOULD BE - 1	AN	70				O/M		O/M	O/M	Mandatory if Excess/Short indicator = 1 or 2.
4440	Free text	C	an..70		>A	294	PACKAGE CONDITION DESC - 2	AN	70				O		O		
					>B	295	CONTENTS FOUND TO BE - 2	AN	70				O		O		
					>C	296	CONTENTS SHOULD BE - 2	AN	70				O		O		
4440	Free text	C	an..70		>A	294	PACKAGE CONDITION DESC - 3	AN	70				O		O		
					>B	295	CONTENTS FOUND TO BE - 3	AN	70				O		O		
					>C	296	CONTENTS SHOULD BE - 3	AN	70				O		O		
4440	Free text	C	an..70		>A	294	PACKAGE CONDITION DESC - 4	AN	70				O		O		
					>B	295	CONTENTS FOUND TO BE - 4	AN	70				O		O		
					>C	296	CONTENTS SHOULD BE - 4	AN	70				O		O		
4440	Free text	C	an..70		>A	294	PACKAGE CONDITION DESC - 5	AN	70				O		O		
					>B	295	CONTENTS FOUND TO BE - 5	AN	70				O		O		
					>C	296	CONTENTS SHOULD BE - 5	AN	70				O		O		
3453	LANGUAGE, CODED	C	an..3														
MEA	MEASUREMENTS	C			9												To specify physical measurements including dimension tolerances, weights and counts.
6311	MEASUREMENT APPLICATION QUALIFIER	M	an..3	AAE = Measurement	>ABCD					X	X			X			
C502	MEASUREMENT DETAILS	C															
6313	Measurement Dimension, Coded	C	an..3	G = Gross weight	>A					X	X			X			
				ACE = Weight Ascertained	>B					X	X			X			
				ABV = Cargo Loaded	>C					X	X			X			
				ABW = Cargo Discharged	>D					X	X			X			
6321	Measurement Significance, Coded	C	an..3														
6155	Measurement Attribute, Coded	C	an..3														

COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)															
EDI ID	**EDI DATA ELEMENT/SEG NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**KEY**	**DATA ELEMENT NAME**	**TYPE**	**I-LEN**	**DOR**	**BBB**	**VOR**	**DCR**	**AOR**	**ADP**	**EOR**	**REMARKS**
6154	Measurement Attribute	C	an..70														
C174	VALUE/RANGE	C															
6411	Measure Unit Qualifier	M	an..3	KGM = Kilogram	>AB	680	UNIT OF MEASURE - WEIGHT	AN	3	M	M			M			
				LTR = Litre	>CD	680	UNIT OF MEASURE - LIQUID	AN	3	O/M	O/M			O/M			Mandatory for liquid bulk.
6314	Measurement Value	C	n..18		>A	260	GROSS WEIGHT	N	18(0)	M	M			M			Gross weight manifested.
					>B	954	GROSS WEIGHT FOUND	N	18(0)	M	M			M			Gross weight found on unpacking.
					>C		GROSS LITRES	N	18(0)	O	O			O			Mandatory for liquid bulk.
					>D		GROSS LITRES FOUND	N	18(0)	O	O			O			Gross litres found on unpacking. Mandatory for liquid bulk.
6162	Range Minimum	C	n..18														
6152	Range Maximum	C	n..18														
6432	Significant Digits	C	n..2														
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3														
PCI	**PACKAGE IDENTIFICATION**	**C**			**9**												**To specify markings and labels on individual packages or physical units.**
4233	MARKING INSTRUCTIONS, CODED	C	an..3	24 = Shipper assigned	>A					X	X	X	X	X	X	X	
C210	MARKS & LABELS	C															
7102	Shipping marks	M	an..35		>A	340	MARKS AND NUMBERS - 1	AN	35	M	M	M	M	M	M	M	If no marks then state "NO MARKS".
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 2	AN	35	O	O	O	O	O	O	O	
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 3	AN	35	O	O	O	O	O	O	O	
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 4	AN	35	O	O	O	O	O	O	O	
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 5	AN	35	O	O	O	O	O	O	O	
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 6	AN	35	O	O	O	O	O	O	O	
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 7	AN	35	O	O	O	O	O	O	O	
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 8	AN	35	O	O	O	O	O	O	O	
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 9	AN	35	O	O	O	O	O	O	O	
7102	Shipping marks	C	an..35		>A	340	MARKS AND NUMBERS - 10	AN	35	O	O	O	O	O	O	O	

COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)																
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
8275	CONTAINER/PACKAGE STATUS, CODED	C	an..3														
C827	TYPE OF MARKING	C															
7511	Type of marking, coded	M	an..3														
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														
	START OF GROUP 6	M			999												
SGP	SPLIT GOODS PLACEMENT	M			1												To specify the placement of goods in relation to equipment.
C237	EQUIPMENT IDENTIFICATION	M															
8260	Equipment identification number	C	an..17		>A	955	CONTAINER NUMBER/CONSIGNMENT	AN	17	M	M	M	M	M	M	M	Container number that contains this consignment. Use 1 for non-containerized cargo.
1131	Code list qualifier	C	an..3														
3055	Code list responsible agency, coded	C	an..3														
3207	Country, coded	C	an..3														
7224	NUMBER OF PACKAGES	C	n..8		>A	953	CONTAINER CONTENT	N	8	M		O				O	The actual number of packages in the container for this consignment.
	END OF GROUP 6																
	END OF GROUP 5																
	END OF GROUP 4																
CNT	CONTROL TOTAL	M			1												To provide a control total.
C270	CONTROL	M															
6069	Control qualifier	M	an..3	16 = Total number of equipment	>A												
6066	Control value	M	n..18		>A	929	TOTAL NUMBER OF PACKAGES	N	18	M	M	M	M	M	M	M	For all cargo, i.e. containerised cargo, bulk and break-bulk, the field TOTAL NUMBER OF PACKAGES must contain the accumulated total of all NUMBER OF PACKAGES FOUND fields reported within the COSTCO message.
6411	Measure unit qualifier	C	an..3														

	COSTCO (D95B) DATA MAPPING GUIDE (V19 – 2014/02/22)																
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	DOR	BBB	VOR	DCR	AOR	ADP	EOR	REMARKS
UNT	**MESSAGE TRAILER**	**M**			**1**												**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN THE MESSAGE	M	n..6		>A					X	X	X	X	X	X	X	Control count including UNH and UNT.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	X	X	X	X	X	Shall be identical to 0062 in UNH.
	END OF MESSAGE																

7.10.3.COSTCO - BRANCHING DIAGRAM

Level

0

UNH		BGM	
M	1	M	1

1   2

Gr. 1		Gr. 2		Gr. 3		Gr. 4	
M	1	M	9	M	999	M	999

1

FTX		RFF		TDT		NAD		EQD		CNI		CNT	
C	9	M	9	M	1	M	1	M	1	M	1	M	1

3   4   6   10   13   22   43

Gr. 5	
C	999

2

LOC		DTM		DTM		SEL		RFF		GID	
C	9	C	9	C	9	C	1	C	9	M	1

7   8   15   18   23   25

Gr. 6	
M	999

3

FTX		MEA		PCI		SGP	
C	9	C	9	C	9	M	1

29   30   31   34

4

UNT	
M	1

44

7.10.4.COSTCO – DATA MODEL

Header Details — BGM, FTX, RFF, Grp1(TDT, LOC, DTM) Grp2 (NAD)

Container(s) — Grp3(EQD, DTM, SEL)

Bill of Lading — Grp4(CNI, RFF)

Total Details — CNT

Bill of Lading Line — Grp5 (GID, FTX, MEA, PCI)

