



Maldives Aviation Security Screening Technology List (MASSTL)

Directorate of Aviation Security Administration

Ministry of Defence

Version 1.0

Published Date: 20th October 2020

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Acronyms used in this document

CT- X-ray	Computerized Tomography
CONOPS	Concept of Operations
DASA	Directorate of Aviation Security Administration
ECAC	European Civil Aviation Conference
EU	European Union
EDS	Explosive Detection System
EDSCB	Explosive Detection System for Cabin Baggage
EMD	Electronic Metal Detection
ETD	Explosive Trace Detection
LED's	Liquid Explosive Detection
MASSTL	Maldives aviation security screening technology list
NCASP	National Civil Aviation Security Programme
SSc	Security Scanners
TSA	Transportation Security Administration
WTMD	Walk Through Metal Detector

1. Introduction

1.1 Document Purpose

Maldives aviation security screening qualified technology list (MASSTL) has been developed to provide regulated parties with information on emerging best practices and new approaches, including guidance on various screening technologies that have been tested and evaluated by European Civil Aviation Conference (ECAC), European Union (EU) and Transportation Security Administration (TSA).

Maldives MASSTL serves as Directorate of Aviation Security Administration (DASA) official guidelines for regulated parties—to use when procuring aviation security screening equipment's in accordance with National Civil Aviation Security Programme (NCASP).

The document is divided into two sections a qualified technology section and a grandfathered technology section. The qualified technology section specifies devices, by technology, which have undergone a formal ECAC, EU and TSA sponsored test process and are deemed qualified for aviation security screening operations.

When procuring a device from the MASSTL, the regulated parties shall select devices from the qualified technology section.

The grandfathered technology section specifies devices, by technology, which are conditionally qualified for passenger screening, hold baggage screening cargo and mail screening and cabin baggage screening but have stated expiration date from DASA. This allows regulated parties who are currently using the grandfathered technology, an opportunity to decide and schedule a phase out plan for gradually phase outting the device and transition to devices listed in the qualified sections. Due to this fact, regulated parties should not purchase devices from grandfathered technology section. Regulated parties shall reference the qualified sections for their procurement needs.

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Regulated parties who are currently using the grandfathered technology shall submit phase out plan of their respective airports to DASA for approval. (*Grandfathered technology list will be available on a later date*)

1.2 Disclaimer

The qualified technology section reflects devices which have successfully passed Stage I of the qualification testing process done by ECAC, EU and TSA.

The grandfathered technology section reflects devices which are currently qualified for passenger screening, hold baggage screening, cargo and mail screening and cabin baggage screening but have stated expiry date by Directorate of Aviation Security Administration.

DASA reserves the right to remove devices from the qualified section, or grandfathered section in addition DASA reserves the right to revise an expiration date in the grandfathered section, due to a device's inability to meet more stringent performance parameters associated with emerging threats. Should such a situation occur, DASA will issue specific guidance on how previously purchased devices may be used.

1.3 Updating of aviation security screening qualified technology list

DASA is responsible for updating the MASSTL list regularly at least on a quarterly basis or whenever needed. Each update will be published accordingly.

1.4 Screening technology approval process

- 1- All regulated parties are required to submit the detail technical specification of the device in writing to DASA and obtain approval before the procurement process.
- 2- Upon submitting the device for approval, DASA will evaluate the device as per the NCASP screening technology approval process.
- 3- During the approval process DASA will coordinate with Aviation Security Command to perceive their operation need in using the device.

1.5 Device Configuration.

Top Assembly Part Number and Required Software Version indicate the only qualified configurations for each Device Model Number.

1.6 Operational Environment

Devices listed within the MASSTL are intended to be operated under controlled temperature and humidity conditions. Add-on components and kits may be available from vendors to extend operational temperature and humidity ranges.

Section 1 (Qualified List)

2. X-Ray Technology. (Non-CT X -ray Technology for Cargo and Hold Baggage / Explosive Detection System (EDS))

Technology Description: Fixed projection X-ray inspection devices that display digitized transmission radiographic images of an object under inspection following an interrogation.

Technology Classification: This technology is classified by material discrimination capability, number of views, and capacity.

Material discrimination capability: Classification groups are "Yes (Y)" and "No (N)."

"Yes" indicates devices that are capable of enabling visual differentiation between types of materials detected, e.g., nylon vs explosives vs PVS under steel.

"No" indicates devices that do not discriminate between different materials.

Number of views: Classification groups are single view (grandfathered), dual view, and multi view. Devices may display images scanned from one, two, or multiple perspectives. Regardless of a device's manual or assisted-detection capability, the operator must view and interpret one or more images of each object under inspection.

Capacity designation: Device capacity groups are defined in the table below. The capacity listing is for testing and informational purposes only.

Capacity Designations

ID	Description
A	Small Aperture – Can accommodate screening of air cargo with an item size of at least 49 cm (19.3 in) wide by 38 cm (15 in) high by 91 cm (35.8 in) long and 50 kg (110.2 lbs.) in weight and up to 80 cm (31.5 in) wide by 60 cm (23.6 in) high by 120 cm (47.2 in) long and 100 kg (220.5 lbs.) in weight.
B	Medium Aperture – Can accommodate screening of air cargo with at item size of at least 80 cm (31.5 in) wide by 60 cm (23.6 in) high by 120 cm (47.2 in) long and 100 kg (220.5 lbs.) in weight and up to 122 cm (48 in) wide by 153 cm (60.2 in) high by 122 cm (48 in) long and 1,000 kg (2,205 lbs.) in weight.
C	Large Aperture – Can accommodate screening of air cargo with an item size of at least 122 cm (48 in) wide by 153 cm (60.2 in) high by 122 cm (48 in) long and 1,000 kg (2,205 lbs.) in weight.

2.1 Qualified Non-CT X-ray Technology for Cargo and Hold Baggage

The Qualified Technology section specifies devices that have undergone a formal TSA-sponsored test process and are deemed qualified for screening operations. When procuring a device regulated parties shall select device from the list section 1.

Manufacturer	Device Model Number	Required Top Assembly Part Number	Material Discrimination	# of Views	Capacity	Max Voltage	Standard	Date Qualified
Astrophysics, Inc	XIS-100XDV	00-22-1XDX-11 00-22-10DX-11	Y	Dual View	B	180 kV		08/09/2012
Astrophysics, Inc	XIS-1517DV 200kV	00-22-15DV-20	Y	Dual View	C	200 kV		08/09/2012
Astrophysics, Inc	XIS-1818DV 200kV	00-22-18DV-20	Y	Dual View	C	200 kV		08/09/2012
Astrophysics, Inc	XIS-1818DV 320kV	00-00-18DV-23	Y	Dual View	C	320KV		12/12/2012
Astrophysics, Inc	XIS-6545DVS	00-13-65DV-21	Y	Dual View	A	180 kV		10/23/2009
Astrophysics, Inc	XIS-7858DVS	00-30-6DVS-10	Y	Dual View	A	180 kV		11/21/2016
Astrophysics, Inc.	XIS-7858DVS	00-30-7DVS-10	Y	Dual View	A	180 kV		10/23/2016
Gilardonj, S.p.A	FEP ME 755 AMX	05141096	Y	Dual View	A	160 kV		10/23/2014

Manufacturer	Device Model Number	Required Top Assembly Part Number	Material Discrimination	# of Views	Capacity	Max Voltage	Standard	Date Qualified
L3 Security & Detection Systems	CX 6000 P DV	002	N	Dual View	C	6MeV		05/14/2010
L3 Security & Detection Systems	MVT-HR	1000-10001-HR 1000-10002-HR	Y	Multi View	B	160 kV		02/03/2010
L3 Security & Detection Systems	PX 10.10 MV	1000-P1010-2V 1000-P1010-AC	Y	Dual View	B	160 kV		08/09/2012
L3 Security & Detection Systems	PX 15.17 MV 200kV	0125-10732-00	Y	Dual View	C	200 kV		08/09/2012
L3 Security & Detection Systems	PX 18.18 MV 320kV	0125-10735-00	Y	Dual View	C	320 kV		12/12/2012
Rapiscan Systems	620DV	2010001 2010002	Y	Dual View	A	180 kV		10/23/2009
Rapiscan Systems	627DV	2010003 2010004	Y	Dual View	B	180 kV		10/23/2009
Rapiscan Systems	628DV	2010006	Y	Dual View	B	180KV		05/14/2010
Rapiscan Systems	632DV	2010007 2010008	Y	Dual View	C	200 kV		10/23/2009
Rapiscan Systems	638DV	2010009	Y	Dual View	C	200KV		10/23/2009
Rapiscan Systems	638DV300	2010010	Y	Dual View	C	320KV		06/23/2016
Rapiscan Systems	MVXR 5000	2010659-6	Y	Dual View	B	170KV		02/03/2010

Manufacturer	Device Model Number	Required Top Assembly Part Number	Material Discrimination	# of Views	Capacity	Max Voltage	Standard	Date Qualified
Smiths Detection, Inc.	7555aTiX	HS 7555aTiX	Y	Dual View	A	176 kV		05/14/2010
Smiths Inc	6040aX	HS 6040aX	Y	Dual View		176 kV		176 kV
Smiths Inc.	6040aTiX	HS 6040aTiX	Y	Dual View		176 kV		10/23/2009
Smiths Detection	6040-2is	HS 6040-2is	Y	Dual View	A	180 kV		08/27/2015
Smiths Inc.	7555aX	HS 7555aX	Y	Dual View	A	176 kV		08/09/2012
Smiths Inc.	10080 EdtS	HS 10080 EdtS	Y	Multi View	B	176 kV		10/23/2009
Smiths Inc.	10080 EDX-2is	HS 10080 EDX-2is	Y	Dual View	B	176 kV		10/23/2009
Smiths Inc.	100100T-2is	HS 100100T-2is	Y	Dual View	B	176 kV		10/23/2009
Smiths Inc.	100100V-2is	HS 100100V-2is	Y	Dual View	B	176 kV		08/09/2012
Smiths Inc.	130130T-2is	HS 130130T-2is	Y	Dual View	B	176 kV		10/23/2009
Smiths Inc.	145180-2is	HS 145180-2is	Y	Dual View	C	176 kV		4/25/2013
Smiths Inc.	180180-2is	HS 180180-300kV-2is	N	Dual View	C	320 kV		10/23/2009
Smiths Inc.	180180-2is Pro	HS 180180-2is Pro	Y	Dual View	C	320 kV		10/18/2016
Smiths Inc. (1)	HRX 1000 DV	P0007033-011	Y	Dual View	B	180 kV		05/14/2010
VOTI Detection Inc	VOTI XR3D-6D	500002-001	Y	Dual View	A	160 KV		10/24/2019

Manufacturer	Device Model Number	Required Top Assembly Part Number	Material Discrimination	# of Views	Capacity	Max Voltage	Standard	Date Qualified
VOTI Detection Inc	VOTI XR3D-7D	500003-002	Y	Dual View	A	160 KV		12/20/2019
VOTI Detection Inc	VOTI XR3D100D	500068-001	Y	Dual View	B	160 KV		12/20/2019
X-Ray Center (XRC)	XRC 60-40DV	XRC 60-40DV	Y	Dual View	A	160 kV		04/11/2018
X-Ray Center (XRC)	XRC 100-100DV	XRC 100-100DV	Y	Dual View	B	165 kV		05/23/2018
X-Ray Center (XRC)	XRC 180-180DV (320KV)	XRC 180-180DV	Y	Dual View	C	320 kV		09/17/2019

2.2 Explosive Detection Systems (EDS) for Cargo & Hold baggage

The Qualified Technology section specifies devices that have undergone a formal ECAC/EU test process and are deemed qualified for screening operations. When procuring a device regulated parties shall select device from the list section 1.

