Maldives Aviation Security Screening Technology List (MASSTL)

Directorate of Aviation Security Administration

Ministry of Defence and National Service

Version 2.3

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Revision History

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1.0	20/10/2020
1.1	31/03/2021
2.0	11/12/2022
2.1	22/10/2023
2.2	18/01/2024
2.3	28/07/2026

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 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 only by European Civil Aviation Conference (ECAC) European Union (EU) and Transportation Security Administration (TSA).

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

The document is divided into 7 technology sections. The 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 technology section.

1.2 Disclaimer

The technology section reflects devices which have successfully passed stage I (one) of the qualification testing process done by ECAC, EU and TSA.
DASA reserves the right to remove devices from the technology 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 technology list

DASA is responsible for updating the MASSTL list whenever needed. Each update will be published accordingly.

1.4 Screening technology approval process

1- All regulated parties are required to submit the detailed technical specification of the device in writing to DASA and shall obtain approval before the procurement process.

2- Upon submitting the device for approval, DASA shall evaluate the device as per the NCASP screening technology approval process.

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.

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1.7 Manufacturer Contact Information

Company	Address	Point of Contact	Phone Number	E-mail
1st Detect Corporation	2105 Donley Drive, Suite 100 Austin, TX 78758	Eric Wallis	512-485-9537	ewallis@astrotechcorp.com
Armstrong Monitoring	215 Colonnade Road South Ottawa, ON K2E 7K3 Canada	Scott Bissett	800-465-5777	S Bissett@armstrongmonitoring.com
Astrophysics, Inc.	21481 Ferrero Parkway City of Industry, CA 91789	Yaron Yezersky	909-598-5488	yyezersky@astrophysicsinc.com
Bruker Detection Corporation	40 Manning Road Billerica, MA 01821	Anthony Castellanos	978-729-2982	Anthony.Castellanos@BrukerDetection.US
Bruker Detection Corporation	40 Manning Road Billerica, MA 01821	Mirela Popa	980-392-9492	Mirela.Popa@BrukerDetection.US
CEIA USA	9155 Dutton Drive Twinsburg Ohio 44087	Luca Cacioli	330-217-7995	LCacioli@ceia-usa.com
Gilardoni S.p.A.	Via Arturo Gilardoni 1 Mandello del Lario 23826 (LC), Italy	Luca Ghislanzoni	0039-0341-705218	l g@gilardoni.it
InstroTek, Inc.	1 Triangle Drive, PO 13944 Research Triangle Park, NC 27709	Ali Regimand	919-875-8371	ARegimand@instrotek.com
Leidos	One Radcliff Road Tewksbury, MA 01876	Lorie Halitzka	424-344-1552	Lorie.a.halitzka@leidos.com
Rapiscan Systems	2900 Crystal Drive, Suite 910 Arlington, VA 22202	Iven King	540-300-0412	King@osi-systems.com
Smiths Detection, Inc.	2202 Lakeside Blvd Edgewood, MD 21040	Philip Tackett	410-652-3392	Philip.Tackett@Smiths-Detection.com
VMI Security	Av. Hum, 55- Distrito Industrial Genesco Aparecido De Oliveira, Lagoa Santa – MG 33400-000, Brazil	Lazaro Borges Silva	+55 31 3622-0470	Lazaro.silva@vmis.com.br
X-Ray Center (XRC)	Beylikduzu OSB Mahallesi, 10 Cadde, NO: 14 Beylikduzu Istanbul, 34524 Turkey	Kami Havluciyan	+90-212-665-1328	kami@x-raycenter.com

1.8 Updates in This Version

page	Section	change
11	2.1 Qualified VI Technology	Removed Astrophysics, Inc XIS-6545DVS due to Qualification.
12	2.1 Qualified VI Technology	Removed software version for Leidos, PX 18.18 MV 320kV and 0125-10734-00 due to Qualification.
12-13	2.1 Qualified VI Technology	Addition of software version for Smiths HS 100100T-2is and HS 100100V-2is per CN103542_A1. Addition of Smiths HS 7555DV.
13	2.1 Qualified VI Technology	Addition of Smiths HS 145180-2is Pro.
14	2.1 Qualified VI Technology	Addition of X-Ray Center (XRC) XRC 100-100DV.
28-	3.1 Qualified ETD Technology	Addition of Bruker DE-Tector Flex and software per CR 013.

Section 2 Visual Image Devices (Cargo Technology List)

Technology Description: Fixed projection X-ray inspection devices that display digitized radiographic transmission 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 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.

Visual Image Device 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) 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 at 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.

2.1 Qualified Visual Image Technology (X -ray Technology for Cargo)

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.