Container Location — Grp6 (SGP)
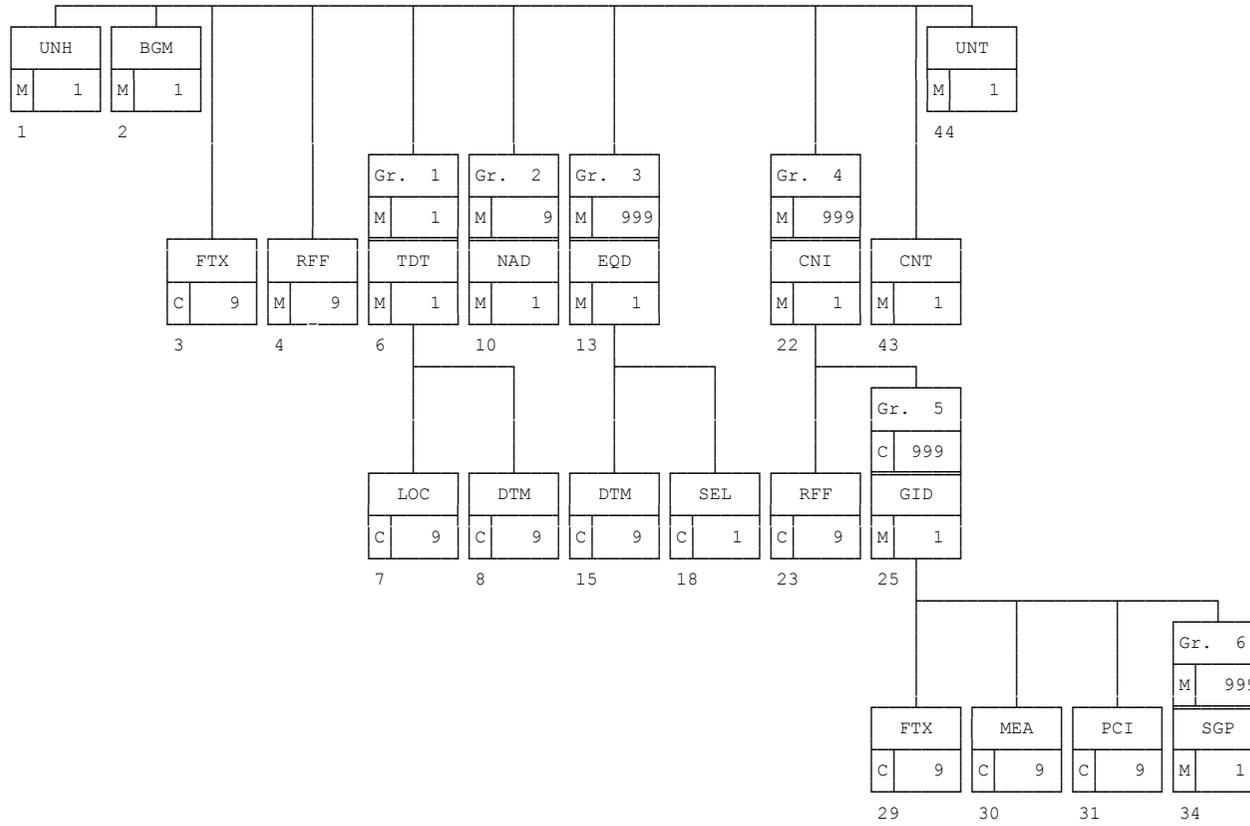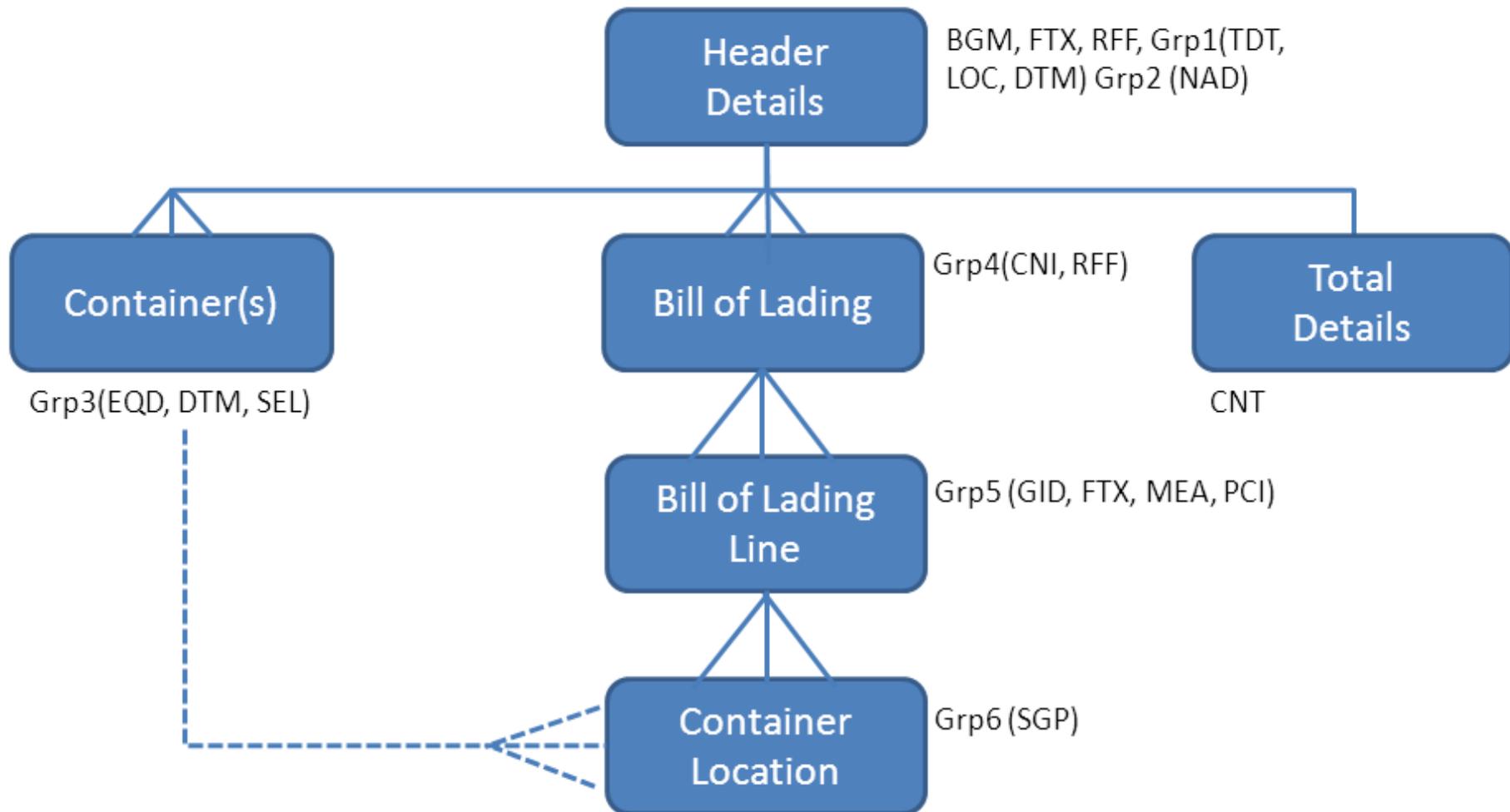
7.10.5.COSTCO – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
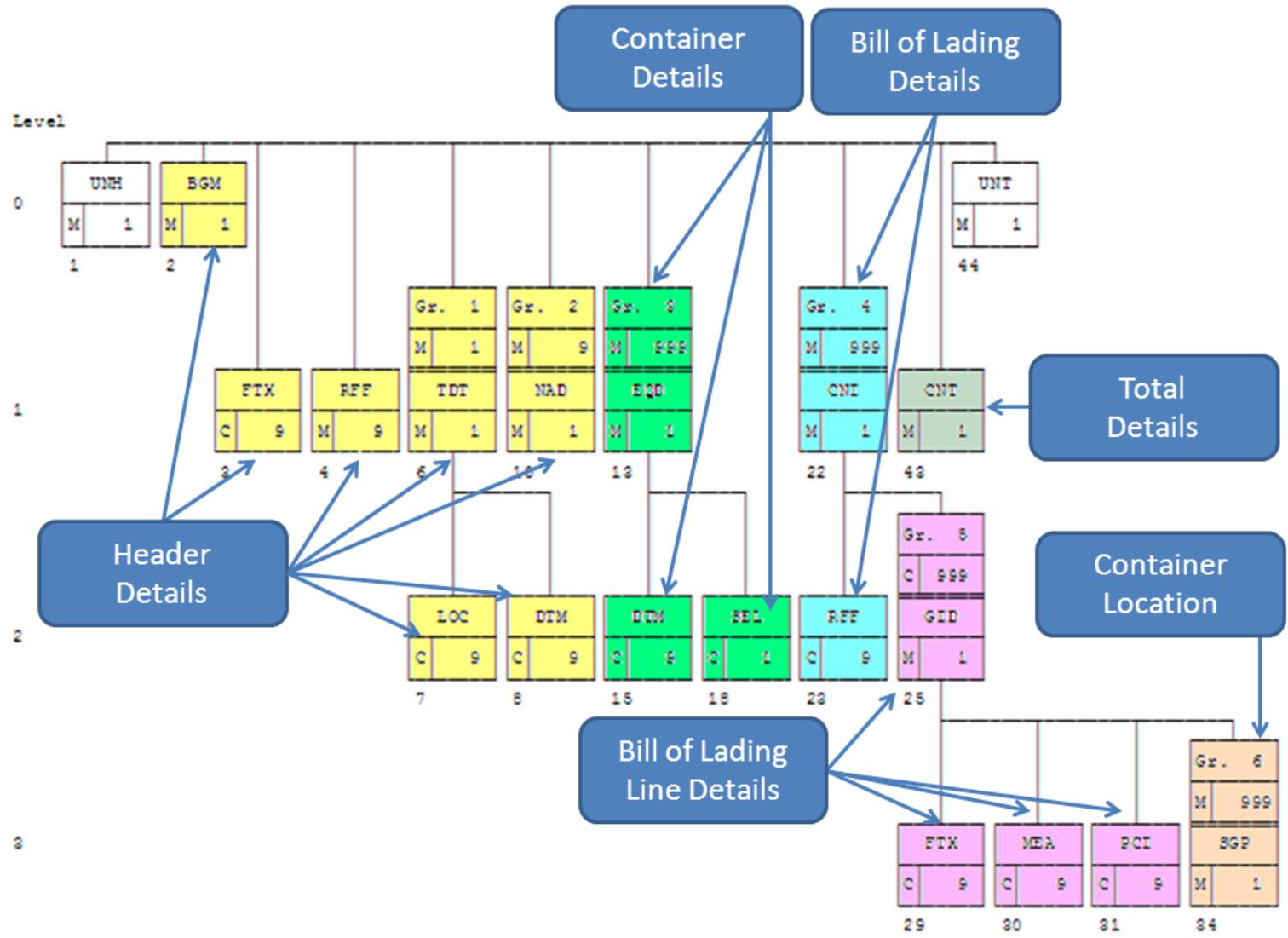
7.10.6. COSTCO - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI COSTCO interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+SENDER+SARSCAR+20140724:1655+00000036004574+AAAAAAAAAAAAAA:BB+COSTCO++1+ABC'
Message Header	UNH+7253+COSTCO:D:95B:UN:ZZZ01'
Header Details	BGM+788:::DCR+149497+9' RFF+ACW' TDT+20+006W+1++KLI:172:20+++A8CS3:103::NE NAME' LOC+11+ZACPT:139:6' DTM+132:201407240700:203' DTM+137:201407240700:203' NAD+MS+ABC' NAD+RL+XYZ'
Container Details (Group 6 occurrence 1)	EQD+CN+KKTU7919337'
Bill of Lading Details (Group 4 occurrence 1)	CNI+1+CPT/617440' RFF+AHY:00300508' RFF+AAZ:KLI' RFF+AIH:CD12A/13975' RFF+MB:KKLUHA79785800'
Bill of Lading Line Details (Group 5 occurrence 1)	GID+201+:CT+206' FTX+DAR++1+SQUASHED' FTX+AAQ+++UNCHECKED 206-CARTON S' FTX+AAA++3+ALARM EQUIPMENT HS CODE 85319010 / 85311000 T/S CARGO FM SHENZHEN TO' PCI+24+LHIS20120600 CLF002 SZ-SA MADE IN C:HINA C/NO.'
Container Location Details (Group 6 occurrence 1)	SGP+KKTU7919337'
Bill of Lading Details (Group 4 occurrence 2)	CNI+2+CPT/617439' RFF+AHY:00300508' RFF+AAZ:KLI' RFF+AIH:CD12A/13975' RFF+MB:KKLUHA79785800'
Bill of Lading Line Details (Group 5 occurrence 1)	GID+101+:CT+200' FTX+DAR++1+SQUASHED'

	FTX+AAQ+++UNCHECKED 200-CARTON S' FTX+AAA++3+100GSM HIGH TACKY SUBLIMATION PAPER T/S CARGO FM SHANGHAI TO CAPE TOW' PCI+24+SUBLIMATION HOUSE PTY LTD 200CTNS:PACKED ON 8PLTS'
Container Location Details **(Group 6 occurrence 1)**	SGP+KKTU7919337'
Total Details	CNT+16:406'
Message Trailer	UNT+34+7253'
Interchange Trailer	UNZ+1+00000036004574'

7.11. *PRODAT (PRODUCT DATA)*

7.11.1.PRODAT - OVERVIEW

Tariffs are amended on a regular basis and get published in the Government Gazette. Agents then need to update their master files with the amended information in order to supply the correct tariff information on declarations. This is a time consuming, tedious capturing and checking effort.

With the introduction of the PRODAT message, tariff amendments are automatically downloaded from SARS' Loose Leaf Tariff System and forwarded to parties requesting such information. This data can then be processed automatically by the recipient's computer system, eliminating the capturing and checking process.

7.11.2.PRODAT - DATA MAPPING GUIDE

PRODAT (D96B) DATA MAPPING GUIDE (V15 – 2009/10/29)
EDI ID	**EDI DATA ELEMENT/SEG NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**KEY**	**DATA ELEMENT NAME**	**TYPE**	**I-LEN**	**SCH 1P1**	**SCH 1P2A**	**SCH 1P2B**	**SCH 1P5**	**SCH 1P8**	**SCH 2**	**SCH 3**	**SCH 4**	**SCH 5**	**SCH 6**		**REMARKS**
UNH	**MESSAGE HEADER**	M			1	1															**To head, identify and specify a message.**
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	X	X	X	X	X	X	X	X		A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M																			
OO65	Message type	M	an..6	PRODAT	>A					X	X	X	X	X	X	X	X	X	X		Type of message being transmitted.
OO52	Message version number	M	an..3	D	>A					X	X	X	X	X	X	X	X	X	X		Version number of the message type. If UNG is used, 0052 shall be identical.
OO54	Message release number	M	an..3	96B	>A					X	X	X	X	X	X	X	X	X	X		Release number within the current version number.
OO51	Controlling agency	M	an..2	UN	>A					X	X	X	X	X	X	X	X	X	X		A code to identify the agency controlling the specification, maintenance and publication of the message type.
OO57	Association assigned code	C	an..6	ZZZ01	>A					X	X	X	X	X	X	X	X	X	X		A code assigned by the association responsible for the design and maintenance of the message type (Import declarations).
OO68	COMMON ACCESS REFERENCE	C	an.35																		A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C																			
OO70	Sequence of transfers	M	n..2																		Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1																		C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	**BEGINNING OF MESSAGE**	M			1																**To indicate the beginning of a message.**
C002	DOCUMENT/MESSAGE NAME	C																			

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH 1P1	SCH 1P2A	SCH 1P2B	SCH 1P5	SCH 1P8	SCH 2	SCH 3	SCH 4	SCH 5	SCH 6	REMARKS
1001	Document/message name, coded	C	an..3	6 = Product specification report	>A															
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
1000	Document/message name	C	an..35																	
C106	DOCUMENT/MESSAGE ID	C																		
1004	Document/message number	C	an..35		>A	260	Government Gazette Publication Number	AN	35	X	X	X	X	X	X	X	X	X	X	Number of the Government Gazette.
1056	Version	C	an..9																	
1060	Revision number	C	an..6																	
1225	MESSAGE FUNCTION, CODED	C	an..3	9 = Original	>A	20	Transaction Type	AN	3	X	X	X	X	X	X	X	X	X	X	New Tariff.
				4 = Change	>A					X	X	X	X	X	X	X	X	X	X	Alter an Existing Tariff.
				3 = Deletion	>A					X	X	X	X	X	X	X	X	X	X	Delete an Existing Tariff.
				2 = Addition	>A					X	X	X	X	X	X	X	X	X	X	Used to denote a master file update.
4343	RESPONSE TYPE, CODED	C	an..3																	
DTM	DATE/TIME/PERIOD	M			10															To specify date, and/or time, or period.
C507	DATE/TIME/PERIOD	M																		
2005	Date/time/period qualifier	M	an..3	302 = Publication date	>A															
2380	Date/time/period	C	an..35		>A	230	Government Gazette Publication Date	N	8	X	X	X	X	X	X	X	X	X	X	Date the Government gazette was published. Format YYYYMMDD.
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMYY	>A															
FTX	FREE TEXT	C			5															To provide free form or coded text information.
4451	TEXT SUBJECT QUALIFIER	M	an..3	AAI = General Information	>A															
				AAI = General Information	>B															