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
L3 Technologies, Inc	eXaminer XLB	10-70500-01	06.17	00.45	No Tray	3	27/05/2011
L3 Technologies, Inc	eXaminer XLB	10-70500-01	06.17	04	No Tray	3	04/03/2013
L3 Technologies, Inc	eXaminer XLB	10-70500-01	06.27	04	Tray: Crisplant - CrisBag® V5 SBT, Art. N°: 7308972	3	24/02/2015
L3 Technologies, Inc	eXaminer SX	10-64987-01	5.11	01.01	No Tray	3	03/08/2011
L3 Technologies, Inc	eXaminer 3DX-ES	1000-11700-00	112.3	8.2	No Tray	3	27/12/2011
L3 Technologies, Inc	MVT HR	1000-10001-HR	6.5.2Eg n200	5.3.11	No Tray	2	17/04/2012
L3 Technologies, Inc	eXaminer 3DX	Part no: 200001	112.3	7.1	No Tray	3	07/11/2012
L3 Technologies, Inc	eXaminer 3DX	eXaminer 3DX	112.3	8.2	No Tray	3	04/09/2012
L3 Technologies, Inc	eXaminer 3DX-ES	eXaminer 3DX	112.5	10.1	No Tray	3	12/07/2013
L3 Technologies, Inc	eXaminer 3DX-ES	200001	112.5	10.1	No Tray	3	19/11/2013
L3 Technologies, Inc	eXaminer SX	10-64987-01	5.14	06	No Tray	3	19/11/2013
L3 Technologies, Inc	MV3D	1000-10001-D1	7.6.2 L200	1.0	No Tray	3	19/11/2013
L3 Technologies, Inc	MV3D	1000-10001-D1	7.6.2 S200	1.0	No Tray	2	19/11/2013
L3 Technologies, Inc	MV3D	1000-10001-D1	8.0.3 S200	N/A	No Tray	3	23/05/2014

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
L3 Technologies, Inc	MV3D	1000-10001-D1	8.4.6 L200	-	Tray: Vanderlande SBT, Item No. 011505-890-00001	3	08/10/2015
L3 Technologies, Inc	MV3D	1000-10001-D1	8.5.2 L200	-	Tray: Crisplant CrisBag V5 SBT, Art. N°7308972	3	25/10/2016
L3 Technologies, Inc	MV3D	1000-10001-D1	8.5.4 L200	-	Tray: Fraport AG, Art. N°M020745	3	29/11/2016
L3 Technologies, Inc	MV3D	1000-10001-D2	8.9.4 N200		No Tray	3	12/06/2017
L3 Technologies, Inc	MV3D	1000-10001-D1	8.9.6 L200		Tray: Crisplant CrisBag V5 LBT, Art. N°7308974	3	12/06/2017
L3 Technologies, Inc.	MV3D	1000-10001-D1	9.1.2 L200		Tray: Vanderlande, Item No. 001036-241-00002	3	20/02/2018
L3 Technologies, Inc	MV3D	1000-10001-D1	9.0.4 S200		Tray: Crisplant CrisBag® V3 SBT, Art. No. 400B767	3	20/02/2018
L3 Technologies, Inc	MV3D	1000-10001-D1	9.0.4 S100		No Tray	3	20/02/2018
L3 Technologies, Inc	MV3D	1000-10001-D1	9.0.5 S100		No Tray	3	20/02/2018
L3 Technologies, Inc	MVT HR	1000-10001-HR	6.5.2Eg n200			2	17/04/2012
L3 Technologies, Inc	MV3D	1000-10001-D1	9.7.5 L100	5.3.11	No Tray	3.1	27/02/2019
Nuctech	XT2080	XT2080	DPC 1.1 EDS 1.1		No Tray	3	04/09/2012

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Nuotech	XT2080AD	XT2080AD DHV 1.0	OIS V2.0.004 Algorithm V3.1.18 OIS V2.0.008 Algorithm V3.1.18	CONOPS: V1.2	No Tray	3	05/06/2015 and 12/10/2017 (Configuration changes)
Nuotech	XT2100	XT2100 DHV 1.0	OIS V2.0.004 Algorithm V3.1.22 OIS V2.0.008 Algorithm V3.1.22 OIS V2.0.004 Algorithm V3.1.23 OIS V2.0.008 Algorithm V3.1.23	V1.2	No Tray	3	23/11/2015 and 12/10/2017 (Configuration changes)
Nuotech	XT2100HS	XT2100HS	OIS V2.0.008 Algorithm V3.1.24	V1.0	No Tray	2	25/10/2016
Nuotech	XT2100HS	XT2100HS DHV 1.0 XT2100HS DHV	Algorithm V3.1.27	V2.0, V3.0	Vanderlande Assy Carrier No. 001036-241-00002	2	12/10/2017 and 14/12/2018 (Configuration changes)
Nuotech	XT2100HS	XT2100HS DHV 1.0 XT2100HS DHV 1.1	Algorithm V3.1.27	V2.0, V3.0	Beumer CrisBag® tote No. 843139000 Vanderlande tote No. 011505-393-00001	3	12/10/2017 and 14/12/2018 (Configuration changes)
Nuotech	XT2100-R	XT2100-R DHV 1.0	Algorithm V3.1.27	V1.0	Beumer CrisBag® tote No. 843139000 Vanderlande tote No. 011505-393-00001	3	12/10/2017

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Nuotech	XT2100HS	XT2100HS DHV 1.0 XT2100HS DHV 1.1	V3.1.28.2	V1.0, V3.0	No Tray	3.1	12/10/2017 and 14/12/2018 (Configuration changes)
Nuotech	XT2100HS	XT2100HS DHV 1.0 XT2100HS DHV 1.1	Algorithm V3.1.30	CONOPS XT2100HS v1.0	No Tray	3.1	12/11/2019
Nuotech	XT2100HS	XT2100HS DHV 1.0 XT2100HS DHV 1.1	Algorithm V3.1.31	CONOPS XT2100HS v1.0	No Tray	3.1	12/11/2019
Nuotech	XT2100Ti	DHV 1.1	Algorithm v3.1.36	CONOPS XT2100HS v3.0	Daifuku (P/N BTSP0007001C)	3.1	12/11/2019
Rapiscan	MVXR 5000	MVXR5000-Mk4	6.3		No Tray	2	18/04/2012
Rapiscan	RTT80	RTT80	1.0.12	7.02	No Tray	3	18/04/2012
Rapiscan	RTT110	RTT110	1.0.22	8.13	No Tray	3	14/05/2013
Rapiscan	RTT110	RTT110	1.0.24	8.13	No Tray	3	21/02/2014
Rapiscan	RTT110	RTT110	1.4.04	8.14	No Tray	3.1	12/11/2019
Rapiscan	RTT110	RTT110	1.0.47	8.14	Bigbear Tray (ref: BFF11012)	3	15/07/2019
Reveal Imaging Technologies	CT80DR	CT80DR	5.3.0.123	4.2.14	No Tray	3	07/07/2010
Reveal Imaging Technologies	CT-120	CT-120	5.20.3.5	P/N 81080 Revision3 Draft	No Tray	3	21/02/2014

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Reveal Imaging Technologies	CT-120	CT-120	5.20.3.11	P/N 81080 Revision3 Draft	No Tray	3	10/02/2016
Reveal Imaging Technologies	CT-120	CT-120	5.20.3.12	P/N 81080 Revision3 Draft	No Tray	3	10/02/2016
Reveal Imaging Technologies	CT-120	CT-120	5.20.3.13	P/N 81080 Revision3 Draft	No Tray	3	10/02/2016
Smiths Detection	HI-SCAN 10080 EDX-2is	HS 10080 EDX-2is	05-80-09		No Tray	2	05/10/2010
Smiths Detection	HI-SCAN 10080 EDX-2is	HS 10080 EDX-2is	08-01-09		No Tray	2	21/02/2014
Smiths Detection	HI-SCAN 7555 aTiX	HS 7555 aTiX	06-41-09		No Tray	2	05/10/2011
Smiths Detection	HI-SCAN 10080 XCT	HS 10080 XCT	07-20-09		No Tray	3	17/05/2013
Smiths Detection	HS 10080 XCT	HS 10080 XCT	08-27-16		Tray: Vanderlande Material n°:011505-393- 00001	3	14/08/2014
Smiths Detection	HI-SCAN 10080 XCT	HS 10080 XCT	08-27-16		Tray: Vanderlande Material n°: 011505-890- 00001	3	14/08/2014
Smiths Detection	HI-SCAN 10080 XCT	HS 10080 XCT	08-27-16		Tray: Crisplant Material n°: CrisBag® V5 LBT 507B596.XXX, Art. n°: 7308974	3	14/08/2014

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Smiths Detection	HI-SCAN 10080 XCT	HS 10080 XCT	09-21-09		Tray: BigBear BBF11012	3	12/06/2017
Smiths Detection	HI-SCAN 10080 XCT	HS 10080 XCT	09-21-09		No Tray	3.1	20/02/2018
Smiths Detection	HI-SCAN 10080 XCT	HS 10080 XCT	09-21-09		VANDERLANDE tray (Ref: 001036-241-00002)	3	14/12/2018
Smiths Detection	XRD 3500	Varian MCS-7074A X-Ray Tube CANBERRA Germanium Detector	Library "ECAC" -Nr 8.2.2.2		No Tray	3	16/04/2010
Smiths Detection	CTX 9400 DSi	CTX 9400	Inspection: Glnsp_2.3.0 ECACa Reconstruction: Recon_2.0.2		No Tray	3	25/04/2011
Smiths Detection	CTX 5800	CTX 5800	Inspection: 5800 ECAC SB CB 2.17.7 Reconstruction: 3.1.2		No Tray	3	24/06/2011
Smiths Detection	CTX 9800 DSi	CTX 9800 High-Speed Configuration	Inspection: 9800 ECAC HS CB 2.18.1 Reconstruction: 3.3.0		No Tray	3	18/04/2012
Smiths Detection	CTX 9800 DSi	CTX 9800 High-Speed with Checkerboard	Inspection: 9800 ECAC HS CB 2.18.6 Reconstruction: 9800 CB 4.0.1		No Tray	3	21/02/2014
Smiths Detection	CTX 9800 DSi	CTX 9800 High-Speed with Checkerboard Modified 605577-1, per DW 1365.2	Inspection: 9800 ECDMD HS CB 2.18.18 Reconstruction: 9800 CB HS 4.0.1 SC		No Tray	3	21/02/2014
Smiths Detection	HI-SCAN 7555 aTiX	HS 7555 aTiX	06-41-09		No Tray	2	05/10/2011