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, 00-131XDV-21,	Y	Dual View	B	180 kV		08/09/2012
Astrophysics, Inc	**XIS-1517DV 200kV**	00-22-15DV-20 00-04-15DV-31	Y	Dual View	C	200 kV		08/09/2012
Astrophysics, Inc	**XIS-1818DV 200kV**	00-22-18DV-20 00-04-18DV-31	Y	Dual View	C	200 kV		08/09/2012
Astrophysics, Inc	**XIS-1818DV 320kV**	00-00-18DV-23 00-05-18DV-31	Y	Dual View	C	320KV		12/12/2012
Astrophysics, Inc.	**XIS-6545DV**	00-13-6545DV-21 00-03-65DV-31	Y	Dual View	A	165 kV		10/23/2009
Astrophysics, Inc	**XIS-6545DVS**	00-30-6DVS-10 00-03-6DVS-31	Y	Dual View	A	180KV		11/21/2016
Astrophysics, Inc	**XIS-7858DVS**	00-30-6DVS-10 00-73-7DVS-11	Y	Dual View	A	180 kV		11/21/2016
Astrophysics, Inc	**XIS-100XDX**	00-22-1XDX-11 00-22-10DX-11 00-03-1XDX-31	Y	Dual View	A	180 kV		08/09/2012
Gilardoni S.p.A	**ARGO 640 DV**	05141206 Y Dual	Y	Dual View	A	160 kV		12/05/2024
Gilardoni S.p.A	**FEP ME CARGO DV**	05141105	Y	Dual View	C	300KV		11/05/2021
Gilardoni, 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
Gilardoni S.p.A	**FEP ME 640 AMX**	05141182 05141122	Y	Dual View	A	160 kV		01/12/2021
Gilardoni S.p.A	**EP ME 1000 HC DV**	05141103	Y	Dual View	B	160 kV		01/12/2021
Leidos	**ACX 6.4 MV**	1000-MV3AC-00	Y	Multi View	A	153 kV		10/23/2009
Leidos	**CX 6000 P DV**	002	N	Dual View	C	6MeV		05/14/2010
Leidos	**MVT-HR**	1000-10001-HR 1000-10002-HR	Y	Multi View	B	160 kV		02/03/2010
Leidos	**PX 10.10 MV**	1000-P1010-2V	Y	Dual View	B	160 kV		08/09/2012
		1000-P1010-AC						
Leidos	**PX 15.17 MV 200kV**	0125-10732-00	Y	Dual View	C	200 kV		08/09/2012
Leidos	**PX 18.18 MV 320kV**	0125-10734-00 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 System	**632DV**	2010007 2010008	Y	Dual View	C	200 kV		10/23/2009
Rapiscan Systems	**638DV**	2010009	Y	Dual View	C	200KV		10/23/2009

Manufacturer	Device Model Number	Required Top Assembly Part Number	Material Discrimination	# of Views	Capacity	Max Voltage	Standard	Date Qualified
		2010010	Y	Dual View	C	320 kV		06/23/2016
Rapiscan Systems	**920DX**	2010011	Y	Dual View	A	180kV		01/22/2020
		2010012						
Rapiscan Systems	**927DX**	2010026	Y	Dual View	B	180kV		01/22/2020
		2010027						
Rapiscan Systems	**928DX**	2010028	Y	Dual View	B	180KV		01/22/2020
		2010029						
Rapiscan Systems	935DX	2010025	Y	Dual View	C	300 kV / 200 kV (2)		11/3/2022
Rapiscan Systems	**MVXR 5000**	2010659-6	Y	Multi View	B	180KV		02/03/2010
Rapiscan Systems (3)	**VOTI XR3D-6D**	500002-001	Y	Dual View	A	160 KV		10/24/2019
Rapiscan Systems (3)	**VOTI XR3D-7D**	500003-002	Y	Dual View	A	160 KV		10/24/2019
Rapiscan Systems (3)	**VOTI XR3D-15D**	534307-109, Rev D and 535307-107, Rev F	Y	Dual View	C	200 kV		10/13/2021
Rapiscan Systems (3)	**VOTI XR3D100D**	500068-001	Y	Dual View	B	160 KV		12/20/2019
Smiths Detection, Inc	**6040-2is**	HS 6040-2is	Y	Dual View	A	180 kV		08/27/2015
Smiths Detection, Inc.	**6040aTiX**	HS 6040aTiX	Y	Dual View	A	176 kV		10/23/2009
Smiths Detection, Inc	**6040aX**	HS 6040aX	Y	Dual View	A	176 kV		08/09/2012
Smiths Detection, Inc	**6040DV**	34500285	Y	Dual View	A	176kV		05/29/2025
Smiths Detection, Inc.	**7555aTiX**	HS 7555aTiX	Y	Dual View	A	176 kV		05/14/2010
Smiths Detection, Inc.	**7555aX**	HS 7555aX	Y	Dual View	A	176KV		08/09/2012
Smiths Detection, Inc.	**7555DV**	345047360	Y	Dual View	A	176 kV		09/19/2025