PRODAT (D96B) DATA MAPPING GUIDE (V15 – 2009/10/29)

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH 1P1	SCH 1P2A	SCH 1P2B	SCH 1P5	SCH 1P8	SCH 2	SCH 3	SCH 4	SCH 5	SCH 6	REMARKS
	PRODAT (D96B) DATA MAPPING GUIDE (V15 – 2009/10/29)																			
4453	TEXT FUNCTION, CODED	C	an..3																	
C107	TEXT REFERENCE	C																		
4441	Free text identification	M	an..17																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C108	TEXT LITERAL	C																		
4440	Free text	M	an..70		>A		Disclaimer - 1	AN	70	X	X	X	X	X	X	X	X	X	X	Disclaimer statement, first line.
					>B		Disclaimer - 6	AN	70	X	X	X	X	X	X	X	X	X	X	Disclaimer statement, sixth line.
4440	Free text	C	an..70		>A		Disclaimer - 2	AN	70	X	X	X	X	X	X	X	X	X	X	Disclaimer statement, second line.
					>B		Disclaimer - 7	AN	70	X	X	X	X	X	X	X	X	X	X	Disclaimer statement, seventh line.
4440	Free text	C	an..70		>A		Disclaimer - 3	AN	70	X	X	X	X	X	X	X	X	X	X	Disclaimer statement, third line.
4440	Free text	C	an..70		>A		Disclaimer - 4	AN	70	X	X	X	X	X	X	X	X	X	X	Disclaimer statement, fourth line.
4440	Free text	C	an..70		>A		Disclaimer - 5	AN	70	X	X	X	X	X	X	X	X	X	X	Disclaimer statement, fifth line.
3453	LANGUAGE, CODED	C	an..3																	
	START OF GROUP 8	M				999														
LIN	**LINE ITEM**	M				1														**To identify a line item and configuration.**
1082	LINE ITEM NUMBER	C	n..6		>A	250	Line Number	N	6	X	X	X	X	X	X	X	X	X	X	Sequential line number.
1229	ACTION REQUEST/NOTIF, CODED	C	an..3																	
C212	ITEM NUMBER IDENTIFICATION	C																		
7140	Item number	C	an..35		>A	30	Item	AN	12		X	X	X	X	X	X	X	X	X	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH 1P1	SCH 1P2A	SCH 1P2B	SCH 1P5	SCH 1P8	SCH 2	SCH 3	SCH 4	SCH 5	SCH 6	REMARKS
top	**PRODAT (D96B) DATA MAPPING GUIDE (V15 – 2009/10/29)**																			
7143	Item number type, coded	C	an..3																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C829	SUB-LINE INFORMATION	C																		
5495	Sub-line indicator, coded	C	an..3																	
1082	Line item number	C	n..6																	
1222	CONFIGURATION LEVEL	C	n..2																	
7083	CONFIGURATION, CODED	C	an..3																	
PIA	ADDITIONAL PRODUCT ID	C			10															To specify additional or substitutional item identification codes.
4347	PRODUCT ID. FUNCTION QUALIFIER	M	an..3	5 = Product identification	>A															
C212	ITEM NUMBER IDENTIFICATION	M																		
7140	Item number	C	an..35	1 = Indicator	>A			AN	1	X	X	X	X	X	X	X	X	X	X	Indicator for Mandatory purposes always set to 1.
7143	Item number type, coded	C	an..3																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C212	ITEM NUMBER IDENTIFICATION	C																		
7140	Item number	C	an..35		>A	60	Tariff Heading	AN	12	X	X	X	X		X	X	X	X	X	
7143	Item number type, coded	C	an..3																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C212	ITEM NUMBER IDENTIFICATION	C																		

PRODAT (D96B) DATA MAPPING GUIDE (V15 – 2009/10/29)

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH 1P1	SCH 1P2A	SCH 1P2B	SCH 1P5	SCH 1P8	SCH 2	SCH 3	SCH 4	SCH 5	SCH 6	REMARKS
7140	Item number	C	an..35		>A	50	Code	AN	8						X	X	X	X	X	
7143	Item number type, coded	C	an..3																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C212	ITEM NUMBER IDENTIFICATION	C																		
7140	Item number	C	an..35		>A	70	Tariff Sub Heading	AN	14	X		X								
7143	Item number type, coded	C	an..3																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C212	ITEM NUMBER IDENTIFICATION	C																		
7140	Item number	C	an..35		>A	80	Check Digit	AN	2	X					X	X	X	X	X	
7143	Item number type, coded	C	an..3																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
3453	LANGUAGE, CODED	C	an..3																	
DTM	DATE/TIME/PERIOD	C			5															**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M																		
2005	Date/time/period qualifier	M	an..3	7 = Effective date	>A															
				206 = End date	>B															
2380	Date/time/period	C	an..35		>A	210	Effective Date	N	8	X	X	X	X	X	X	X	X	X	X	Effective Date of the amendment. Format YYYYMMDD.
					>B	220	Cancel Date	N	8	X	X	X	X	X	X	X	X	X	X	Date of cancellation of the tariff. Format YYYYMMDD.
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMYY	>A															

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH 1P1	SCH 1P2A	SCH 1P2B	SCH 1P5	SCH 1P8	SCH 2	SCH 3	SCH 4	SCH 5	SCH 6	REMARKS
																				PRODAT (D96B) DATA MAPPING GUIDE (V15 – 2009/10/29)
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMYY	>B															
MEA	MEASUREMENTS	C			10															To specify physical measurements, including dimension tolerances, weights and counts.
6311	MEASUREMENT APPLICATION QUALIFIER	M	an..3	AAE = Measurement	>A															
C502	MEASUREMENT DETAILS	C																		
6313	Measurement dimension, coded	C	an..3																	
6321	Measurement significance, coded	C	an..3																	
6155	Measurement attribute identification	C	an..17																	
6154	Measurement attribute	C	an..70		>A	100	Statistical Unit	AN	50	X										
C174	VALUE/RANGE	C																		
6411	Measure unit qualifier	M	an..3																	
6314	Measurement value	C	an..18																	
6162	Range minimum	C	n..18																	
6152	Range maximum	C	n..18																	
6432	Significant digits	C	n..2																	
7383	SURFACE/LAYER INDICATOR, CODED	C	an..3																	
FTX	FREE TEXT	C			99															To provide free form or coded text information.
4451	TEXT SUBJECT QUALIFIER	M	an..3	AAA = Goods description	>A															
					ACB = Additional information	>B														
					A01 = Additional information	>C														Non Standard UN/EDIFACT Qualifier.
					A02 = Additional information	>D														Non Standard UN/EDIFACT Qualifier.
					A03 = Additional information	>E														Non Standard UN/EDIFACT Qualifier.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH 1P1	SCH 1P2A	SCH 1P2B	SCH 1P5	SCH 1P8	SCH 2	SCH 3	SCH 4	SCH 5	SCH 6	REMARKS
				A04 = Additional information	>F															Non Standard UN/EDIFACT Qualifier.
				A05 = Additional information	>G															Non Standard UN/EDIFACT Qualifier.
				A06 = Additional information	>H															Non Standard UN/EDIFACT Qualifier.
				A07 = Additional information	>I															Non Standard UN/EDIFACT Qualifier.
				A08 = Additional information	>J															Non Standard UN/EDIFACT Qualifier.
				A09 = Additional information	>K															Non Standard UN/EDIFACT Qualifier.
				A10 = Additional information	>L															Non Standard UN/EDIFACT Qualifier.
				A11 = Additional information	>M															Non Standard UN/EDIFACT Qualifier.
4453	TEXT FUNCTION, CODED	C	an..3																	
C107	TEXT REFERENCE	C																		
4441	Free text identification	M	an..17																	
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
C108	TEXT LITERAL	C																		
4440	Free text	M	an..70		>A	90	Article Description - 1	AN	70	X	X	X	X	X	X	X	X	X	X	
					>B	90	Article Description - 6	AN	70	X	X	X	X	X	X	X	X	X	X	
					>C	110	Rate of Duty - 1	AN	70	X			X	X	X					
					>D	120	Rate of Duty SADC - 1	AN	70	X										
					>E	130	Rate of Duty EU - 1	AN	70	X										
					>F	140	Imported From - 1	AN	70						X					
					>G	150	Rate of Duty - Excise - 1	AN	70		X	X								
					>H	160	Rate of Duty - Customs - 1	AN	70		X	X								
					>I	180	Extent of Rebate - 1	AN	70							X	X		X	Contains the Tariff Heading of Schedule 1.

	PRODAT (D96B) DATA MAPPING GUIDE (V15 – 2009/10/29)																			
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH 1P1	SCH 1P2A	SCH 1P2B	SCH 1P5	SCH 1P8	SCH 2	SCH 3	SCH 4	SCH 5	SCH 6	REMARKS
					>J	190	Extent of Drawback - 1	AN	70									X		
					>K	200	Extent of Refund - 1	AN	70										X	
					>L	240	Government Gazette Notice Number	AN	35	X	X	X	X	X	X	X	X	X	X	
					>M		Rate of Duty EFTA - 1	AN	70	X										
4440	Free text	C	an..70		>A	90	Article Description -2	AN	70	X	X	X	X	X	X	X	X	X	X	
					>B	90	Article Description - 7	AN	70	X	X	X	X	X	X	X	X	X	X	
					>C	110	Rate of Duty - 2	AN	70	X					X	X	X			
					>D	120	Rate of Duty SADC - 2	AN	30	X										
					>E	130	Rate of Duty EU - 2	AN	30	X										
					>F	140	Imported From - 2	AN	70						X					
					>G	150	Rate of Duty - Excise - 2	AN	30		X	X								
					>H	160	Rate of Duty - Customs - 2	AN	30		X	X								
					>I	180	Extent of Rebate - 2	AN	70							X	X		X	Contains the Tariff Heading of Schedule 1.
					>J	190	Extent of Drawback - 2	AN	70									X		
					>K	200	Extent of Refund - 2	AN	70										X	
					>M		Rate of Duty EFTA - 2	AN	30	X										
4440	Free text	C	an..70		>A	90	Article Description - 3	AN	70	X	X	X	X	X	X	X	X	X	X	
					>B	90	Article Description - 8	AN	70	X	X	X	X	X	X	X	X	X	X	
					>C	110	Rate of Duty - 3	AN	60	X					X	X	X			
					>D		Rate of Duty SADC Formula	AN	10	X										
					>E		Rate of Duty EU Formula	AN	10	X										
					>F	140	Imported From - 3	AN	70						X					
					>G		Rate of Duty - Excise Formula	AN	10		X	X								

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH 1P1	SCH 1P2A	SCH 1P2B	SCH 1P5	SCH 1P8	SCH 2	SCH 3	SCH 4	SCH 5	SCH 6	REMARKS
																				PRODAT (D96B) DATA MAPPING GUIDE (V15 – 2009/10/29)
					>H		Rate of Duty - Customs Formula	AN	10		X	X								
					>I	180	Extent of Rebate - 3	AN	60							X	X		X	Contains the Tariff Heading of Schedule 1.
					>J	190	Extent of Drawback - 3	AN	60									X		
					>K	200	Extent of Refund - 3	AN	60										X	
					>M		Rate of Duty EFTA Formula	AN	10	X										
4440	Free text	C	an..70		>A	90	Article Description - 4	AN	70	X	X	X	X	X	X	X	X	X	X	
					>B	90	Article Description - 9	AN	70	X	X	X	X	X	X	X	X	X	X	
					>C		Rate of Duty Formula	AN	10	X				X	X	X				
					>F	140	Imported From - 4	AN	45						X					
					>I		Extent of Rebate Formula	AN	10							X	X		X	Contains the Tariff Heading of Schedule 1.
					>J		Extent of Drawback Formula	AN	10									X		
					>K		Extent of Refund Formula	AN	10										X	
4440	Free text	C	an..70		>A	90	Article Description - 5	AN	70	X	X	X	X	X	X	X	X	X	X	
					>B	90	Article Description - 10	AN	70	X	X	X	X	X	X	X	X	X	X	
3453	LANGUAGE, CODED	C	an..3																	
PGI	**PRODUCT GROUP INFO**	**C**			**10**															**To indicate the group in which a product belongs.**
5379	PRODUCT GROUP TYPE, CODED	M	an..3	11 = Product group	>A															
C288	PRODUCT GROUP	C																		
5389	Product group, coded	C	an..3	1P1 = Ordinary Customs duties	>A	10	Schedule Type	AN	3	X	X	X	X	X	X	X	X	X	X	Code to identify the type of Schedule.