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Smiths Detection	CTX 9800 DSi	MD Checkerboard HS Configuration	Inspection: 9800 ECDMD HS CB 3.0.5 Recon Prep: LibPrep 9800 HS CB DMA 6.0.0 Reconstruction: LibRecon 9800 HS CB DMA 6.0.2		No Tray	3	05/06/2015
Smiths Detection	CTX 9800 DS	MD Checkerboard HS Configuration	Inspection: 9800 ECDMD HS CB 3.0.5 Recon Prep: LibPrep 9800 HS CB DMA 6.0.0 Reconstruction: LibRecon 9800 HS CB DMA 6.0.2		Tray: Vanderlande long 011531- 727-00001	3	
Smiths Detection	CTX 9800 DSi	MD Checkerboard HS Configuration	Inspection: 9800 ECDMD HS CB 3.0.5 Recon Prep: LibPrep 9800 HS CB DMA 6.0.0 Reconstruction: LibRecon 9800 HS CB DMA 6.0.2		Tray: Beumer / Crisplant 7308972	3	23/11/2015
Smiths Detection	CTX 9800 DSi	MD Checkerboard HS Configuration	Inspection: 9800 ECDMD HS CB 3.0.5 Reconstruction: LibRecon 9800 HS CB DMA 8.0.0 Recon Post: Postproc SC 8.0.0		No Tray	3	23/11/2015
Smiths Detection	CTX 9800 DSi	MD Checkerboard HS Configuration	Inspection: 9800 ECDMD HS CB 3.0.5 Reconstruction: LibRecon 9800 HS CB		Tray: Beumer / Crisplant 400B767	3	23/11/2015

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
			DMA 8.0.0 Recon Post: Postproc SC TUB 8.0.0				
Smiths Detection	CTX 9800 DSi	MD Checkerboard HS Configuration	Inspection: 9800 ECDMD HS CB 3.0.5 Reconstruction: LibRecon 9800 HS CB DMA 8.0.2 Recon Post: Postproc SC 8.0.0		No Tray	3	15/06/2016 Configuration Change) 31/01/19 (Correction of entry)
Smiths Detection	CTX 9800 DSi	MD Checkerboard HS Configuration	Inspection: 9800 ECDMD HS CB 3.0.5 Reconstruction: LibRecon 9800 HS CB DMA 8.0.2 Recon Post: Postproc SC TUB 8.0.0		Tray: Beumer / Crisplant 400B767	3	Configuration Change) 31/01/19 (Correction of entry)
Smiths Detection	CTX 9800 DSi (0.5 m/s configuration)	1003589-02	Inspection: 9800 ECAC UHS EDM 3.0.18 Reconstruction: 9.2.0 Recon Post: 9.		No Tray	3	29/11/2016
Smiths Detection	CTX 5500 DS	CTX 5500	Inspection: p 17_0_0 Reconstruction: trecon 3.0.0		No Tray	3	26/04/2012
Smiths Detection	CTX 5800	CTX 5800 with Checkerboard	Inspection: 5800 ECAC SB CB 2.18.6 Reconstruction: 5800 CB 4.0.1		No Tray	3	10/04/2013
Smiths Detection	CTX 5800	CTX 5800 with Checkerboard	Inspection: 5800 ECAC SB CB 2.18.13 Reconstruction: 5800 CB 4.0.1 SC		No Tray	3	19/11/2013
Smiths Detection	CTX 5800	CTX 5800 with Checkerboard	Inspection: 5800 ECDMD SB CB 2.18.13			3	19/11/2013

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
			Reconstruction: 5800 CB 4.0.1 SC		No Tray		
Smiths Detection	CTX 5800	CTX 5800	Inspection: 5800 ECAC SB EDM 3.0.16 Reconstruction: 9.1.1 Recon Post: 9.1.1		No Tray	3	25/10/2016
Smiths Detection	CTX 9800 DSi (0.5 m/s configuration)	1003589-03	Inspection: 9800 ECAC UHS EDM 3.1.17 Reconstruction: 9.2.0 Recon Post: 9.2.0		No Tray	3	14/03/2018
Smiths Detection	CTX 9800 DSi (0.5 m/s configuration)	CTX 9800 DSi (0.5 m/s configuration)	Inspection: 9800 ECAC UHS EDM 3.1.17 Reconstruction: 9.2.0 Recon Post: 9.3.6		VANDERLANDE tray (Ref: 001036-241-00002)	3.1	27/02/2019
Smiths Detection	XRD 3500	Varian MCS-7074A X-Ray Tube CANBERRA Germanium Detector	Varian MCS-7074A X-Ray Tube CANBERRA Germanium Detector	Varian MCS-7074A X-Ray Tube CANBERRA Germanium Detector	No Tray	3	16/04/2010
SureScan	x1000	x1000 – HiSpeed (Stationary Gantry)	4.0.0	x1000B-i1310-A01 - x1000 Scanner Operations Manual, x1000B-i1310-B00 - x1000 Scanner	No Tray	3	23/11/2015 and 8/11/2017 (Configuration changes)

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
				Operations Manual			
SureScan	x1000 (0.5 m/s configuration)	x1000 – HiSpeed.5 (Stationary Gantry)	4.6.0	x1000B-i1310-A01 - x1000 Scanner Operations Manual, x1000B-i1310-B00 - x1000 Scanner Operations Manual	No Tray	3.1	23/02/2017 and 8/11/2017 (Configuration changes)
SureScan	x1000 (0.5 m/s configuration)	x1000 – HiSpeed.5 (Stationary Gantry); (200000009900B ASSY, TOP LEVEL)	4.6.1	x1000B-i1310-C00 - x1000 Scanner Operations Manual	No Tray		17/10/2018 (Configuration changes)

3. Qualified Explosive Trace Detection Technology.

The Qualified Technology section specifies devices that have undergone a formal ECAC/EU test process and are deemed qualified for screening operations. When procuring a device regulated parties shall select device from the list section 1.

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxiliary Hardware	Standard Achieved	Radioactive Source	Date Qualified
1st Detect Passengers and Cargo	TRACER 1000	00-10001-01	5.2.25	7.17.0.185	Swab: P/N #88-10002-03 P/N #88-10002-05; P/N #88-10002-06; P/N #88-10002-07	Yes (Hand swabbing)	No	20/02/2019 (CCM Auxiliary Hardware 15/01/2020)
1st Detect Passengers	TRACER 1000	00-10001-01	5.2.31	7.17.0.185	Swab: P/N #88-10002-03; P/N #88-10002-05; P/N #88-10002-06; P/N #88-10002-07	Yes (Hand swabbing)	No	20/02/2019 (CCM 15/01/2020)

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxiliary Hardware	Standard Achieved	Radioactive Source	Date Qualified
<p>Bruker Daltonik GmbH</p> <p>Passengers and Cargo</p>	<p>DE-tecto</p>	<p>1824953</p>	<p>Library B_EXEU_EXPL16 (P/N 1836522))</p>	<p>CONOPS: 2014-06-17/Rev. 1.00 (P/N 1829977) 2016-02-01/Rev. 1.01 (P/N 1829977)</p>	<p>Swab: Sample Collector (P/N 8702660) Sample Collector (P/N 8702660-E) Sampling wand: 8702515</p>	<p>Yes (Hand and wand swabbing)</p>	<p>No</p>	<p>09/04/2015 20/12/2018*</p> <p>*(Configuration Change)</p>
<p>Bruker Daltonik GmbH</p> <p>Passengers</p>	<p>DE-tector</p>	<p>1824953</p>	<p>Library B_EXEU_EXPL15 (P/N 1836524)</p>	<p>CONOPS :2014-06-17/Rev. 1.00 (P/N 1829977) 2016-02-01/Rev. 1.01 (P/N 1829977)</p>	<p>Swab: Sample Collector (P/N 8702660) Sample Collector (P/N 8702660-E) Sampling wand: 8702515</p>	<p>Yes (Hand and wand swabbing)</p>	<p>No</p>	<p>09/04/2015 20/12/2018*</p> <p>Configuration Change.</p>

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxiliary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Bruker GmbH Passengers	Daltonik DE-tector	1824953	Library B_EXEU_MIXD01 (P/N 1836519)	CONOPS:2 014-06-17/Rev. 1.00 (P/N 1829977) 2016-02-01/Rev. 1.01 (P/N 1829977)	Swab: Sample Collector (P/N 8702660) Sample Collector (P/N 8702660-E) Sampling wand: 8702515	Yes (Hand and wand swabbing)	No	09/04/2015 20/12/2018* *(Configuration Change)
Bruker GmbH Passengers	Daltonik RoadRunner	1860000	B_RR00_EXPL14	CONOPS:2 016-02-16/Rev. 1.00 (P/N 1842342)	Swab: Sample Collector M (P/N 1842394)	Yes (Hand swabbing)	No	20/09/2016
Bruker GmbH Passengers	Daltonik DE-tector	1824953	Library B_EXEU_EXPL22	CONOPS:2 016-02-01/Rev. 1.01 (P/N 1829977) 2016-02-01/Rev. 1.01 (P/N 1829977)	Swab: Sample Collector (P/N 8702660) Sample Collector (P/N 8702660-E) Sampling wand: 8702515	Yes (Hand and wand swabbing)	No	03/10/2018 24/10/2018 (Correction of entry) 20/12/2018* *(Configuration Change)

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxiliary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Bruker Daltonik GmbH Passengers	DE-tector	1824953	Library B_EXEU_EXPL19	CONOPS:2 016-02-01/Rev. 1.01 (P/N 1829977) 2016-02-01/Rev. 1.01 (P/N 1829977)	Swab: Sample Collector (P/N 8702660) Sample Collector (P/N 8702660-E)	Yes (Hand swabbing)	No	03/10/2018 24/10/2018 (Correction of entry) 20/12/2018* (Configuration Change)
Bruker Daltonik GmbH Passengers	DE-tector flex	1880000	Library B_EXFL_EXPL10	CONOPS: 2018-09-28 / Rev. 1.02 (P/N 1859473)	Swab: Sample Collector (P/N 8702660-E)	Yes (Hand swabbing)	No	06/12/2018
Bruker Optik GmbH Passengers and Cargo	DE-tector flex	1880000	B_EXFL_EXPL11	CONOP:20 19-08-27/Rev. 1.03, P/N 1859473	Swab: sample collector (P/N 8702660-E) Wand: P/N 8702515	Yes (Wand swabbing)	No	19/02/2020
L3 Technologies, Inc. Passengers	QS-B220	10011377	23176 (P/N 42300086)	CONOPS:4 2400030 (Quick Start Guide) 42400028 (User Manual)	Swab: Sample traps (P/N 42200191) Sampling wand - 10011279	Yes (Hand and wand swabbing)	No	20/05/2015