Manufacturer	Device Model Number	Required Top Assembly Part Number	Material Discrimination	# of Views	Capacity	Max Voltage	Standard	Date Qualified
Smiths Detection, Inc.	**10080 EdtS**	HS 10080 EdtS	Y	Multi View	B	176 kV		10/23/2009
Smiths Detection, Inc.	**10080 EDX-2is**	HS 10080 EDX-2is (1132486)	Y	Dual View	B	176 kV		10/23/2009
Smiths Detection, Inc.	**100100T-2is**	HS 100100T-2is	Y	Dual View	B	176 kV		10/23/2009
Smiths Detection, Inc.	**100100V-2is**	HS 100100V-2is	Y	Dual View	B	176 kV		08/09/2012
Smiths Detection, Inc.	**130130T-2is**	HS 130130T-2is	Y	Dual View	B	176 kV		10/23/2009
Smiths Detection, Inc.	**145180-2is**	HS 145180-2is	Y	Dual View	C	176 kV		4/25/2013
Smiths Detection, Inc.	**180180-2is**	HS 180180-300kV-2is	N	Dual View	C	320 kV		10/23/2009
Smiths Detection, Inc.	**180180-2is pro**	HS 180180-2is Pro	Y	Dual View	C	320 kV		10/18/2016
Smiths Detection, Inc.	**HS 145180-2is Pro**	11132774	Y	Dual View	C	320KV		02/4/2021
Smiths Detection, Inc. (1)	**HRX 1000 DV**	P0007033-011	Y	Dual View	B	180 kV		05/14/2010
Smiths Detection, Inc.	**HS 145180-2is Pro**	11132774 903400029	Y	Dual View	C	200 kV		02/04/2021
Smiths Detection, Inc.	**SDX 100100 DV LC (0.2 m/s)**	91540002 91550002	Y	Dual View	B	160 kV		01/07/2026
VMI Security	**Spectrum 180180DV (320kV)**	27.04.00389	Y	Dual View	C	320kV		09/10/2024
VMI Security	**Spectrum 6040DV**	27.04.00342	Y	Dual View	A	170kV		09/10/2024
VMI Security	**Spectrum 100100HDV**	27.04.00377	Y	Dual View	B	170kV		09/10/2024
X-Ray Center (XRC	**XRC 60-40DV**	XRC 60-40DV	Y	Dual View	A	170KV		04/11/2018
X-Ray Center (XRC	**XRC 75-55DV**	XRC 75-55DV	Y	Dual View	A	170KV		02/09/2021
X-Ray Center (XRC	**XRC 100-100DV**	XRC 100-100DV	Y	Dual View	B	180KV		05/23/2018
X-Ray Center (XRC)	**XRC 100-100 HCDV**	XRC 100-100 HCDV	Y	Dual View	B	180kV		06/04/2024

Manufacturer	Device Model Number	Required Top Assembly Part Number	Material Discrimination	# of Views	Capacity	Max Voltage	Standard	Date Qualified
X-Ray Center (XRC	**XRC 180-180DV (200kV)**	XRC 180-180DV	Y	Dual View	C	200KV		12/07/2021
X-Ray Center (XRC	**XRC 180-180DV (320kV)**	XRC 180-180DV (320kV)	Y	Dual View	C	320 kV		09/17/2019

Notes:

(1) Morpho Detection, Inc. was acquired by Smiths Detection, Inc. Either company's data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the Qualified section.

(2) Rapiscan 935DX Operating Voltage and Max Voltage reflect vertical / horizontal voltage.

(3) VOTI Detection, Inc. was acquired by Rapiscan Systems. Either company's data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the Qualified section.

(4) L3 Security & Detection Systems was acquired by Leidos, either company's data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the Qualified section.

2.2 Metal Detection for cargo operations

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)	Newspapers, 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 Flowers (FF)	Various Tubers and Bulbs, Annual and Perennial Flowers, Cut Flowers
8	Fish and Meats (FM)	Shrimp, Fish, Beef, Poultry.

Notes:

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.

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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.

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	I	A	03/13/2013
CEIA USA (2)	EMIS 8075	EMIS8075 EMIS_8075_001 EMIS_8075_002	YES	YES	YES	YES	YES	I	B	03/13/2013
CEIA USA (2)	EMIS 110160	EMIS_110160_001	YES	YES	YES	YES	YES	I	B	03/13/2013
CEIA USA (2)	EMIS 130160	EMIS_130160_001	NO	NO	YES	YES	YES	I	C	03/13/2013
CEIA USA (2)	EMIS 130200	EMIS_130200_002	YES	YES	YES	YES	YES	I	C	05/10/2018

Notes:

(1) “YES” indicates the commodity classes for which each EMD device passed Stage I testing. “NO” indicates the commodity classes for which each EMD device did not pass Stage I testing. (2) CEIA models must contain all three software components listed.