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	SCH 1P1	SCH 1P2A	SCH 1P2B	SCH 1P5	SCH 1P8	SCH 2	SCH 3	SCH 4	SCH 5	SCH 6	REMARKS
				12A = Specific excise duties, and specific customs duties on imported goods of the same class or kind	>A															
				12B = Ad valorem excise duties, and ad valorem customs duties on imported goods of the same class or kind.	>A															
				1P5 = Fuel levy	>A															
				1P8 = Ordinary levy	>A															
				2 = Anti-dumping and countervailing duties on imported goods	>A															
				3 = Industrial rebates of customs duties	>A															
				4 = General rebates of customs duties and fuel levy	>A															
				5 = Specific drawbacks and refunds of customs duties and fuel levy	>A															
				6 = Rebates and refunds of excise duties and fuel levy	>A															
1131	Code list qualifier	C	an..3																	
3055	Code list responsible agency, coded	C	an..3																	
5388	Product group	C	an..35																	
	END OF GROUP 8																			
UNT	**MESSAGE TRAILER**	M			1															**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN THE MESSAGE	M	n..6		>A					X	X	X	X	X	X	X	X	X	X	Control count including UNH and UNT.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	X	X	X	X	X	X	X	X	Shall be identical to 0062 in UNH.
	END OF PRODAT MESSAGE																			

7.11.3.PRODAT - BRANCHING DIAGRAM

Level

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                                            ┌────────┬─────┬──────┬─────────────────────────┐
                                            │        │     │      │                         │
                                       ┌────────┐ ┌────────┐                           ┌────────┐
                                       │  UNH   │ │  BGM   │                           │  UNT   │
0                                      ├───┬────┤ ├───┬────┤                           ├───┬────┤
                                       │ M │  1 │ │ M │  1 │                           │ M │  1 │
                                       └────────┘ └────────┘                           └────────┘
                                          1          2                                    98

                                                           ┌────────┐ ┌────────┐ ┌────────┐
                                                           │  DTM   │ │  FTX   │ │  Gr. 8 │
1                                                          ├───┬────┤ ├───┬────┤ ├───┬────┤
                                                           │ M │ 10 │ │ C │  5 │ │ M │999 │
                                                           └────────┘ └────────┘ ├────────┤
                                                              3          6       │  LIN   │
                                                                                 ├───┬────┤
                                                                                 │ M │  1 │
                                                                                 └────────┘
                                                                                    30

                                                    ┌────────┬────────┬────────┬────────┐
                                                 ┌────────┐┌────────┐┌────────┐┌────────┐┌────────┐
                                                 │  PIA   ││  DTM   ││  MEA   ││  FTX   ││  PGI   │
2                                                ├───┬────┤├───┬────┤├───┬────┤├───┬────┤├───┬────┤
                                                 │ C │ 10 ││ C │  5 ││ C │ 10 ││ C │  5 ││ C │ 10 │
                                                 └────────┘└────────┘└────────┘└────────┘└────────┘
                                                    31       32        33        36        37
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7.11.4.PRODAT – DATA MODEL

BGM, DTM)

Grp8(LIN, PIA, DTM, MEA, FTX, PGI)
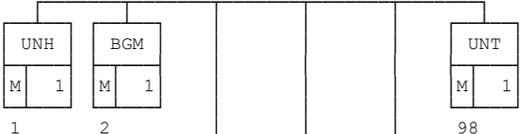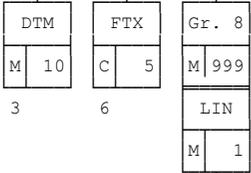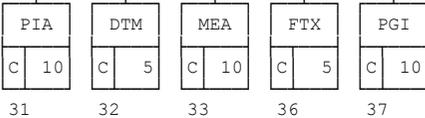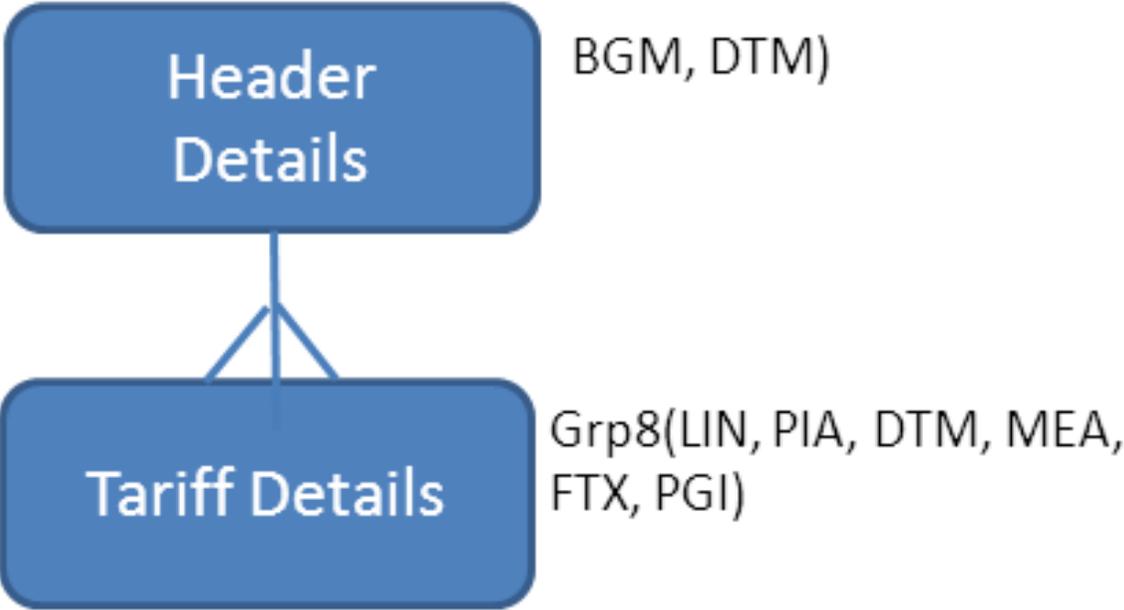
## 7.11.5.PRODAT – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
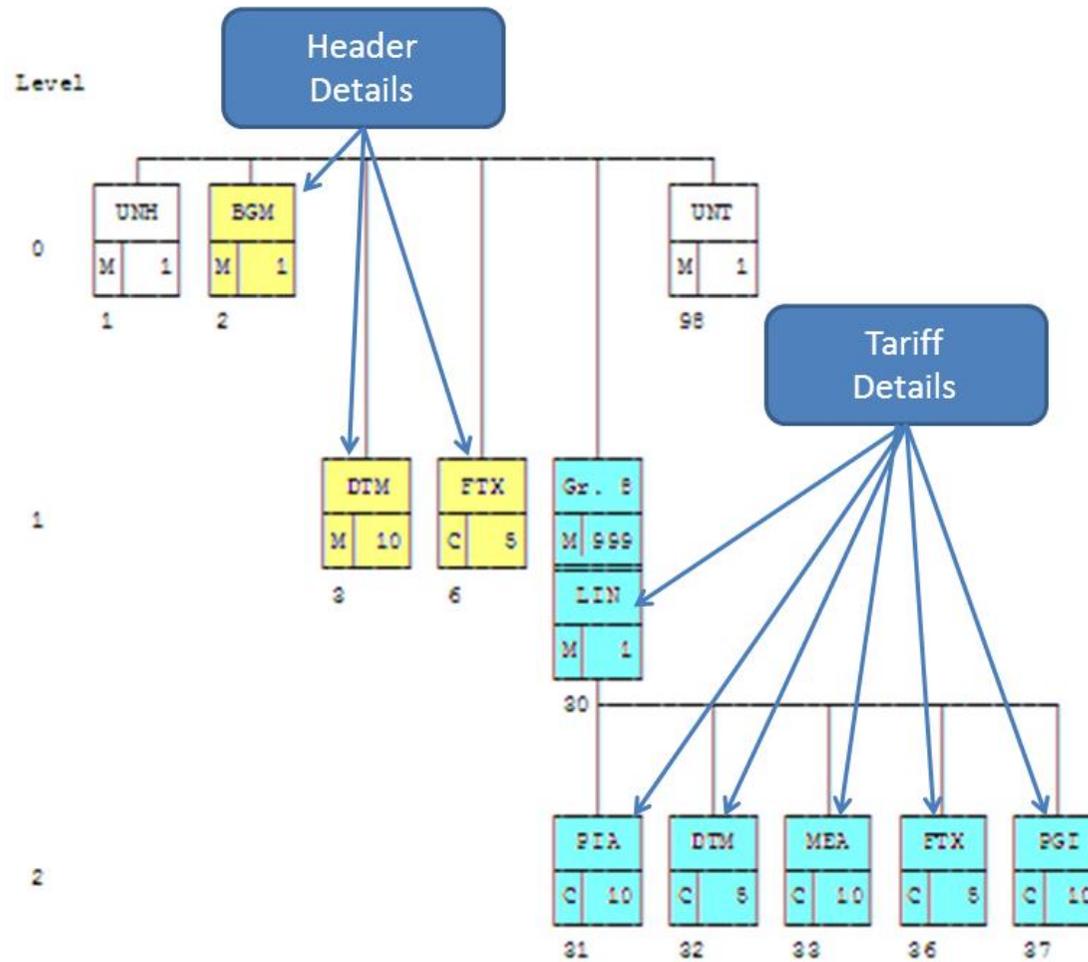
7.11.6.PRODAT - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI PRODAT interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+SARSINF+TP+20150106:1502+001037131++PRODAT++1+TP'
Message Header	UNH+00103713100001+PRODAT:D:96B:UN:ZZZ01'
Header Details	BGM+6+0+4' DTM+302:20150104:102' FTX+AAI+++SARS CANNOT ASSURE THAT THIS TRANSMISSION IS FREE FROM ERRORS, MALICIO:US CODE, INTERCEPTION OR INTERFERENCE. UNDER NO CIRCUMSTANCES WILL SA:RS BE LIABLE TO ANY PARTY FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQU:ENTIAL DAMAGES FOR ANY USE OF THIS TRANSMISSION, INCLUDING, WITHOUT L:IMITATION, ANY LOST PROFITS, BUSINESS INTERRUPTION, LOSS OF PROGRAMS O' FTX+AAI+++R OTHER DATA ON ANY INFORMATION HANDLING SYSTEMS OR OTHERWISE, EVEN IF: SARS IS EXPRESSLY ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.'
Tariff Details (Group 8 occurrence 1)	LIN+1++ ' PIA+5+1+99.92+ +9992.00+2' DTM+7:20150104:102' DTM+206:99991231:102' FTX+AAA+++STORES FOR FOREIGN-GOING SHIPS AND AIRCRAFTS: : : : ' FTX+A01+++FREE: : :1001' FTX+A02+++FREE: :1001' FTX+A03+++FREE: :1001' FTX+A11+++FREE: : ' FTX+A10+++0' PGI+11+1P1'
Tariff Details (Group 8 occurrence 2)	LIN+2++ ' PIA+5+1+62.03+ +6203.43.10+9' DTM+7:20150101:102' DTM+206:99991231:102' MEA+AAE+:::UNIT' FTX+AAA+++BREECHES AND SHORTS: : : : ' FTX+A01+++45%: : :1302' FTX+A02+++FREE: :1001' FTX+A03+++20%: :1302'