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxiliary Hardware	Standard Achieved	Radioactive Source	Date Qualified
L3 Technologies, Inc Passengers and Cargo	QS-B220	10011377	23448 (P/N 42300099)	CONOPS:4 2400030 (Quick Start Guide) 42400028 (User Manual)	Swab: Sample traps (P/N 42200191) Sampling wand - 10011279	Yes (Hand and wand swabbing)	No	20/05/2015
L3 Technologies, Inc. Passengers and Cargo	QS-B220	10011377	23444 (P/N 42300097)	42400030 (Quick Start Guide) 42400028 (User Manual)	Swab: Sample traps (P/N 42200191) Sampling wand - 10011279	Yes (Hand and wand swabbing)	No	20/05/2015
L3 Technologies, Inc. Passengers and Cargo	QS-B220	10011334	23445 (P/N 42300098)	CONOPS:4 2400030 (Quick Start Guide) 42400028 (User Manual)	Swab: Sample traps (P/N 42200191) Sampling wand - 10011279	Yes (Hand and wand swabbing)	No	20/05/2015 (Configuration Change)

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxiliary Hardware	Standard Achieved	Radioactive Source	Date Qualified
L3 Technologies, Inc. Passengers and Cargo	QS-B220HT	10011377	25088 (P/N 42300098)	1.4 P/N 42300085	Swab: Sample traps P/N 42200191 Sampling wand P/N 10011451	Yes (Hand and wand swabbing)	No	1/12/2016
L3 Technologies, Inc Passengers and Cargo	QS-B220HT	10011465	25088 (P/N 42300098)	1.4 P/N 42300085	Swab: Sample traps P/N 42200191 Sampling wand P/N 10011451	Yes (Hand and wand swabbing)	No	27/03/2018 (Configuration Change)
Rapiscan Passengers	ITEMISER 4DX	P0007018-015-CEP	C10.06.11-CEP	CONOPS: MA10002 6-01 / MA10002 6-02	Swab: M0002057 Hand Wand: M0001240	Yes (Hand and wand swabbing)	No	24/07/2015
Rapiscan Passengers and Cargo	ITEMISER 4DX	e P0007018-015-CEP	C10.06.14-CEP	CONOPS: MA10002 6-01 / MA10002 6-02	Swab: M0002057 Hand Wand: M0001240	Yes (Hand swabbing)	No	06/08/2015
Rapiscan Passengers and Cargo	ITEMISER DX	P00007018-014-CEP	8.89e13CEP	MA10003 4-01 / MA10003 4-02	Swab: M0001964-100	Yes (Hand swabbing)	Yes	29/01/2016

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxiliary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Rapiscan Passengers and Cargo	ITEMISER 4DX	P00007018-015-CEP	C10.06.23-CEP	MA10009 1 rev0A	Swab: M0002057	Yes (Hand swabbing)	No	11/01/2018
Rapiscan Passengers and Cargo	ITEMISER DX	P00007018-014-CEP	8.89e14CEP	MA10003 4-02 Revision C	Swab: S/N M0001964- 100 Wand: S/N M1000541	Yes (Hand swabbing)	Yes	03/10/2018 *04/10/2018 *Correction of entry
Nuctech Passengers and Cargo	TR2000DB -A	C 1.00	15.10.31.64	7.10	Swab: BZOA04030 00-I-02 Portable swab baker: BZOA08000 00-02	Yes (Hand swabbing)	Yes	20/09/2016
Nuctech Passengers	TR2000DB -A	C 1.00	16.8.2.64 (Library E11.A04.1611)	7.10	Swab: BZOA04030 00-I-02 Portable swab baker: BZOA08000 00-02	Yes (Hand swabbing)	Yes	11/01/2018

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxiliary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Nuctech Passengers	TR2000DB-A	C 1.00	16.8.2.64 (Library E11.A08.1611)	7.10	Swab: BZOA04030 00-I-02 Portable swab baker: BZOA08000 00-02	Yes (Hand swabbing)	Yes	11/01/2018
Nuctech Passengers and Cargo	TR2000DB-A	NIL2.0	D17.3.16.66 (Library E11.B01.1707)	v17.06	Swab: -04A Portable swab baker: BZOA08000 00-02	Yes (Hand swabbing)	Yes	11/01/2018
Nuctech (Passengers and Cargo)	TR2000DB-A	NIL2.0	D17.3.16.66 (Library E11.B02.1712) (Library E11.B05.1712) (Library E11.B06.1712)	v17.06	Swab: -04A Portable swab baker: BZOA04030 00-I-02	Yes (Hand swabbing)	Yes	03/10/2018
Nuctech (Passengers and Cargo)	TR2000DC	Detector CIL4.0 Firmware C1.2.0	D18.9.26	19.03	Swab: -04A Swab Baker Type-02E	Yes (Hand swabbing)	No	19/09/2019
Smiths Detection (Passengers and Cargo)	IONSCAN 500DT	4816800	AE Rev L	500DT_3.05.031	Swab: Part Number 6822254-A Wand: P/N 6820512	Yes (Hand and wand swabbing)	Yes	29/01/2015

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxiliary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Smiths Detection (Passengers and Cargo)	IONSCAN 600	4824000	IS600 Exp ECAC-final ECAC E (24727-1)* ECAC E (24766-1)* ECAC E (24766A-1)	441151 9824012-A 9824012-B 9824012-C	Swab: P/N 6824768-01; P/N 1824019-A	Yes (Hand and wand swabbing)	No	13/03/2015 15/06/2016 14/11/2016 30/05/2017
Smiths Detection (Passengers and Cargo)	IONSCAN 600	4824000	IS600 Exp ECAC-1 final	9824012-A 9824012-B 9824012-C	Swab: P/N 6824768-01; P/N 1824019-A Sampling Wand: P/N 3824750-1; P/N 3824750-2	Yes (Hand and wand swabbing)	No	01/12/2015 and 15/06/2016 30/05/2017 (Configuration Change)
Smiths Detection (Passengers and Cargo)	IONSCAN 600	4824000E-101-2 4824000E-101P-2	ECAC E (24758-1) ECAC E (24758-2) ECAC E (24758-4) ECAC E (24758A-1) ECAC E (24758A-2) ECAC E (24758A-4)	9824012-D 9824012-E 9824012-F 9824012-K 9824012-R 9824012-T	Swab: P/N 6824768-01; P/N 1824019-A Sampling Wand (Optional): P/N 3824750-1; P/N 3824750-2	Yes (Hand and wand swabbing)	No	03/10/2016 03/10/2018 and 14/11/2016 30/05/2017 21/03/2018 01/02/2019 (Configuration Changes)

Notes:

(1) Information on configuration is provided by the equipment manufacturer as part of the testing process. The equipment model can have multiple configurations assembled from each of the elements presented in the fields (System Hardware, System Software, Auxiliary Hardware, Detection Algorithm and CONOPS). Each of the model's multiple configurations achieved the standard in the specified field of use.

(2) For the performance of ETD equipment, two fields of use have been considered:

Passengers: involves screening of passengers, persons other than passengers, items carried, cabin baggage and hold baggage.

Cargo: involves screening of cargo and mail, in-flight supplies, airport supplies and air carrier materials loaded in the aircraft hold.

4. Electronic Metal Detection (EMD) device or Walkthrough Metal Detection (WTMD) Device.

Technology Description: Devices that interrogate items under inspection with a time varying electromagnetic field. Secondary magnetic disturbances induced by the primary field are detected by the EMD, and an alarm condition is displayed if threshold levels have been exceeded.

Technology Classification: This technology is classified by three designations: type, class, and capacity (see below for descriptions). Although a device can only be classified into one type and capacity, it can be qualified for more than one class.

Type Designations	
ID	Description
Type I	General Detection Capability – Capable of detecting threats without any indication of threat location.
Type II	Detection Plus Localizing Capability – Capable of detecting threats and providing visual cues for the location of detected threats.

Class Designations		
ID	Description	Example
1	Printed Matter (PM)	New spapers, Books, Magazines, Flyers.
2 (1)	Electronic Equipment (EE)	Digital Clocks, Sandwich Makers, Blow Dryers, Computers, Personal Digital Assistants.
3 (1)	Machine Parts (MP)	Auto Parts, Aircraft Starters, Car Jacks, Food Graters.
4 (1)	Misc. Durable Goods (MDG)	Home Renovation Materials, Canned Goods, Furniture.
5	Wearing Apparel (WA)	Clothing, Shoes, Handbags, Jackets.
6	Fresh Produce (FP)	Grapefruit, Pineapple, Cucumbers.
7	Fresh Flow ers (FF)	Various Tubers and Bulbs, Annual and Perennial Flowers, Cut Flowers
8	Fish and Meats (FM)	Shrimp, Fish, Beef, Poultry.

Notes:

(1) These commodity classes are expected to contain trace or significant amounts of metallic materials, and hence are not suitable for metal screening.

Capacity Designations (1)	
ID	Description
A	Small Aperture – Can accommodate screening of air cargo with an item size of at least 49 cm (19.3 in.) w ide by 38 cm (15 in.) high by 91 cm (35.8 in.) long and 50 kg (110.2 lbs.) in w eight and up to 80 cm (31.5 in.) w ide by 60 cm (23.6 in.) high by 120 cm (47.2 in.) long and 100 kg (220.5 lbs.) in w eight.
B	Medium Aperture – Can accommodate screening of air cargo with an item size of at least 80 cm (31.5 in.) w ide by 60 cm (23.6 in.) high by 120 cm (47.2 in.) long and 100 kg (220.5 lbs.) in w eight and up to 122 cm (48 in.) w ide by 153 cm (60.2 in.) high by 122 cm (48 in.) long and 1,000 kg (2,205 lbs.) in w eight.
C	Large Aperture – Can accommodate screening of air cargo with an item size of at least 122 cm (48 in.) w ide by 153 cm (60.2 in.) high by 122 cm (48 in.) long and 1,000 kg (2,205 lbs.) in w eight.

Notes:

(1) The capacity listing is for testing and informational purposes only.

4.1 Qualified Walk through metal detector (WTMD) Technology.

The Qualified Technology section specifies devices that have undergone a formal ECAC/EU and TSA test process and are deemed qualified for screening operations. When procuring a device regulated parties shall select device from the list section 1.

