

MANDATORY REQUIREMENTS FOR NON-INTRUSIVE INSPECTION SCANNING AND DETECTION SOLUTIONS

1. MANDATORY STATEMENT OF COMPLIANCE

1.1. Pre-qualification requirements

Table 1: Supplier Response to mandatory compliances on High Energy Transmission Scanners (above 4MeV and below 9MeV)

No:	Mandatory Compliance	Compliance (Y/N)	Returnable Document
1.	Bidders to ensure that they are authorised by OEMs of all equipment proposed as part of the Non-Intrusive Inspection Solution to supply, install, maintain, and support such equipment and that the authorising letters from the OEMs have been attached.		- Valid Letters from OEM for resellers
2.	Bidders to ensure that they have a qualified resource who possesses valid equipment-based certification from the OEM that is valid as of the closing date of the tender.		- Equipment based certification from the OEM valid as of the closing date of the tender.
3.	Bidders to conform and meet all the criteria and regulations required for X-Ray or other high energy penetration equipment (Gamma, Neutron or X-Ray) as per Bidder's submission products as per SAHPRA legislation and rules as well as the license for the X-Ray (Gamma and Neutron included) machines, issued in terms of the Hazardous Substance Act (Act 15 of 1973). The Bidder must adhere to ISO 45001 and ISO 14001 to meet International health and safety standards.		- Certification of compliance with SAHPRA valid as of the closing date of the tender.

No:	Mandatory Compliance	Compliance (Y/N)	Returnable Document
4.	Bidders to ensure that their in-line transmission scanner is relocatable		<ul style="list-style-type: none"> - 3D Schematic diagram of the equipment with specifications. - Detailed procedure of relocation process
5.	Bidders to ensure that their in-line transmission scanner can penetrate at least 300mm of steel.		<ul style="list-style-type: none"> - Bidder to confirm by providing proof of a sample of scanned images
6.	Bidders to ensure that the scanner has dual energy transmission to allow simultaneous acquiring of dual-energy transmission images.		<ul style="list-style-type: none"> - Specifications and datasheet
7.	Bidders to ensure that the scanner has the capability to perform High-throughput scanning of large objects fast, with scan speed up to 10 km/h (6 mph) without losing scan image quality.		<ul style="list-style-type: none"> - Specifications and datasheet
8.	Bidders to ensure that the scanners have the capability to scan containerized cargo trucks, tautliners, flatbeds, small trucks, busses, and other vehicles.		<ul style="list-style-type: none"> - Specifications and datasheet
9.	Bidders to ensure that high energy equipment has auto-detect of driver's cab functionality to allow in-line scanning without scanning the driver cab.		<ul style="list-style-type: none"> - Specifications and datasheet
10.	A maximum of 3m direct beam radiation exclusion zone where necessary will be accommodated for onsite to meet environmental health and safety standards. Any larger required facility needs to be noted by the respondent with detailed explanation to consider as a qualifying/disqualifying criterion. Exclusion zone details must be stated by each bidder.		<ul style="list-style-type: none"> - Specifications and datasheet
11.	Bidders to ensure that the scanning equipment must allow for all legally sized (including road legal oddly shaped cargo) cargo to be scanned. Cargo that is not loaded according to the south African road transport act must be prevented from entering the facility through integrated sensors.		<ul style="list-style-type: none"> - Specifications and datasheet
12.	Bidders to ensure that scanner system is compatible with existing centralised analysis software in the market (i.e. unified image format),		<ul style="list-style-type: none"> - Specifications to meet the UFF2.0 (WCO

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	and compatible with the follow-up standard data formats, based on meeting the WCO's standards.		standard) file format compatibility

Table 2: Supplier Response to mandatory compliances on Low Energy Transmission Scanners (Backscatter type scanners that be used to scan the cab with the driver inside)

No:	Mandatory Compliance	Compliance (Y/N)	Returnable Documents
1.	Bidders to ensure that they are authorised by OEMs of all equipment proposed as part of the Non-Intrusive Inspection Solution to supply, install, maintain and support such equipment and that the authorising letters from the OEMs have been attached. Proof of ownership will be required for Bidders who are OEMs		<ul style="list-style-type: none"> - Valid Letters from OEM for resellers or - Letter validating OEM of in-line cargo scanner
2.	Bidders to ensure that they have a qualified resource who possesses valid equipment-based certification from the OEM that is valid as of the closing date of the tender.		<ul style="list-style-type: none"> - Equipment based certification from the OEM valid as of the closing date of the tender.
3.	Bidders to conform and meet all the criteria and regulations required for X-Ray or other high energy penetration equipment (Gamma, Neutron or X-Ray) as per Bidder's submission products as per SAHPRA legislation and rules as well as the license for the X-Ray (Gamma and Neutron included) machines, issued in terms of the Hazardous Substance Act (Act 15 of 1973). The Bidder must adhere to ISO 45001 and ISO 14001 to meet international health and safety standards.		<ul style="list-style-type: none"> - Certification of accreditation from SAHPRA valid as of the closing date of the tender.
4.	Bidders to ensure that their in-line scanner is a relocatable low energy Cargo and Vehicle Screening equipment that is manoeuvrable,		<ul style="list-style-type: none"> - 3D Schematic diagram of the

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	versatile, and successful cargo and vehicle screening system.		equipment with specifications
5.	Bidders to ensure that the scanner has transmission view to allow acquiring of transmission images and photo-like Backscatter images from low energy transmission source.		<ul style="list-style-type: none"> - Specifications and datasheet - Proof of images
6.	Bidders to ensure that the scanner has the capability to perform high-throughput scanning (>60 vehicles per hour) of large trucks, with scan speed up to 10 km/h (6 mph), without loss of image quality.		<ul style="list-style-type: none"> - Specifications and datasheet
7.	Bidders to ensure that the scanners have the capability to scan containerized cargo trucks, tautliners, flatbeds, small trucks, busses, and other vehicles.		<ul style="list-style-type: none"> - Specifications and datasheet
8.	Bidders to ensure that the scanning equipment must allow for all legally sized (including road legal oddly shaped cargo) cargo to be scanned. Cargo that is not loaded according to the south African road transport act must be prevented from entering the facility through integrated sensors.		<ul style="list-style-type: none"> - Specifications and datasheet
9.	Bidders to ensure that scanner system is compatible with existing centralised analysis software in the market (i.e. unified image format), and compatible with the follow-up standard data formats, based on meeting the WCO's standards.		<ul style="list-style-type: none"> - Specifications to meet the UFF2.0 (WCO standard) file format compatibility