	FTX+A11+++20%: : ' FTX+A10+++0' PGI+11+1P1'
Tariff Details **(Group 8 occurrence 3)**	LIN+3++ ' PIA+5+1+62.03+ +6203.43.20+6' DTM+7:20150104:102' DTM+206:99991231:102' MEA+AAE+:::UNIT' FTX+AAA+++BREECHES AND SHORTS: : : : ' FTX+A01+++45%: : :1302' FTX+A02+++FREE: :1001' FTX+A03+++20%: :1302' FTX+A11+++20%: : ' FTX+A10+++0' PGI+11+1P1'
Tariff Details **(Group 8 occurrence 4)**	LIN+4++ ' PIA+5+1+29.37+ +2937.90+ ' DTM+7:20150101:102' DTM+206:99991231:102' MEA+AAE+:::KILOGRAM' FTX+AAA+++OTHER?:: : : : ' FTX+A10+++0' PGI+11+1P1'
Tariff Details **(Group 8 occurrence 5)**	LIN+5++ ' PIA+5+1+62.03+ +6203.49.10+7' DTM+7:20150104:102' DTM+206:99991231:102' MEA+AAE+:::UNIT' FTX+AAA+++TROUSERS: : : : ' FTX+A01+++45%: : :1302' FTX+A02+++FREE: :1001' FTX+A03+++20%: :1302' FTX+A11+++20%: : ' FTX+A10+++0' PGI+11+1P1'
Tariff Details **(Group 8 occurrence 6)**	LIN+6++ ' PIA+5+1+38.26+ +3826.00.10+4' DTM+7:20150104:102'

	DTM+206:99991231:102' MEA+AAE+:::KILOGRAM' FTX+AAA+++BIODIESEL AS DEFINED IN ADDITIONAL NOTE 1(A) TO CHAPTER 38: : : : ' FTX+A01+++0,183C/LI: : :1216' FTX+A02+++FREE: :1001' FTX+A03+++FREE: :1001' FTX+A11+++FREE: : ' FTX+A10+++0'
Tariff Details **(Group 8 occurrence 7)**	LIN+7++ ' PIA+5+1+38.26+ +3826.00.90+2' DTM+7:20150104:102' DTM+206:99991231:102' MEA+AAE+:::KILOGRAM' FTX+AAA+++OTHER: : : : ' FTX+A01+++0,183C/LI: : :1216' FTX+A02+++FREE: :1001' FTX+A03+++FREE: :1001' FTX+A11+++FREE: : ' FTX+A10+++0' PGI+11+1P1'
Message Trailer	UNT+85+00103713100001'
Interchange Trailer	UNZ+2+001037131'

7.12. *REQDOC (REQUEST FOR DOCUMENT)*

7.12.1.REQDOC - OVERVIEW

The REQDOC message is used to request the last successful CUSRES of an entry.

The LRN and or MRN must be provided in the REQDOC.
A CUSRES will be sent to verify if the request can be fulfilled or not followed by the CUSRES in question if available.

Note request cannot be for CUSRES more than two months in past.
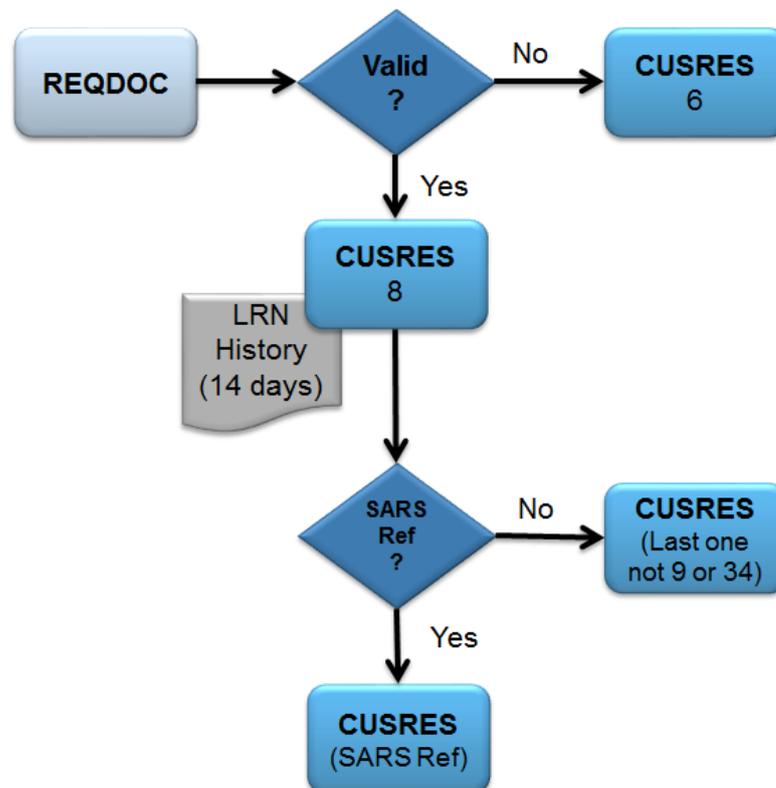
7.12.2.REQDOC - DATA MAPPING GUIDE

EDI ID	EDI DATA ELEMENT/SEG NAME	RE Q	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP/EXP	STATAC	REMARKS
							REQDOC (D99B) DATA MAPPING GUIDE (V17 – 2013/05/09)					
UNH	**MESSAGE HEADER**	**M**			**1**	**10**						**To head, identify and specify a message.**
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M										
OO65	Message type	M	an..6	REQDOC	>A					X	X	Type of message being transmitted.
OO52	Message version number	M	an..3	D	>A					X	X	Version number of the message type. If UNG is used, 0052 shall be identical.
OO54	Message release number	M	an..3	99B	>A					X	X	Release number within the current version number.
OO51	Controlling agency	M	an..2	UN	>A					X	X	A code to identify the agency controlling the specification, maintenance and publication of the message type.
OO57	Association assigned code	C	an..6	ZZZ01	>A					X	X	A code assigned by the association responsible for the design and maintenance of the message type (Import declarations).
OO68	COMMON ACCESS REFERENCE	C	an.35									A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C										
OO70	Sequence of transfers	M	n..2									Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1									C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	**BEGINNING OF MESSAGE**	**M**			**1**	**20**						**To indicate the beginning of a message.**
C002	DOCUMENT/MESSAGE NAME	C										
1001	Document/message name, coded	C	an..3	929 = Goods declaration for importation	>A					X		
				830 = Goods declaration for exportation	>A					X		
				493 = Statement of account message	>B						X	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP/EXP	STATAC	REMARKS
												REQDOC (D99B) DATA MAPPING GUIDE (V17 – 2013/05/09)
1131	Code list identification code	C	an..3									
3055	Code list responsible agency code	C	an..3									
1000	Document/message name	C	an..35									
C106	DOCUMENT/MESSAGE ID	C										
1004	Document/message number	C	an..35		>A		LRN (Serial Number)	AN	35	X		The reference number assigned to the document, by the agent, of which a re-transmission is being requested. Agent Code (N8) Office Of Entry (AN3) Date Of Entry (CCYYMMDD) (N8) Serial Number (N6)
					>B		Sender Reference	AN	35		X	Sender Assigned Reference for Request will be returned on CURES acknowledging the request
1056	Version	C	an..9									
1060	Revision number	C	an..6									
1225	MESSAGE FUNCTION, CODED	C	an..3	9 = Original						X	X	
4343	RESPONSE TYPE, CODED	C	an..3									
DOC	DOCUMENT/MSG DETAILS	M			1	30						**To identify documents, either printed, electronically transferred, or referenced as specified in message description, including, where relevant, the identification of the type of transaction that will result from this message.**
C002	DOCUMENT/MESSAGE NAME	M										
1001	Document/message name, coded	C	an..3	929 = Goods declaration for importation	>A					X		
				830 = Goods declaration for exportation	>A					X		
				493 = Statement of account message	>B						X	
1131	Code list identification code	C	an..3									
3055	Code list responsible agency code	C	an..3									
1000	Document/message name	C	an..35									
C503	DOCUMENT/MESSAGE DETAILS	C										

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP/EXP	STATAC	REMARKS
							REQDOC (D99B) DATA MAPPING GUIDE (V17 – 2013/05/09)					
1004	Document/message number	C	an..35		>A							
					>B		FAN(Financial Account Number)	N	10		X	
1373	Document/message status, coded	C	an..3									
1366	Document/message source	C	an..70		>A		Object ID	AN	35	X		Optional. Object ID of the specific CUSRES specified within a previous REQDOC required. If not specified the last status that is not 9 or 34 is returned.
3453	Language, coded	C	an..3									
1056	Version identifier	C	an..9									
1060	Revision identifier	C	an..6									
3153	COMMUNICATION CHANNEL IDENTIFIER, CODED	C	an..3									
1220	NUMBER OF COPIES OF DOCUMENT REQUIRED	C	n..2									
1218	NUMBER OF ORIGINALS OF DOCUMENT REQUIRED	C	n..2									
DTM	**DATE/TIME/PERIOD**	**M**			**9**	**40**						**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M										
2005	Date/time/period qualifier	M	an..3	318 Request date	>A					X	X	
				90 = Report start date	>B						X	
				91 = Report end date	>C						X	
2380	Date/time/period	C	an..35		>A		Request date	N	8	X	X	The date the request for re-transmission was submitted. Inserted as CCYYMMDD.
					>B		Start Date	N	8		X	Date from which transaction listing required. Must be with current deferment period. If omitted Month to Date will be provided. NOTE: For phase 1, start date will not be used and only Month to Date will be provided but should be catered for so long by sending applications.
					>C		End Date	N	8		X	Date up to which transaction listing is required. Must be within current deferment period.
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMDD	>A-C					X	X	

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP/EXP	STATAC	REMARKS
												REQDOC (D99B) DATA MAPPING GUIDE (V17 – 2013/05/09)
	START OF GROUP 2	C			99							
NAD	NAME AND ADDRESS	M			1	100						**To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 through 3207.**
3035	PARTY QUALIFIER	M	an..3	MS = Message sender	>A					X	X	
				CM = Customs	>B					X		
C082	PARTY IDENTIFICATION DETAILS	C										
3039	Party id. identification	M	an..35		>A		Message sender	AN	35	X	X	The Message Sender field must contain the exact details as per the profile registration on the EDI Gateway. Note: For STATAC request, the profile linked to FAN will be used.
					>B		Release authority	AN	35	X		This field must be completed only if a Release Authority CUSRES re-transmission is requested. The Release Authority field will contain the exact details as per the profile registration on the EDI Gateway. Depot Code (AN2) or Shipping Line Code (AN4) or Warehouse Code (N8)
1131	Code list identification code	C	an..3									
3055	Code list responsible agency code	C	an..3									
C058	NAME AND ADDRESS	C										
3124	Name and address line	M	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
C080	PARTY NAME	C										
3036	Party name	M	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3045	Party name format, coded	C	an..3									

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP/EXP	STATAC	REMARKS
				REQDOC (D99B) DATA MAPPING GUIDE (V17 – 2013/05/09)								
C059	STREET	C										
3042	Street and number/p.o. box	M	an..35									
3042	Street and number/p.o. box	C	an..35									
3042	Street and number/p.o. box	C	an..35									
3042	Street and number/p.o. box	C	an..35									
3164	CITY NAME	C	an..35									
3229	COUNTRY SUB-ENTITY ID	C	an..9									
3251	POSTCODE IDENTIFICATION	C	an..9									
3207	COUNTRY, CODED	C	an..3									
	END OF GROUP 2											
	START OF GROUP 4	M			999							
LIN	**LINE ITEM**	M			1	160						**To identify a line item and configuration.**
1082	LINE ITEM IDENTIFIER	C	an..6	1 = Line item						X	X	Default to line item "1".
1229	ACTION CODE	C	an..3									
C212	ITEM NUMBER IDENTIFICATION	C										
7140	Item identifier	C	an..35									
7143	Item type identification code	C	an..3									
1131	Code list identification code	C	an..3									
3055	Code list responsible agency code	C	an..3									