Manufacturer	Device Model Number	Required Top Assembly Part Number	Class 1 (PM)	Class 5 (WA)	Class 6 (FP)	Class 7 (FF)	Class 8 (FM)	Type	Capacity	Date Qualified
CEIA USA (2)	EMIS 6047	EMIS6047 EMIS_6047_001	YES	YES	YES	YES	YES	YES	I	03/13/2013
CEIA USA (2)	EMIS 8075	EMIS8075 EMIS_8075_001 EMIS_8075_002	YES	YES	YES	YES	YES	YES	I	03/13/2013
CEIA USA (2)	EMIS 110160	EMIS_110160_001	YES	YES	YES	YES	YES	YES	I	03/13/2013
CEIA USA (2)	EMIS 130160	EMIS_130160_001	NO	NO	YES	YES	YES	YES	I	03/13/2013
CEIA USA (2)	EMIS 130200	EMIS_130200_002	YES	YES	YES	YES	YES	YES	I	05/10/2018

Manufacturer	Device Model Number	Hardware:	Antenna	Detection Algorithm	CONOPS	Standard(2)	Date Qualified
CEIA S.p.A	02PN10K-EVO	02PN10K/PZ-EVO V2.00x Control Unit Board SCD73	SS65	PV 1010, IS=EU-STD-2	FI060K0098v1103xUK	2	12/03/2019
CEIA S.p.A	HI-PE PLUS	LX1A1010	SS65	LXDA2000	FI060K0220V1000	2	08/07/2019
Rapiscan	Metor 6E	Electronics, p/n 23106448	Coil Set1, p/n 23109437 Coil Set2, p/n 23109438	Software, Detection Core, Metor 6E p/n 101021459, v1.00, EU2	CONOPS, ECAC CEP, Metor 6E, "Quick Guide", p/n D01499, v1	2	08/07/2019
Nuctech	MD2000	1.0	MBP1-2.13 MBP2-2.13	08.00.06.00	V1.0 / 01-2020	2	07/04/2020

5. Liquid Explosive Detection System (LEDS)

Qualified LEDS Technology

The Qualified Technology section specifies devices that have undergone a formal ECAC/EU test process and are deemed qualified for screening operations. When procuring a device regulated parties shall select device from the list section 1.

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Agilent Technologies (Previously: Cobalt Light Systems)	Insight100	Detection Hardware: INS100-v1.0 Auxiliary Detection Hardware: Spectrograph: Q22244 CCD: DR-324B-FI Software: • Insight.exe (2.0.0.1) • Insight100.exe (2.2.1.0) Algorithm : INS100-27 Rev. 1.0, 1 Sep 2011	3	B	23/12/2011 and 26/04/2013 (Configuration Change)
Agilent Technologies (Previously: Cobalt Light Systems)	Insight100	Detection Hardware: INS100-v1.0 Auxiliary Detection Hardware: Spectrograph: Q22244 CCD: DR-324B-FI Software: Insight100.exe (2.1.0.0) • Insight100.exe (2.2.1.0) Algorithm: INS100-27 Rev. 1.1, 1 Oct 2011	2	B	23/12/2011 and 26/04/2013 (Configuration Change)
Agilent Technologies (Previously: Cobalt Light Systems)	Insight100	Detection Hardware: INS100-v1.0 Auxiliary Hardware: Grav-kit-v1.0 Measurement Software: 1.9.0 CONOPS: INS100-35-EN Revision 1.0	3	B	14/08/2014 and *11/09/2017 (Configuration Changes)
Agilent Technologies (Previously: Cobalt Light Systems)	Insight100	Detection Hardware: INS100-v1.0 Measurement Software: 1.9.0 CONOPS: INS 100-25-EN Rev. 2.5 INS100-24-EN Rev. 1.1	3	A	20/11/2013

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Agilent Technologies (Previously: Cobalt Light Systems)	Insight200M	Detection Hardware: Cobalt P/N 071-T008-201 SORS Detection Software: SORS DLL Measurement software (1.9.0) Metal Detection Software: Gravi200.exe (1.0) CONOPS: INS200M - 24 - EN Revision 1.0 used with INS200M – 25 – EN Revision 1.1	3	A	24/09/2015
Agilent Technologies (Previously: Cobalt Light Systems)	Insight200M	Detection Hardware: Cobalt P/N 071-T008-201 SORS Detection Software: SORS DLL Measurement software (1.9.0) Metal Detection Software: Gravi200.exe (1.0) CONOPS: INS200M - 25 - EN Revision 1.1	3	B	24/09/2015
Agilent Technologies (Previously: Cobalt Light Systems)	Insight200M	Detection Hardware: Agilent G6913A with Cobalt internal P/N 071-T008-201 SORS Detection Software: SORS DLL Measurement software (1.9.0) Metal Detection Software: Gravi200.exe (1.0) CONOPS: Type B PLRM-CUD22 Insight200M CONOPS Rev 2.0	3	B	02/07/2020
Agilent Technologies (Previously: Cobalt Light Systems)	Insight200M	Detection Hardware: Agilent G6913A with Cobalt internal P/N 071-T008-201 SORS Detection Software: SORS DLL Measurement software (1.9.0) Metal Detection Software: Gravi200.exe (1.0) CONOPS: Type A PLRM-CUD21 Insight200M CONOPS Rev 2.0	3	A	02/07/2020

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Analogic	COBRA	Detection Hardware: AN6980 Algorithm: Config 4.193 (261) CONOPS: 1-64812	2	D/D+	04/03/2013
Battelle (formerly Sellex)	LS10	Detection Hardware: LS10 (635109J5000-10) Auxiliary Hardware: Firmware v1.24 Algorithm: v1.3.20.1045 CONOPS: LS10 Operator Manual (635109J0040)	2	B	27/11/2012
Battelle (formerly Sellex)	LS10	Detection Hardware: LS10 (635109J5000-10) Auxiliary Hardware: Firmware v1.24 Algorithm: v1.3.14.1026 CONOPS: LS10 Operator Manual (635109J0040)	2	B	27/11/2012
Battelle (formerly Sellex)	LS10	Detection Hardware: LS10 (635109J5000-10) Auxiliary Hardware: Firmware v1.24 Algorithms: v1.3.32.1613 v1.3.40.1614 CONOPS: LS10 Operator Manual (635109J0040)	3	B	03/03/2014
Battelle (formerly Sellex)	LS10	Detection Hardware: LS10 (635109J5000-10) Auxiliary Hardware: Firmware v1.24 Algorithm: v2.3.40.1705 CONOPS: LS10 Operator Manual (635109J0040)	3	B	05/01/2016 (Configuration Change)
Battelle (formerly Sellex)	LS10	Detection Hardware: LS10 (635109J5000-10) Auxiliary Hardware: Firmware v1.24 Algorithm: v2.2.14.001 CONOPS: LS10 Operator Manual (635109J0040)	2	B	16/02/2016 (Configuration Change)
CEIA	EMA-3	Detection Hardware: EMA-3 Algorithm: PV EMA3 3540, PVCT EMAO 2100 CONOPS: FI200K0015v1116UK	3	A	26/04/2013

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
CEIA	EMA-3	Detection Hardware: EMA-3 Auxiliary Hardware: EMA-EXTP-EXA-MS Algorithm: PVCT EMAO 2100, PVEX EMAX 5311 CONOPS: FI200K0015v1209	2	B	02/05/2014
CEIA	EMA-3	Detection Hardware: EMA-3 Algorithm: PV EMA3 3550, PVCT EMAO 2100, AL3 CONOPS: FI200K0015v1122	2	B	02/05/2014
CEIA	EMA-3	Detection Hardware: EMA-3 Algorithm: PV EMA33550, PVCT EMAO 2100, AL4 CONOPS: FI200K0015v1122	3	A	04/11/2014
DetectaChem	SEEKERe	Detection Hardware: 2.5.1 Algorithm: 13.1.0 CONOPS: SEEKERe User Manual (R1.10)	2	A	08/02/2017
DetectaChem	SEEKERe	Detection Hardware: 2.5.1 Algorithm: 13.2.2 CONOPS: SEEKERe User Manual (R1.10)	2	A	08/02/2017
DetectaChem	SEEKERe	Detection Hardware: 2.5.1 Algorithm: 13.3.0 CONOPS: SEEKERe User Manual (R1.10)	2	A	08/02/2017
Emisens	EMILI	Algorithm: Database 7.1 ECAC_Retest_Jan2012_v3.ini Detection Hardware: EMILI 2 CONOPS: Emili2_ConOP_03; Rev. 2.0 July 2011	2	B	20/04/2012
Emisens	EMIL	Algorithm: Database 7.1 ECAC_Retest_Jan2012_v3.ini Detection Hardware: EMILI 2 CONOPS: Emili2_ConOP_03; Rev. 2.0 July 2011	2	B	20/04/2012

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Emisens	EMILI	Detection Hardware: EMILI TS Measurement Software: ecac_std_v5.1.ini ecac_std_v5.2.ini ecac_std_v5.3.ini CONOPS: EMILI TS Conops 0513	2		03/03/2014
Emisens	EMILI 3	Detection Hardware: EMILI 3 Measurement Software: ecac_std_v6.1.ini CONOPS: EMILI 3 Conops 1214 (Rev. 1 March 2015)	2	B	19/08/2015
Emisens	EMILI 3	Detection Hardware: EMILI 3 Measurement Software: ecac_std_v6.13.ini ecac_std_v6.14.ini CONOPS: EMILI 3 Conops 1214 (Rev. 1 March 2015)	3	B	19/08/2015
FLIR (formerly ICX Nomadics)	PaxPoint V2	Algorithm: Beta 1.00 CONOPS: 20.08.2010 with one additional page concerning specific sampling for type A tests	3	A	26/04/2013
FLIR	FIDO X3C	Detection Hardware: X3 (PNO.: FH-65-A) Measurement Software: Beta 1.00 Build 319 CONOPS: FIDO X3C Administrator Manual 1.00 Rev A (June 2013)	2	A	09/08/2013

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Gilardoni	FEP ME 640 AMX	Detection Hardware: 05141082 OptoScreener OS3000 System 5.8; Software: Auxiliary Hardware: • 5.8.0.42386 • 5.8.6.53192 Acquisition module 6.0; Liquid detection module 6.3 System Software: 3AUE0183 CONOPS: 37300500-005	2	C	11/07/2012
Gilardoni	FEP ME 640	Detection Hardware: 05141092 2 C 11/07/2012 Auxiliary Hardware: OptoScreener OS3000 System 5.8; Software: • 5.8.0.42386 • 5.8.6.53192 Acquisition module 6.0; Liquid detection module 6.3 System Software: 3AUE0217 CONOPS: 37300500-005	2	C	11/07/2012
Gilardoni	FEP ME 640	Detection Hardware: 37493500-000 Algorithm: 3AUE0263-002 System Software: 3AUE0217 CONOPS: 37493700-003	2	C	06/05/2014
Gilardoni	FEP ME 640	Detection Hardware: 37493500-000 Algorithm: 3AUE0263-002 System Software: 3AUE0217-001 CONOPS: 37493700-003	2	C	11/02/2015 (Configuration Change)