EDI ID	EDI DATA ELEMENT/SEG NAME	RE Q	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	IMP/EXP	STATAC	REMARKS
	REQDOC (D99B) DATA MAPPING GUIDE (V17 – 2013/05/09)											
C829	SUB-LINE INFORMATION	C										
5495	Sub-line indicator code	C	an..3									
1082	Line item identifier	C	an..6									
1222	CONFIGURATION LEVEL NUMBER	C	n..2									
7083	CONFIGURATION OPERATION CODE	C	an..3									
	END OF GROUP 4											
UNT	**MESSAGE TRAILER**	M			1	310						**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN THE MESSAGE	M	n..6		>A					X	X	Control count including UNH and UNT.
OO62	MESSAGE REFERENCE NUMBER	M	an..14		>A					X	X	Shall be identical to 0062 in UNH.
	END OF REQDOC MESSAGE											

7.12.3.REQDOC - BRANCHING DIAGRAM

```
Level

          ┌──────┬──────┬──────────┬────────┬──────────┬──────┐
          │      │      │          │        │          │      │
        ┌─────┐┌─────┐┌─────┐              ┌─────┐
        │ UNH ││ BGM ││ DOC │              │ UNT │
  0     ├──┬──┤├──┬──┤├──┬──┤              ├──┬──┤
        │M │ 1││M │ 1││M │ 1│              │M │ 1│
        └─────┘└─────┘└─────┘              └─────┘
          1      2      3                    31

                          ┌─────┐┌─────┐┌─────┐
                          │ DTM ││Gr. 2││Gr. 4│
  1                       ├──┬──┤├──┬──┤├──┬──┤
                          │M │ 9││M │99││M │99│
                          └─────┘├─────┤├─────┤
                            4    │ NAD ││ LIN │
  2                              ├──┬──┤├──┬──┤
                                 │M │ 1││M │ 1│
                                 └─────┘└─────┘
                                   9     16
```
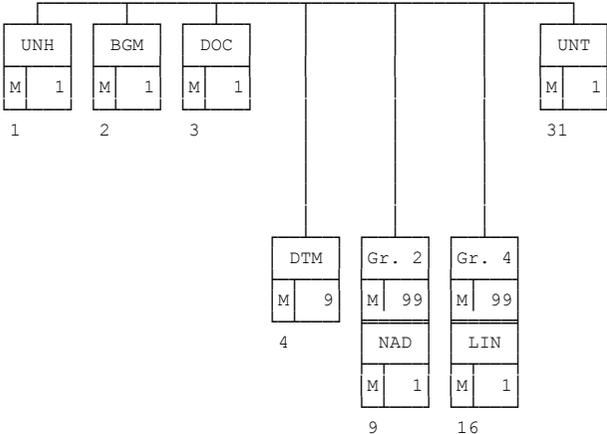
7.12.4.REQDOC – DATA MODEL
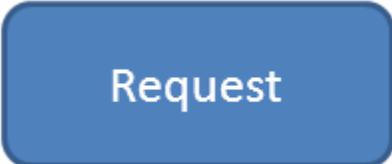
Request — BGM, DOC, DTM, Grp2 (NAD), Grp4 (LIN)

7.12.5. REQDOC – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
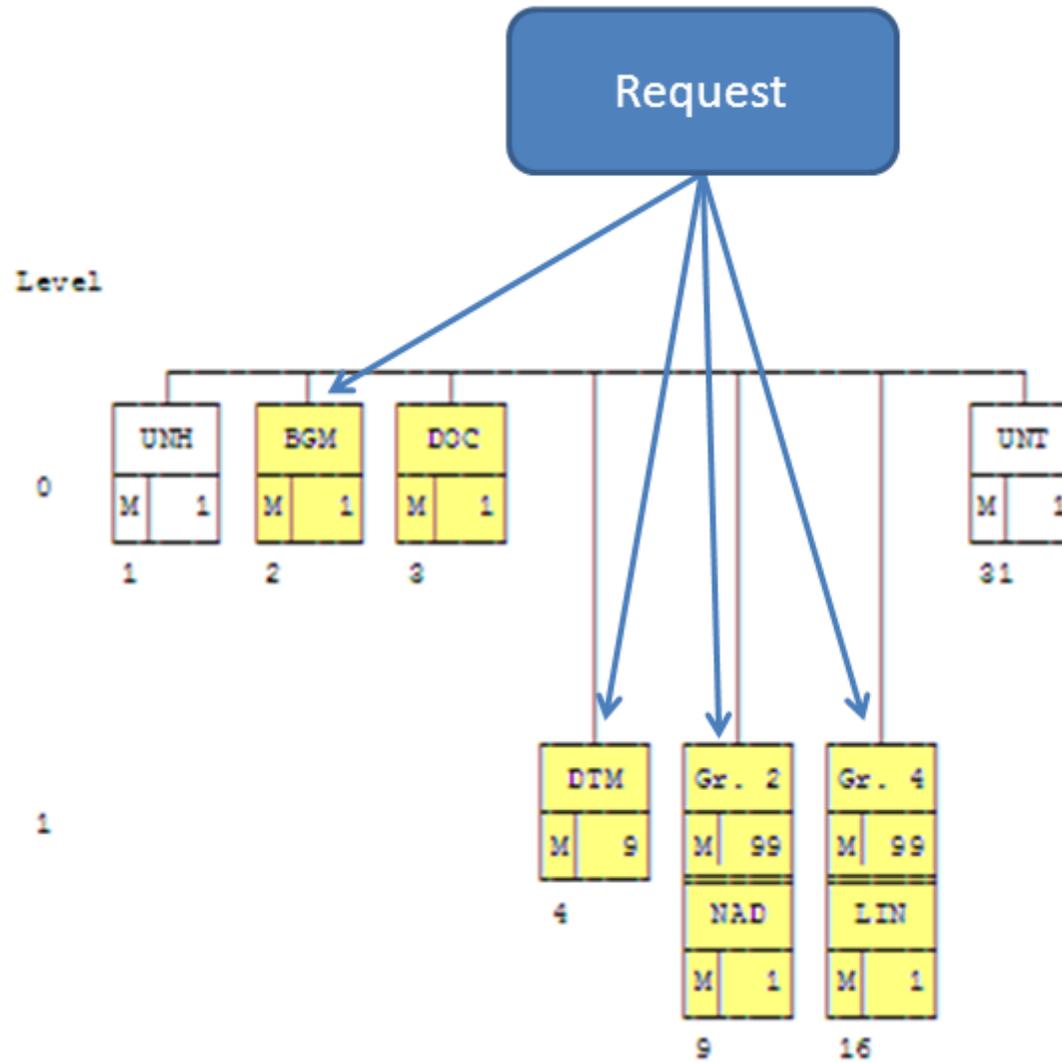
7.12.6. REQDOC - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI REQDOC interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+SENDER+SARSREQ+20140725:1144+100000000371+AAAAAAAAAAAAAA:BB+REQDOC++1+ABC+'
Message Header	UNH+371+REQDOC:D:99B:UN:ZZZ01'
Request Details	BGM+929+12345678CTN20120716000000+9' DOC+929+CTN201207180000000' DTM+318:20140725:102' NAD+MS+ABC::166' NAD+CM+ABC::166' LIN+1'
Message Trailer	UNT+8+371'
Interchange Trailer	UNZ+1+100000000371'

7.12.7. REQDOC – EXAMPLE REPORT

```
BGM+962+12345678JSA20140303104586'
GIS+8:120:ZZZ'
ERP+1:0'
ERC+0000::ZZZ'
FTX+AAO+++CUSDEC-12345678JSA20140303104586, Ver=, TraderRef=::CUSDEC
TimeStamp=20140315151800:DocType=830, MFC=9'
ERP+1:0'
ERC+0000::ZZZ'
FTX+AAO+++CUSRES-12345678JSA20140303104586, Ver=, TraderRef=:SARS
Ref=876161144c5c34796node1:CUSDEC TimeStamp=20140315151800, CUSRES
Processed=20140315154950:Status=1:Recipient=12345678ABC'
ERP+1:0'
ERC+0000::ZZZ'
```

FTX+AAO+++CUSRES-12345678JSA20140303104586, Ver=, TraderRef=:SARS
Ref=486150144c5c34796node1:CUSDEC TimeStamp=20140315151800, CUSRES
Processed=20140315154950:Status=1:Recipient=A2'
ERP+1:0'
ERC+0000::ZZZ'
FTX+AAO+++CUSDEC-12345678JSA20140303104586, Ver=, TraderRef=::CUSDEC
TimeStamp=20140315155357:DocType=830, MFC=9'
ERP+1:0'
ERC+0000::ZZZ'
FTX+AAO+++CUSRES-12345678JSA20140303104586, Ver=, TraderRef=:SARS
Ref=678021144c5c34796node1:CUSDEC TimeStamp=20140315155357, CUSRES
Processed=20140315155750:Status=9:Recipient=12345678ABC'
ERP+1:0'
ERC+0000::ZZZ'
FTX+AAO+++CUSDEC-12345678JSA20140303104586, Ver=, TraderRef=::CUSDEC
TimeStamp=20140315160157:DocType=830, MFC=9'

CUSRES on REQDOC - CUSDEC info FTX Lines

FTX+AAO+++***CUSDEC***-12345678JSA20140303104586, Ver=, TraderRef=::***CUSDEC***
TimeStamp=20140315151800:***DocType***=830, MFC=9'

1. ***CUSDEC***-LRN, Ver=Version, TraderRef = Declarant's Internal Reference Number
2. Empty   (cannot fit SARS reference for CUSRES in Line 1 so skip this line for CUSDEC)
3. ***CUSDEC TimeStamp*** = DateTime CUSDEC processed
4. ***DocType*** = Document Type Coded, MFC=Message Function Code
5. Empty

CUSRES on REQDOC - CUSRES FTX Lines

```
FTX+AAO+++CUSRES-12345678JSA20140303104586, Ver=, TraderRef=:
SARS Ref=486150144c5c34796node1:CUSDEC TimeStamp=20140315151800, CUSRES
Processed=20140315154950:Status=1:Recipient=A2'
```

1. *CUSRES*–LRN, Ver=Version, TraderRef = Declarant's Internal Reference Number
2. *SARS Ref* = Object ID for specific CUSRES
3. *CUSDEC TimeStamp* = DateTime CUSDEC processed, CUSRES Processed=Date Time CUSRES processed
4. *Status* = CUSRES Status
5. *Recipient* = Profile Code of the recipient

7.13. STATAC (STATEMENT OF ACCOUNT)

7.13.1. STATAC - OVERVIEW

The STATAC message is used by the SARS to send daily and detail transaction listings to traders with deferment accounts that are registered to have their FAN (Financial Account Numbers) linked to an EDI profile.

STATAC provides traders the ability to reconcile their declarations against their transactions categorised by Agent/Branch and Bureau code.

Traders must register with SARS to receive these transaction listings.

It also provides the following:

- Daily listing of transactions broken down by Deferment, cash and unallocated transactions
- Provide payment advice capability from bureau systems, to be paid via E-filing.

EDI Financial Transaction Listing Process
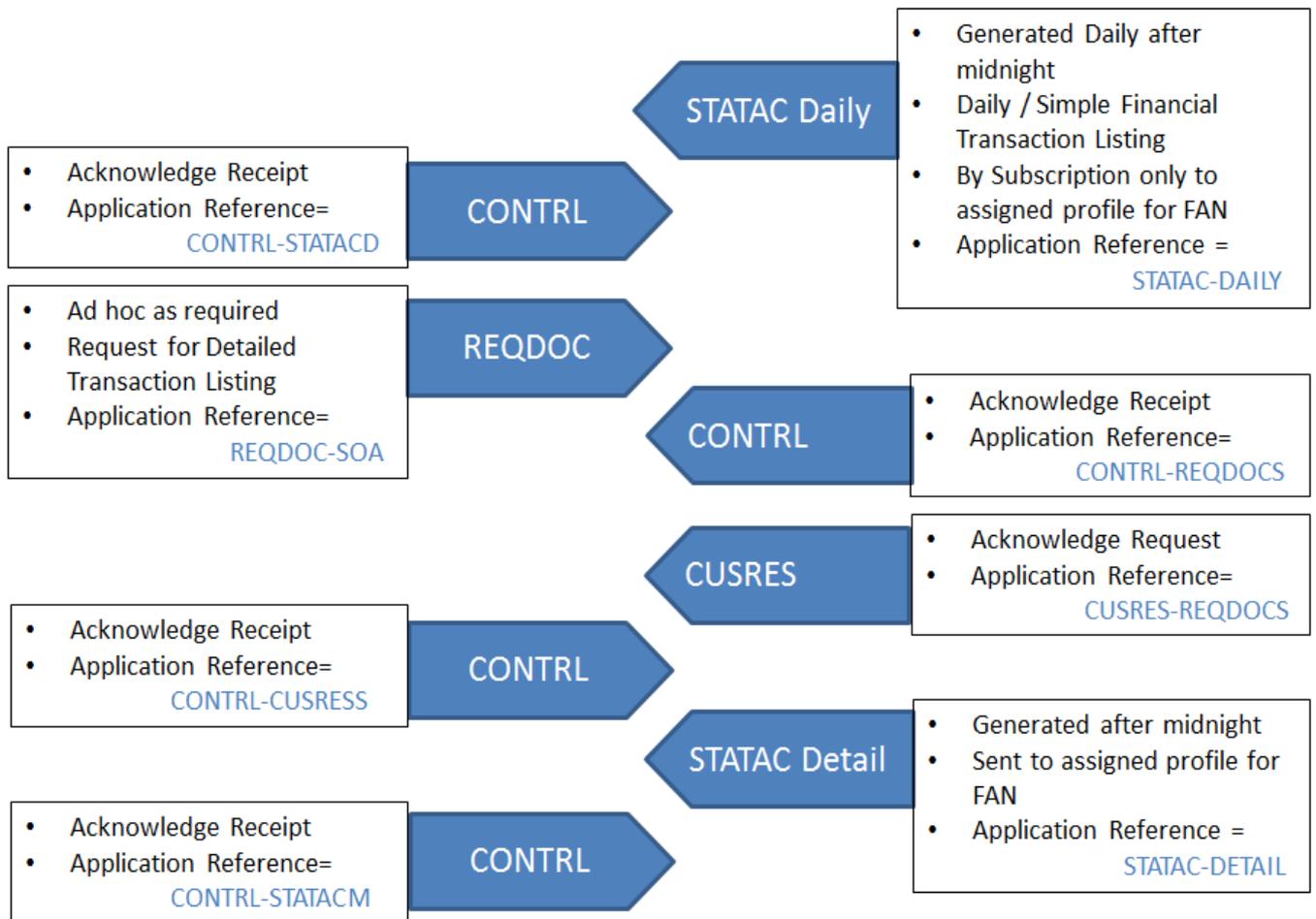
7.13.2.STATAC - DATA MAPPING GUIDE

	STATAC (D96B) DATA MAPPING GUIDE (V2 – 2013/05/23)										
EDI ID	**EDI DATA ELEMENT/SEG NAME**	**REQ**	**E-LEN**	**EDI QUALIFIER/DEFAULT**	**OCC**	**KEY**	**DATA ELEMENT NAME**	**TYPE**	**I-LEN**	**Daily**	**Detail**	**REMARKS**
UNH	**MESSAGE HEADER**	**M**			**1**							**To head, identify and specify a message.**
OO62	MESSAGE REFERENCE NUMBER	M	an..14				{Message reference}					A sender's unique message reference.
S009	MESSAGE IDENTIFIER	M										
OO65	Message type	M	an..6	STATAC								Type of message being transmitted.
OO52	Message version number	M	an..3	D								Version number of the message type. If UNG is used, 0052 shall be identical.
OO54	Message release number	M	an..3	96B								Release number within the current version number.
OO51	Controlling agency	M	an..2	ZA								A code to identify the agency controlling the specification, maintenance and publication of the message type.
OO57	Association assigned code	C	an..6	ZZZ01								A code assigned by the association responsible for the design and maintenance of the message type (Import declarations).
OO68	COMMON ACCESS REFERENCE	C	an.35									A key to relate all subsequent transfers of data to the same business case.
S010	STATUS OF THE TRANSFER	C										
OO70	Sequence of transfers	M	n..2									Starts at 1 and is incremented by 1 for each transfer.
OO73	First and last transfer	C	a1									C = Creation, must be present for the first transfer if more than one is foreseen. F = Final, must be present for the last transfer.
BGM	**BEGINNING OF MESSAGE**	**M**			**1**							**To indicate the beginning of a message.**
C002	DOCUMENT/MESSAGE NAME	C										
1001	Document/message name, coded	C	an..3	342 = Report of transactions for information only								
1131	Code list identification code	C	an..3									
3055	Code list responsible agency code	C	an..3									
1000	Document/message name	C	an..35	DAILY DETAIL	>A		Daily / Detail			X	X	Indicates if Daily (Simple Transaction List) or Month to Date (Detail Transaction List)
C106	DOCUMENT/MESSAGE ID	C			1							

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	Daily	Detail	REMARKS
							STATAC (D96B) DATA MAPPING GUIDE (V2 – 2013/05/23)					
1004	Document/message number	C	an..35		>A		Requester's Reference	AN	35		X	Reference number supplied on REQDOC
1056	Version	C	an..9									
1060	Revision number	C	an..6									
1225	MESSAGE FUNCTION, CODED	C	an..3		1							
4343	RESPONSE TYPE, CODED	C	an..3		1							
DTM	**DATE/TIME/PERIOD**	**M**			**5**							**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M										
2005	Date/time/period qualifier	M	an..3	137 = Document issue date time	>A							
				90 = Report start date	>B							
				91 = Report end date	>C							
2380	Date/time/period	C	an..35		>A		System Date and Time	N	14	X	X	System date and time of application extract
					>B		Start Date	N	8	X	X	
					>C		End Date	N	8	X	X	
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMDD	>A							
				203 = CCYYMMDDHHMM	>BC							
RFF	**REFERENCE**	**C**			**5**							**To specify a reference.**
C506	REFERENCE	M										
1153	Reference qualifier	M	an..3	ADE = Account number								
1154	Reference number	C	an..35				Financial Account Number	N	10	X	X	
1156	Line number	C	an..6									
4000	Reference version number	C	an..35									

| STATAC (D96B) DATA MAPPING GUIDE (V2 – 2013/05/23)											
EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	Daily	Detail	REMARKS
	START OF GROUP 1	M			99							
NAD	NAME AND ADDRESS	M			1							
3035	PARTY QUALIFIER	M	an..3	AG = Agent	>A							
				CM = Customs	>B							
C082	PARTY IDENTIFICATION DETAILS	C			1							
3039	Party id. identification	M	an..35		>A		Agent Code + Multi Profile Code	AN	11	X	X	Multi Profile Code aka Dual Code
					>B		Branch/Office Code	An	3	X	X	See SARS Code List 1
1131	Code list qualifier	C	an..17									
3055	Code list responsible agency, coded	C	an..3									
C058	NAME AND ADDRESS	C										
3124	Name and address line	M	an..35		1							
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
3124	Name and address line	C	an..35									
C080	PARTY NAME	C			1							
3036	Party name	M	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3036	Party name	C	an..35									
3045	Party name format, coded	C	an..3									
C059	STREET	C			1							
3042	Street and number/p.o. box	M	an..35									
3042	Street and number/p.o. box	C	an..35									
3042	Street and number/p.o. box	C	an..35									

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EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	Daily	Detail	REMARKS
3042	Street and number/p.o. box	C	an..35									
3164	CITY NAME	C	an..35		1							
3229	COUNTRY SUB-ENTITY ID	C	an..9									
3251	POSTCODE IDENTIFICATION	C	an..9		1							
3207	COUNTRY, CODED	C	an..3		1							
	END OF GROUP 1											
	START OF GROUP 3	M			200000							
DOC	**DOCUMENT/MSG DETAILS**	M			1							
C002	DOCUMENT/MESSAGE NAME	M			1							
1001	Document/message name, coded	C	an..3	914 = Customs declaration with commercial and item detail	>A							
1131	Code list qualifier	C	an..3									
3055	Code list responsible agency, coded	C	an..3									
1000	Document/message name	C	an..35		>A		Level, Type	AN	2	X	X	1st Character = Level(H = Header, I = Item) 2nd Character = Transaction Type(D = Duties, V = Vat, C = Cash)
C503	DOCUMENT/MESSAGE DETAILS	C			1							
1004	Document/message number	C	an..35		>A		Transaction Reference	AN	25	X	X	LRN or PRN
1373	Document/message status, coded	C	an..3									
1366	Document/message source	C	an..35		>A		Transaction Description	AN	70	X	X	
3453	Language, coded	C	an..3									
3153	COMMUNICATION CHANNEL IDENTIFIER, CODED	C	an..3		1							

EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	Daily	Detail	REMARKS
STATAC (D96B) DATA MAPPING GUIDE (V2 – 2013/05/23)												
1220	NUMBER OF COPIES OF DOCUMENT REQUIRED	C	n..2		1							
1218	NUMBER OF ORIGINALS OF DOCUMENT REQUIRED	C	n..2		1							
MOA	**MONETARY AMOUNT**	**M**			**5**							**To specify a monetary amount.**
C516	MONETARY AMOUNT	M			1							
5025	Monetary amount type qualifier	M	an..3	9 = Amount due/amount payable								
5004	Monetary amount	C	n..18		>A		Amount	N	13.2	X	X	Can be negative
6345	Currency, coded	C	an..3									
6343	Currency qualifier	C	an..3									
4405	Status, coded	C	an..3									
DTM	**DATE/TIME/PERIOD**	**C**			**5**							**To specify date, and/or time, or period.**
C507	DATE/TIME/PERIOD	M			1							
2005	Date/time/period qualifier	M	an..3	353 = Accounting transaction date	>A							
				140 = Payment due date	>B							
2380	Date/time/period	C	an..35		>A		Transaction Date	N	8	X	X	
					>B		Due Date	N	8	X	X	
2379	Date/time/period format qualifier	C	an..3	102 = CCYYMMDD	>AB							
	END OF GROUP 3											
UNS	**SECTION CONTROL**	**M**			**1**							**To separate Header, Detail and Summary sections of a message.**
OO81	SECTION IDENTIFICATION	M	a1	S = Separates the detail and summary sections								Separates sections in a message by one of the following codes : D separates the header and detail sections and S separates the detail and summary sections
MOA	**MONETARY AMOUNT**	**M**			**9**							**To specify a monetary amount.**
C516	MONETARY AMOUNT	M			1							
5025	Monetary amount type qualifier	M	an..3	86 = Message total monetary amount								
5004	Monetary amount	C	n..18				Sum of Amount	N	13.2	X	X	NOT TO BE USED OTHER THAN MESSAGE AMOUNT CONTROL
6345	Currency, coded	C	an..3									

| EDI ID	EDI DATA ELEMENT/SEG NAME	REQ	E-LEN	EDI QUALIFIER/DEFAULT	OCC	KEY	DATA ELEMENT NAME	TYPE	I-LEN	Daily	Detail	REMARKS
	STATAC (D96B) DATA MAPPING GUIDE (V2 – 2013/05/23)											
6343	Currency qualifier	C	an..3									
4405	Status, coded	C	an..3									
UNT	**MESSAGE TRAILER**	**M**			**1**							**To end and check the completeness of a message.**
OO74	NO OF SEGMENTS IN THE MESSAGE	M	n..6				{Segment Count}					Control count including UNH and UNT.
OO62	MESSAGE REFERENCE NUMBER	M	an..14				{Message Reference}					Shall be identical to 0062 in UNH.
	END OFSTATAC MESSAGE											