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Gilardoni	FEP ME 640 AMX	Detection Hardware: 37548400-000 Algorithm: 3AUE0263-003 System Software: 3AUE0183-002 CONOPS: 37548500-001	2	C	12/05/2014
Gilardoni	FEP ME 640	Detection Hardware: 37493500-000 Algorithm: 3AUE0263-003 System Software: 3AUE0217-001 CONOPS: 37620800-001	2	C	26/05/2015
Gilardoni	FEP ME 640 AMX	Detection Hardware: 37548400-000 Algorithm: 3AUE0263-002 System Software: 3AUE0183-002 CONOPS: 37620900-001	2	C	26/05/2015
Gilardoni	FEP ME 640 AMX	Detection Hardware: 37548400-000 Algorithm: 3AUE0263-004 System Software: 3AUE0183-002 CONOPS: 37637700-001 rev 002 Gilardoni Tray 10461200	2	C	16/02/2016
Kromek	Identifier BLS-1003	Algorithm: CMP_SOF_0800 Rev 4 CONOPS: MAL-OPS-0851	2	B	13/10/2010
Kromek	Identifier BLS1006	Detection Hardware: SPF-TEC-1207 Auxiliary Hardware: BOM-OPS-1006 CONOPS: CON-OPS-0866 Rev3 Algorithm: 7.4.0.0	2	B	14/05/2013 (CONOPS update 04/11/2014)

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Kromek	Identifier BLS1006	Detection Hardware: SPF-TEC-1207 Auxiliary Hardware: BOM-OPS-1006 Algorithm: 7.5.0.8 CONOPS: CON-OPS-0866 Rev3	2	B	09/08/2013 (CONOPS update 04/11/2014)
Kromek	Identifier BLS1006	Detection Hardware: SPF-TEC-1207 Auxiliary Hardware: BOM-OPS-1006 Algorithm: 7.5.0.9 CONOPS: CON-OPS-0866 Rev3	3	B	09/08/2013 (CONOPS update 04/11/2014)
Kromek	Identifier BLS1006	Detection Hardware: SPF-TEC-1207 Auxiliary Hardware: BOM-OPS-1006 Algorithm: 7.5.0.10 CONOPS: CON-OPS-0866 Rev3	3	B	09/08/2013 (CONOPS update 04/11/2014)
Kumahira Co. Ltd.	LSR-M1	Detection Hardware: 1.0 Detection Software: 1.0 CONOPS: 2015/09/26 v1.0 No Tray	2	B	16/02/2016
Kumahira Co. Ltd.	LSR-M2	Detection Hardware: 1.00 Auxiliary Hardware: NIR.DB.ECAC.1.0.0.0 System Software: 1.00 Algorithm: 1.00 CONOPS: CONOP v1.00	3	B	07/07/2017

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Kumahira Co. Ltd.	LSR-M2	Detection Hardware: 1.01 Auxiliary Hardware: NIR.DB.ECAC.1.0.0.0 System Software: 1.01 Algorithm: 1.00 CONOPS: CONOP v1.00	3	B	18/07/2017 (Configuration Change)
Kumahira Co. Ltd.	LSR-M2	Detection Hardware: 1.01 Auxiliary Hardware: NIR.DB.ECAC.1.0.0.0 System Software: 1.02 Algorithm: 1.00 CONOPS: CONOP v1.01 (24/04/2018)	3	B	31/05/2018 (Configuration Change)
Kumahira Co. Ltd.	LSR-M2	Detection Hardware: 1.01 Auxiliary Hardware: NIR.DB.ECAC.1.0.0.0 System Software: 1.03 Algorithm: 1.00 CONOPS: CONOP v1.01 (24/04/2018)	3	A	04/10/2018 (Configuration Change)
Kumahira Co. Ltd.	LSR-M2	Detection Hardware: 1.01 Detection Software: 1.01 Auxiliary hardware: NIR. DB. ECAC 1.0.0.0 System Software V 2.00 V 2.01 CONOPS: v1.02 (09.02.2019) No Tray	3	B	12/07/2019 18/02/2020 (CCM)
Kumahira Co. Ltd.	LSR-M2	Detection Hardware: 1.01 Auxiliary Hardware: NIR. DB. ECAC 1.0.0.0 System Software V 2.00 V 2.01 Detection software: 1.01 CONOPS: v1.02 (09.02.2019)	3	B	12/07/2019 18/02/2020 (CCM)

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Leidos (previously: L3 Technologies, Inc.)	ACX6.4-MV (3 view) with Optosecurity XMS®	Detection Hardware: 1000-MVACX-03 REV:C0 Auxiliary Detection Hardware: HP Z620 (OS-3000, 5.12) Algorithm: V 6.7 CONOPS: 8500-10118-00 REV:A1	2	C	20/11/2013
Leidos (previously: L3 Technologies, Inc.)	ClearScan	Detection Hardware: 1000-10001-CS Rev 01 Algorithm: EDS-1.1.1 CONOPS: 8100-26903-00 Herbert Tray	2	D/D+	10/11/2015
Leidos (previously: L3 Technologies, Inc.)	ClearScan	Detection Hardware: 1000-10001-CS Rev 01 Algorithm: EDS-1.1.1 CONOPS: 8100-26903-00 Scarabee Long Tray	2	D/D+	10/11/2015
Nuctech	XT2080 X-Ray CT	Detection Hardware: CH-II 1.2 Algorithm: LEDS 1.7 CONOPS: V1.1	2	D/D+	02/05/2014
Nuctech	LS1516BA	Detection Hardware: DHV 1.0 System Software: V1.2.036.200 Algorithm: AV 3.2.2.0 AV 3.2.2.1	2	C	14/08/2014
Nuctech	LS1516BA	Detection Hardware: DHV 1.0 System Software: V1.2.036.200 Algorithm: AV 3.2.2.0 AV 3.2.2.1	3	B	14/08/2014
Nuctech	LS1516BA	Detection Hardware: DHV 1.0 System Software: V1.2.036.188 Algorithm: AV 3.2.1.11 AV 3.2.1.12	3	B	03/03/2014
Nuctech	LS1516BA	Detection Hardware: DHV 1.0 System Software: V1.2.026.140 Algorithm: AV 3.1.0.9	2	B	13/10/2010

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Nuctech	RT1003	Detection Hardware: 3.0 Measurement Software: 1.0.9.12 CONOPS: 7.1.1	3	B	02/05/2014
Nuctech	RT1003	Detection Hardware: 3.0 Measurement Software: 1.0.9.6 CONOPS: 7.1.1	2	B	20/11/2013
Nuctech	RT1003E	Detection Hardware: 2.0 Measurement Software: 1.1.2 CONOPS: 3.1	3	B	11/02/2015
Nuctech	RT1003EB	Detection Hardware: 2.0 Measurement Software: 1.1.3 CONOPS: 2.1	3	B	30/11/2016
Nuctech	RT1003EB	Detection Hardware: 2.0 Measurement Software: 1.1.3 CONOPS: 2.1	3	A	30/11/2016
Nuctech	RT1003EB	Detection Hardware: 2.0 Measurement Software: 1.1.3 CONOPS: 2.2	3	B	22/09/2017
Nuctech	RT1003EB	Detection Hardware: 2.0 Measurement Software: 1.1.3 CONOPS: 2.2	3	A	22/09/2017
Nuctech	CX6040D	Detection Hardware: CX6040D.B05N Algorithm: Lida V1.0.1 CONOPS: CONOPS CX6040D V1.0 (2017-12-01) Tray: LTray V1.0	2	C	26/09/2018

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Nuctech	CX 7555D	Detection Hardware: CX7555D.A03N Algorithm: Lida V1.0.2 CONOPS: CONOPS_CX7555D_LEDS_V1.0_20190716 Tray: LTray V1.0	2	C	25/03/2020
One Resonance Sensors	MobiLab® BLS	Detection Hardware: MobiLab® BLS Measurement Software: 2.01B YM BLS 1402 CONOPS: MobiLab®BLS-Configuration A, February 5th, 2014	2	B	12/05/2014
Optosecurity	OptoScreener on Smiths 6040i	Detection Hardware: Smiths 6040i Auxiliary Detection Hardware: OS-3000 Algorithm: 6.0 CONOPS: D500-10001	2	C	23/12/2011
Optosecurity	OptoScreener on Smiths 6040i	Detection Hardware: Smiths 6040i Auxiliary Detection Hardware: HP Z620 (OS3000 – 5.33) Algorithm: V 6.0 CONOPS: D500-1000	2	C	20/11/2013
Optosecurity	OptoScreener on Smiths 6040i	Detection Hardware: Smiths 6040i Auxiliary Detection Hardware: HP Z620 (OS3000 - 6.8.1) Algorithm: V 6.0 CONOPS: D500-1000	2	C	20/11/2013
Optosecurity	OptoScreener on Smiths 6040i	Detection Hardware: Smiths 6046si Auxiliary Detection Hardware: HP Z620 / OS3000 Algorithm: V 6.5 CONOPS: D500-10001	2	C	20/11/2013

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Osaka University	NuLEDS 1.0	Detection Hardware: Nu-1.0 Detection Software: Nu-1.0 CONOPS: Nu-1.0 2013-11-06 No Tray	2	B	03/03/2014
Rapiscan	620 DV	Detection Hardware: 620DV Algorithm: 3.280 CONOPS: 92106913 rev 1 Tray: 42106376 (Rapiscan)	2	C	11/07/2012
Rapiscan	620 DV	Detection Hardware: 620DV Algorithm: 3.280 CONOPS: 92106913 rev 2; trays: 42112481 (MacDonald Humfrey) 42112482 (Herbert)	2	C	11/02/2015 (Configuration Change)
Rapiscan	620 DV	Algorithm: 3.280 CONOPS: 92106913, Rev 2 Vanderlande Scannojet tray (P/N P10128 / 095527-727)	1	C	18/12/2018
Rapiscan	620 DV	CONOPS: 92106913, Rev 2 Vanderlande Scannojet tray (P/N P10128 / 095527-727)	1	C	02/06/2020
Rapiscan	620 DV	Algorithm: 3.510 CONOPS: 92106913, Rev 2 Vanderlande Scannojet tray (P/N P10128 / 095527-727)	2	C	02/06/2020
Reveal Imaging Technologies	CT-800	Detection Hardware: CT-800 Algorithm: 4.3.0.2 CONOPS: CT-800 User Guide (P/N 81032)	2	D	04/01/2012
Smiths Detection	HI-SCAN 6040aTiX	Algorithm: 05-92-30 CONOPS: 95592934, 10/08/2010	2	C	13/10/2010