7.13.3.STATAC - BRANCHING DIAGRAM
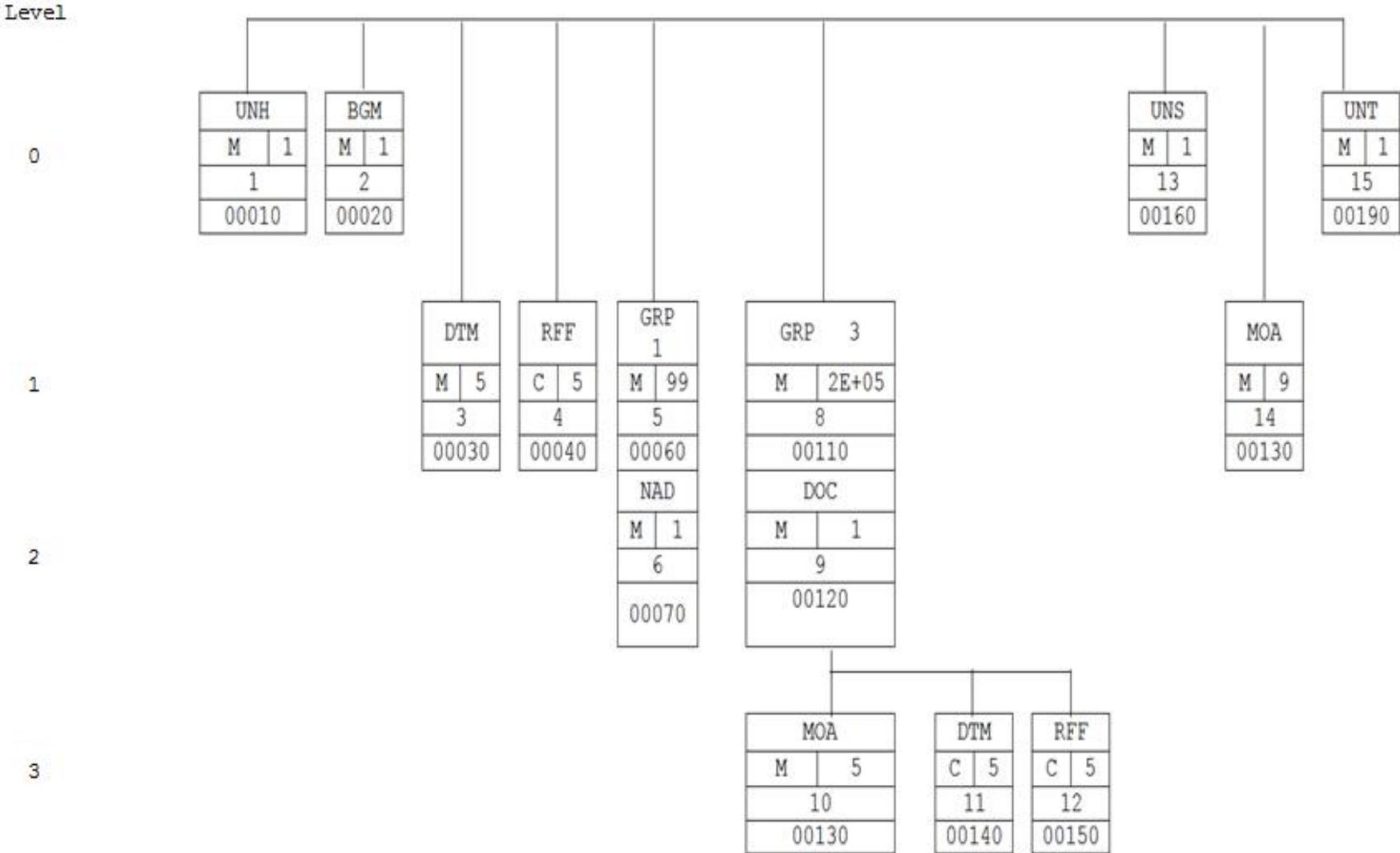
7.13.4.STATAC – DATA MODEL
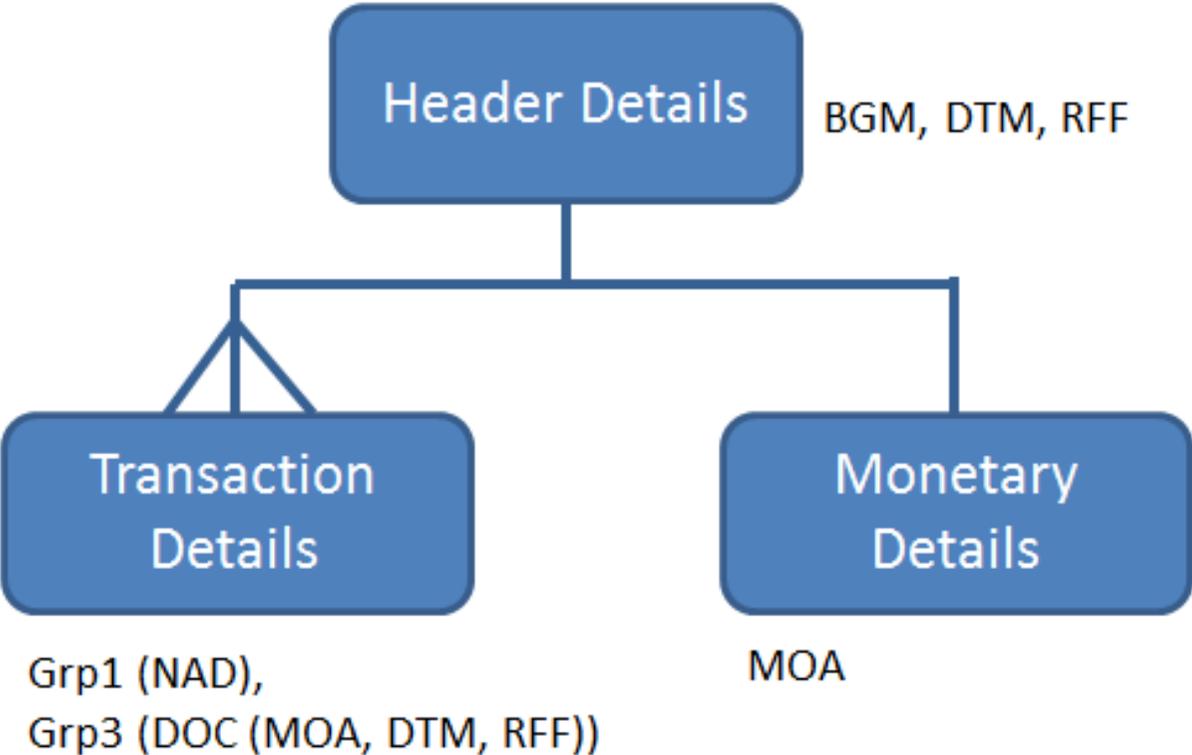
7.13.5.STATAC – DATA MODEL BRANCHING DIAGRAM RELATIONSHIP
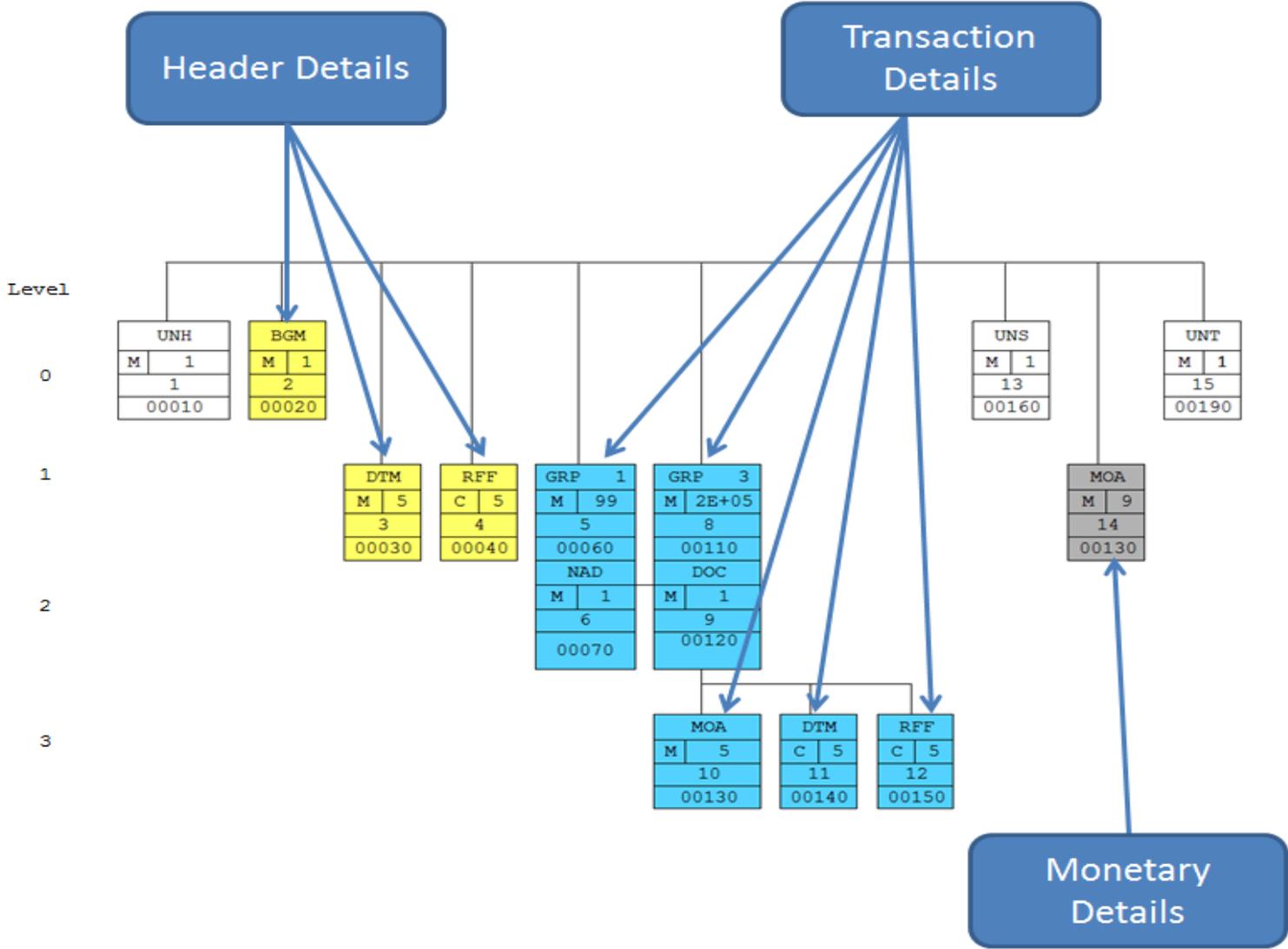
7.13.6. STATAC - EXAMPLE EDI INTERCHANGE

Following is an example of a constructed EDI STATAC interchange. This is purely an example and must **_not_** be used as a systems specification of any kind.

Interchange Header	UNB+UNOB:4+SARSREQ+TPARTNER +20140505:0138+000000006+AAAAAAAAAAAAAA:BB+STATAC-DAILY++1+12345678ABC'
Message Header	UNH+00000000600001+STATAC:D:96B:UN:ZZZ01'
Header Details	BGM+342:::DAILY' DTM+137:201404300001:203' DTM+90:20140430:102' DTM+91:20140430:102' RFF+ADE:8120031323'
Transaction Details	NAD+CM+JHB' NAD+AG+12345678ABC' DOC+914:::HD+20001726RAM20130430000001::Deferment' MOA+9:2000.00' DTM+353:20140430:102' DTM+140:20140506:102' DOC+914:::HV+20001726RAM20130430000001::VAT' MOA+9:10000.00' DTM+353:20140430:102' DTM+140:20140506:102' DOC+914:::HV+20001726RAM20130430000001::Cash' MOA+9:100.00' DTM+353:20140430:102' DOC+914:::HV+20001726RAM20130430000001::VAT' MOA+9:10000.00' DTM+353:20140430:102' DTM+140:20140506:102' DOC+914:::HV+20001726RAM20130430000001::Cash' MOA+9:100.00' DTM+353:20140430:102' DTM+140:20140506:102' DOC+914:::HV+20001726RAM20130430000002::VAT' MOA+9:12000.00' DTM+353:20140430:102'

	DTM+140:20140506:102' DOC+914:::H+8120031323CD0000012::Payment' MOA+9:-2300.00' DTM+353:20140430:102'
Summary Section Separator	UNS+S'
Summary Section	MOA+86:21800'
Message Trailer	UNT+30+00000000600001'
Interchange Trailer	UNZ+1+000000006'