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 91290001 Algorithm: 06-31-35 CONOPS: 95592934, 10/08/2010	2	C	30/09/2011
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 91290001 Algorithm: 06-31-07 CONOPS: 95592934, 10/08/2010	2	C	30/09/2011
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 91290001 Algorithm: 06-60-30 CONOPS: 95593780, 30/03/2012 Schoeller Allibert tray 2A021	2	C	11/07/2012
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 91290001 Algorithm: 06-60-32 CONOPS: 95593780, 30/03/2012 Schoeller Allibert tray 2A021	2	C	09/08/2013
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 91290001 Algorithm: 07-60-30 CONOPS: 95593780, 30/03/2012 Schoeller Allibert tray 2A021	2	C	20/11/2013
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 91290001 Algorithm: 08-90-30 CONOPS: 95593780, 30/03/2012 Schoeller Allibert tray 2A021	2	C	30/05/2016
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 6040aTiX Algorithm: 09-16-23 CONOPS: 95595885 (2016/09/26) Herbert Tray 91280AS (P/N 34460688)	3	C	15/06/2017

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 6040aTiX Algorithm: 08-90-31 CONOPS: 95595885 (2016/09/26) Schoeller Allibert tray 2A021 (P/N 11112352)	3	C	15/06/2017
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 6040aTiX Algorithm: 09-15-13 CONOPS: 95595885 (2016/09/26) Schoeller Allibert tray 2A021 (P/N 11112352)	3	C	15/06/2017
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 6040aTiX Algorithm: 09-16-23 CONOPS: 95595885 (2016/09/26) Schoeller Allibert tray 2A021 (P/N 11112352)	3	C	15/06/2017
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 6040aTiX Algorithm: 09-16-23 CONOPS: 95595885 (2016/09/26) Smiths Detection Tray (P/N 34486990) Smiths Detection tray 2 (P/N 34482148)	3	C	22/09/2017 23/07/2018 (Re- test results)
Smiths Detection	HI-SCAN 6040aTiX	Algorithm: 05-93-30 CONOPS: 95592934, 10/08/2010	2	C	13/10/2010
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 91460001 Algorithm: 06-31-36 CONOPS: 95592934, 20/09/2011	2	C	14/05/2013
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 91460001 Algorithm: 06-41-38 CONOPS: 95594585, 22/11/2013 Herbert Tray	2	C	23/12/2011

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 91460001 Algorithm: 06-41-38 CONOPS: 95594586, 22/11/2013 MacDonald Humfrey Tray	2	C	03/03/2014
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 91460001 Algorithm: 06-41-38 CONOPS: 95594586, 22/11/2013 MacDonald Humfrey Tray	2	C	03/03/2014
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 91460001 Algorithm: 09-12-26 CONOPS: 95593780, 30/03/2012 Schoeller Allibert Tray 2A021	3	C	30/11/2016
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 91460001. Algorithm: 09-15-16 CONOPS: 95595885 (2016/09/26) Schoeller Allibert tray 2A021 (P/N 11112352)	3	C	15/06/2017
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 91460001 Algorithm: 09-15-25 CONOPS: 95595885 (2016/09/26) Schoeller Allibert tray 2A021 (P/N 11112352)	3	C	15/06/2017
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 91460001 Algorithm: 09-16-26 CONOPS: 95595885 (2016/09/26) Schoeller Allibert tray 2A021 (P/N 11112352)	3	C	15/06/2017
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 91460001 Algorithm: 09-16-26 CONOPS: 95595885 (2016/09/26) Herbert tray 91280AS (P/N 34460688)	3	C	15/06/2017

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 91460001 Algorithm: 09-17-16 CONOPS: 95595885 (2016/09/26) Herbert tray 91280AS (P/N 34460688)	3	C	15/06/2017
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 91460001 Algorithm: 09-17-26 CONOPS: 95595885 (2016/09/26) Herbert tray 91280AS (P/N 34460688)	3	C	15/06/2017
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 7555aTiX Algorithm: 09-16-26 System software HX-03-21-A CONOPS: 95596016 (2017/09/26) Smiths Detection Tray (P/N 34486990) Smiths Detection tray 2 (P/N 34482148)	2	C	12/07/2019
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: 90140002 Algorithm: 08-12-35 CONOPS: 95584650, 15/09/2013	2	C	03/03/2014
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: 90140002 Algorithm: 08-12-30 CONOPS: 95584650, 15/09/2013	2	C	03/03/2014
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: 90140002 Algorithm: 08-13-30 CONOPS: 95584650, 15/09/2013	2	C	04/11/2014
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: 90140002 Algorithm: 08-14-40 CONOPS: 95584650, 15/09/2013	2	C	04/11/2014

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: 90140002 Algorithm: 09-12-30 CONOPS: 95594585, 24/11/2015 Herbert Tray 91280AS	2	C	30/05/2016
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: 90140002 Algorithm: 09-15-20 CONOPS: 95595885 (2016/09/26) Schoeller Allibert tray 2A021 (P/N 11112352)	2	C	15/06/2017
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: 90140002 Algorithm: 09-15-18 CONOPS: 95595885 (2016/09/26) Herbert Tray 91280AS (P/N 34460688)	2	C	15/06/2017
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: 90140002 Algorithm: 09-15-19 CONOPS: 95595885 (2016/09/26) Herbert Tray 91280AS (P/N 34460688)	2	C	15/06/2017
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: 6040-2is HR Algorithm: 09-15-20 CONOPS: 95595885 (2016/09/26) Smiths Detection Tray (P/N 34486990) Smiths Detection tray 2 (P/N 34482148)	2	C	14/05/2013
Smiths Detection	HI-SCAN 6046si	Detection Hardware: 91150001 Auxiliary Hardware: TIM (Threat Inquest Module) Algorithm: 06-82-38 CONOPS: 95594060	2	C	14/05/2013

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Smiths Detection	HI-SCAN 6046si	Detection Hardware: 91152001 Auxiliary Hardware: TIM (Threat Inquest Module) Algorithm: 06-82-37 CONOPS: 955940603	2	C	22/03/2018
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 6040aTiX Algorithm: 09-18-24 CONOPS: 95595885 (2016/09/26) MacDonald Humfrey Tray (P/N 34460689)	3	C	22/03/2018
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 6040aTiX Algorithm: 08-90-31 CONOPS: 95595885 (2016/09/26) Smiths Detection tray (P/N 34486990) Smiths Detection tray 2 (P/N 34482148)	3	C	18/12/2018
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 6040aTiX Algorithm: 09-15-13 CONOPS: 95595885 (2016/09/26) Smiths Detection tray (P/N 34486990) Smiths Detection tray 2 (P/N 34482148)	3	C	18/12/2018
Smiths Detection	HI-SCAN 6040aTiX	Detection Hardware: 6040aTiX Algorithm: 09-19-23 CONOPS: 95596016 (2017/09/26) Vanderlande tray (P/N P10128 / 095527-727) Vanderlande inlay (P/N P13715 / 095535-212)	3	C	18/12/2018
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: 6040aTiX Algorithm: 09-70-23 CONOPS: 95596016 Vanderlande Scannojet tray (P/N P10128 / 095527-727)	3	C	26/02/2019

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Veriteque USA, Inc (previously: System Two)	SwabTek (previsouly: S2LETK)	LETK Detection Hardware: Test strip batch 200710 Algorithm: Non applicable CONOPS: July 2010	2	A	13/10/2010
Veriteque USA, Inc (previously: System Two)	SwabTek (previsouly: S2LETK)	LETK Detection Hardware: Test strip 082015V2 Algorithm: Non applicable CONOPS: LETK082015 v2.0 LETK072016 v3.0	2	A	30/10/2015 And 23/08/2016 (Configuration Changes)
Veriteque USA, Inc (previously: System Two)	SwabTek (previsouly: S2LETK)	LETK Detection Hardware: Test strip batch BL 315250 Algorithm: Non applicable CONOPS: LTD 29 November 2018 v2.0	3	A	12/02/2020
Thermo Fisher Scientific	TruScreen 1281	580- Algorithm: V2.1.0/Build 9119/Conf BLSM-A1-T03E CONOPS: Brochure TSCBR02 with one additional page	3	A	26/04/2013
X-Ray Center	XRC 60-40DV	Algorithm: 108.1.117.187.21 Tray: • Elder engineering(P/N 42106376) • Foam (Polyformes, P/N 256412) CONOPS MCIL Rev.1	2	C	15/01/2020
X-Ray Center	XRC 60-40DV	Algorithm: 108.1.117.187.25 Tray: • Elder engineering (P/N 42106376) • Foam (Polyformes, P/N 256412) • Bolts (RS components, P/N 12234438) CONOPS MCIL Rev.1	2	C	15/01/2020
X-Ray Center	XRC 60-40DV	Algorithm: 108.1.117.187.35 Tray: • Elder engineering(P/N 42106376) • Foam (Polyformes, P/N 256412) • Bolts (RS components, P/N 12234438) CONOPS MCIL Rev.1	3	C	15/01/2020

Notes:

(1) Information on configuration was provided by the equipment manufacturer as part of the testing process.

(2) On the basis of the Concept of Operations (CONOPS) of the tested LEDES, provided by the manufacturer, the LEDES performance was tested for a given type of operations:

Type A: the LEDES screens individual containers and requires containers to be opened for sampling. LAG containers must be removed from cabin baggage.

Type B: the LEDES screens individual containers with no requirement for containers to be opened (original seal remains intact). LAG containers must be removed from cabin baggage.

Type C: the LEDES screens multiple containers with no requirement for containers to be opened (original seal remains intact). LAG containers must be removed from cabin baggage.

Type D: the LEDES screens LAG containers with no requirement for containers to be opened (original seal remains intact). LAG containers do not need to be removed from cabin baggage.

Type D+: the LEDES is additionally capable to screen LAG containers with complex electronics (e.g. laptops) present in cabin baggage. This type is not contained within the EU regulations, however it is included in these lists as it helps to determine detection capability in the presence of complex electronics.

6. Security Scanners (SSc)

The Qualified Technology section specifies devices that have undergone a formal ECAC/EU test process and are deemed qualified for screening operations. When procuring a device regulated parties shall select device from the list section 1.

Manufacturer	Device Model Number	Configuration	Standard	Type of operation	Date Qualified
L3 Technologies, Inc	ProVision ATD (SC-100)	Detection hardware 1600-20834-00 System software EU3.7.51 Detection software EU3.7.51 CONOPS 8500-10216-00	1	A	30/11/2012
L3 Technologies, Inc	ProVision ATD (SC-100)	Detection hardware 1600-20834-00 Detection software E3.11.11 CONOPS 8500-10216-00	1	A	30/11/2012
L3 Technologies, Inc	ProVision ATD (SC-100)	Detection hardware 1600-20834-00; or 1600-21031-00 System software E3.12.11 Detection software E3.12.11 CONOPS 8500-10216-00	1	A	30/11/2012
L3 Technologies, Inc	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS4.1.35 Detection software E3.40.16 CONOPS 8500-22184-00	1	A	20/02/2014

Manufacturer	Device Model Number	Configuration	Standard	Type of operation	Date Qualified
L3 Technologies, Inc	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS2.1 Detection software E4.10.19 E4.15.19 CONOPS 8500-22184-00	1	A	20/02/2014
L3 Technologies, Inc	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 Detection software E3.50.5 E3.55.4 CONOPS 8500-22184-00	1	A	04/12/2014
L3 Technologies, Inc	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E3.70.50 E4.20.50 E4.25.50 CONOPS 8500-22184-00	1	A	06/09/2016 (updated on 09/01/2020)
L3 Technologies, Inc	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS8.1.50 Detection software (random switching) E3.70.50 E4.20.50 E4.25.50 CONOPS 8500-22184-00 CONOPS 8500-22184-00	1	A	09/01/2018
L3 Technologies, Inc	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software (random switching) E3.50.5 E3.55.4 CONOPS 8500-22184-00	1	A	09/01/2018 (Configuration Change)
L3 Technologies, Inc	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E4.55.50 CONOPS 8500-22184-0	1	A	31/05/2018

Manufacturer	Device Model Number	Configuration	Standard	Type of operation	Date Qualified
L3 Technologies, Inc	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E4.55.50 CONOPS 8500-22184-00	2	A	31/05/2018
L3 Technologies, Inc	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E4.60.50 CONOPS 8500-22184-00	1	A	31/05/2018
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software (random switching) E4.55.50 CONOPS 8500-22184-00	2	A	02/10/2018 (Configuration Change)
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software (random switching) E4.60.50 CONOPS 8500-22184-00	1	A	02/10/2018 (Configuration Change)
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E4.65.50 CONOPS 8500-22184-00	1	A	11/12/2018 (updated on 09/01/2020)
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software (random switching) E4.65.50 CONOPS 8500-22184-00	1	A	11/12/2018
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software (random switching) E4.70.50 CONOPS 8500-22184-00	1	A	01/03/2019 (updated on 09/01/2020)
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50	1	A	08/07/2019 (updated on

Manufacturer	Device Model Number	Configuration	Standard	Type of operation	Date Qualified
		Detection software E4.85.50 CONOPS 8500-22184-00 Rev. A0			30/08/2019)
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E4.90.50 CONOPS 8500-22184-00 Rev. A0	2	A	08/07/2019 (updated on 30/08/2019)
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E4.95.50 CONOPS 8500-22184-00 Rev. A0	2	A	08/07/2019 (updated on 30/08/2019)
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E4.108.50 CONOPS 8500-22184-00 Rev. A0	2	A	14/01/2020
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E4.110.50 CONOPS 8500-22184-00 Rev. A0	2	A	14/01/2020
L3 Technologies, Inc.	ProVision 2 (PV2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E4.100.50 CONOPS 8500-22184-00 Rev. A0	1	A	14/01/2020
Nuctech	MW1000AA	Detection hardware 1.0 System software 2.1.3 Detection software 3.4.1.5 CONOPS 1.9	1	A	08/07/2019
Rohde & Schwarz	R&S®QPS100	Detection hardware 1.20 System software 3.0.2 / 3.0.2W Detection software 1.61 CONOPS 1.40	1	A	15/03/2018 (Configuration Change)

Manufacturer	Device Model Number	Configuration	Standard	Type of operation	Date Qualified
Rohde & Schwarz	R&S®QPS200	Detection hardware 2.10 System software 3.0.2 / 3.0.2W Detection software 2.62 CONOPS 2.10			15/03/2018 (Configuration Change)
Rohde & Schwarz	R&S®QPS201	Detection hardware 3.50 System software 3.60W Detection software 3.60 CONOPS 1178.5450.02-03.00	2	A	14/01/2020
Rohde & Schwarz	QPS WALK2000	Detection hardware 1.04 System software 30.04.2019 Detection software AA-2.0.2dev-8540 CONOPS V01	1	A	14/01/2020
Smiths Detection	eqo	System hardware 11129800 91470001 System software BI-01-09-G-000-04 BI-01-09-G-245-04 Detection software 001-116 CONOPS V1.7	1	A	07/03/2017 14/02/2020 (CCM)

Notes:

(1) Information on configuration was provided by the equipment manufacturer as part of the testing process.

(2) On the basis of the Concept of Operations (CONOPS) of the tested security scanner, provided by the manufacturer, the security scanner performance was tested for a given type of operations:

Type A: Security scanner with automatic threat detection and indication of the location of detected objects on a stick figure.

Type B: Security scanner with a human reviewer to analyse the image and to indicate the location of detected object.

7. Explosive Detection System for Cabin Baggage (EDSCB)

Qualified EDSCB Technology

The Qualified Technology section specifies devices that have undergone a formal ECAC/EU test process and are deemed qualified for screening operations. When procuring a device regulated parties shall select device from the list section 1.

Manufacturer	Device Model Number	Configuration	Standard	Date Qualified
Analogic	ConneCT	Detection Algorithm: 9.19.04 Auxiliary Hardware: Viewing station (P/N 10-79037-00) Herbert (P/N 42112482) MacDonald Humfrey (P/N 12043-SLT) Vanderlande (P/N 095527-727) CONOPS: 16-01519-rev03-2018	C3	29/11/2019
Gilardoni	FEP ME 640 AMX	Hardware: 37548400-001 Detection Algorithm: 3AUE0294-005 Auxiliary Hardware: Gilardoni Tray (P/N 55203181) CONOPS: 37640500-001	C1	23/3/2018
IDSS Holdings Inc	Detect 1000	Hardware: Detect 1000 Detection Algorithm: 326.0.0 Auxiliary Hardware: Tray: VanDerLande Bandeja Scannojet CONOPS: Mfg. No. 1000D1000v4.0	C3	15/07/2019
IDSS Holdings Inc	Detect 1000 HS	Hardware: Detect 1000 Detection Algorithm: 326.0.0 Auxiliary Hardware: OneTray Tray (P/N OT_VAS007) CONOPS: IDSS_REP-077_Detect1000_ConOps_Rev0	C3	25/03/2020

Manufacturer	Device Model Number	Configuration	Standard	Date Qualified
Leidos (Previously: L3 Technologies Implant Sciences Corporation)	ClearScan	Hardware: 1000-10001-CS Detection Algorithm: EDS_1.4.25 Auxiliary Hardware: MacDonald Humfrey tray: (P/N 12043-SLT) CONOPS: 8100-26282-OM	C3	20/12/2018
Leidos (Previously: L3 Technologies Implant Sciences Corporation)	ClearScan 1060HS	Hardware: 1000-10001-CSU Detection Algorithm: EDS-1.4.42 Auxiliary Hardware: Scarabee (P/N SSL01_XA001_NH) CONOPS: 8100-26282-OM Rev A5	C3	10/06/2020
Nuctech	Kylin	Hardware: DHV 1.0 Detection Algorithm: v3.5.9 Auxiliary Hardware: Scannojet Tray v4: P10128 revA CONOPS: v1.0	C2	24/1/2018
Nuctech	CX6040D	Detection Algorithm: Eda V1.0.0 Auxiliary Hardware: Scannojet tray v4 (Model: P10128 RevA) CONOPS: CONOPS CX6040D V1.0	C1	19/10/2018
Nuctech	Kylin Ti	Hardware: Kylin Ti DHV 1.0 Detection Algorithm: v3.6.10 Auxiliary Hardware: Scannojet Tray v4 (Model: P10128 revA) CONOPS: Kylin Ti v1.0	C3	04/03/2019
Nuctech	Kylin MV	Hardware: DHV 1.0 Detection Algorithm: v7.0.3 Auxiliary Hardware: Scannojet Tray v4 (Model: P10128 revA) CONOPS: v1.0	C2	04/03/2019

Manufacturer	Device Model Number	Configuration	Standard	Date Qualified
Nuctech	CX7555D	Hardware: CX7555D.A03N Detection Algorithm: EDA 1.0.2 Auxiliary Hardware: Tray: NUCTECH, NUC680 tray (P/N v3); Tray: Vanderlande (Scannojet), 095527-727 (P10128 revA); Tray: MacDonald Humfrey (12043-SLT). CONOPS: CONOPS_CX7555D_EDSCB_V1.0_20190716	C1	25/03/2020
Rapiscan (Re-branded: Analogic, ConneCT)	920CT	Detection Algorithm: 9.19.04 Auxiliary Hardware: Viewing station (P/N 10-79037-00) Herbert (P/N 42112482) MacDonald Humfrey (P/N 12043-SLT) Vanderlande (P/N 095527-727) Detection Algorithm: 9.19.04 CONOPS: 101014944 Rev 2	C3	29/11/2019
Rapiscan	620DV	Detection Algorithm: 4.517 Auxiliary Hardware: MacDonald Humfrey tray (P/N 101005244) CONOPS: D00370 Rev.1	C1	20/12/2018
Smiths Detection	HI-SCAN 6040aTiX	Hardware: 6040aTiX Detection Algorithm: 09-70-23 Auxiliary Hardware: Vanderlande Scannojet tray (P/N P10128 / 095527-727) CONOPS: 95596016	C2	04/03/2019
Smiths Detection	HI-SCAN 6040-2is HR	Hardware: 6040-2is HR Detection Algorithm: 09-19-19 Auxiliary Hardware: Vanderlande tray (P/N P10128 / 095527-727) CONOPS: 95596016 (2017/09/26)	C1	20/12/2018
Smiths Detection	HI-SCAN	Hardware: 7555aTiX	C2	6/6/2017

Manufacturer	Device Model Number	Configuration	Standard	Date Qualified
	7555aTiX	Detection Algorithm: 09-16-26 Auxiliary Hardware: Schoeller Allibert tray 2A021 (P/N 11112352) CONOPS: 95595885 (2016/09/26)		
Smiths Detection (Previously: Morpho Detection)	XDi	Hardware: XDi Detection Algorithm: XDi-CBS-C-v1.0 Auxiliary Hardware: MacDonald Humfrey Tray (P/N 34460689) CONOPS: 2.13	C1	6/6/2017 *26/10/2018
Smiths Detection	HI-SCAN 6040 CTiX	Hardware: 6040 CTiX Detection Algorithm: 20-30-00 Auxiliary Hardware: Smiths Detection tray 2 (P/N 34482148) Vanderlande (P10128 / 095527-727) CONOPS: 95596016	C2 and C3	05/09/2019

Section 2 (Grandfathered Technology)

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