2.3 Explosive Detection Technology (Explosive Detection Systems (EDS))

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

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Leidos	**MVT HR**	1000-10001-HR	6.5.2Eg n200	5.3.11	No Tray	2	17/04/2012
Leidos	**eXaminer XLB**	10-70500-01	06.17 06.27	04	Tray: Crisplant - CrisBag® V5 SBT, Art. N°: 7308972	3	24/02/2015
Leidos	**eXaminer SX**	10-64987-01	5.11, 5.14	01.01, 06	No Tray	3	03/08/2013
Leidos	**eXaminer 3DX-ES**	1000-11700-00	112.3	8.2	No Tray	3	19/11/2013
Leidos	**eXaminer 3DX**	Part no: 200001, eXaminer 3DX	112.3, 112.5	7.1, 10.1	No Tray	3	12/07/2013
Leidos	**MV3D**	1000-10001-D1 1000-10001-D2	7.6.2 L200, 8.0.3 S200, 8.4.6 L200, 8.5.2 L200, 8.5.4 L200, 8.9.4 N200, 8.9.6 L200, 9.1.2 L200, 9.1.2 L200, 9.0.4 S200, 9.0.5 S100, 9.7.5 L100, 10.1.2 H100	1.0	No Tray	3 &3.1	15/02/2021

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Nuctech	**XT2080**	XT2080	DPC 1.1 EDS 1.1	-	No Tray	3	04/09/2012
Nuctech	**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	12/10/2017
Nuctech	**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	CONOPS: V1.2	No Tray	3	12/10/2017
Nuctech	**XT2100-R**	XT2100 DHV 1.0	Beumer CrisBag V5 SBT Art No. 7308972 Vanderlande tote No. 011505-393-00001	CONOPS : V1.2	Beumer CrisBag V5 SBT Art No. 7308972 Vanderlande tote No. 011505-393-00001	3	30/09/2022
Nuctech	**XT2100HS**	XT2100HS, XT2100HS DHV 1.0,XT2100HS DHV 1.1,	OIS V2.0.008 Algorithm V3.1.24, Algorithm V3.1.27,	CONOPS : V1.0, XT2100, HS v4.0, XT2100 HS_CONOPS_v3.5_20181128,	No tray Vanderlande 001036-241-00002	2	25/10/2016

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Nuctech	**XT2100HS**	XT2100HS DHV 1.0 XT2100HS DHV 1.1, DHV 1.1,	OIS V2.0.008 Algorithm V3.1.26, V3.1.27, V3.1.32,	CONOPS: XT2100 v4.0, XT2100Ti _CONOPS_v1.0_20181128	No Tray AENA.MAD-01 Beumer CrisBag V5 SBT Art No. 7308972 Vanderlande tote No. 011505-393-00001,	3	30/09/2022
Nuctech	**XT2100HS**	XT2100HS DHV 1.0 XT2100HS DHV 1.1	Algorithm V3.1.27	XT2100HS CONOPS v4.0	Vanderlande Assy Carrier No. 001036-24100002	2	30/09/202
Nuctech	**XT2100HS**	XT2100HS DHV 1.0 XT2100HS DHV 1.1, DHV 1.1	V3.1.40, V3.1.51,	V2.0 (30-11-2020), XT2100HS CONOPS v4.0	No tray Beumer CrisBag V3 SB art.no.419B629.XXX Vanderlande (P/N 011505-706-00001)	3.1	30/09/2022
Nuctech	**XT2100Ti**	XT2100Ti DHV 1.0	Algorithm V3.1.35	CONOPS: XT2100 v4.0, XT2100Ti _CONOPS_v1.0_20181128	No tray Vanderlande 001036-241-00002	2	30/03/2022
Nuctech	**XT2100L**	XT2100L DHV 1.0	V3.1.58	XT2100L v1.0	No tray	3.1	11/04/2023
Nuctech	**WooKong H**	WooKong H DHV 2.1	V3.1.62	No tray	V2.0 (30-11-2020)	3.1	03/07/2021

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
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	1.0.24, 1.0.22, 1.0.47, EDS v1.0.50, EDS 1.0.64, 1.0.67, EDS 1.0.67	8.13, 8.14, EDS 1.0.67	No Tray, Bigbear Tray (ref: BBF11012), Daifuku Logan BTSP0007001A BigBear BBF11012, Tray: Beumer Crisbag V5 SBT No. 7308972 Tray: Vanderlande OBT Tote No. 001036-27800001, HKIA Utility tray Rapiscan P/N 101038931 Utz Bekon tray 3-122.7000.xxxx TTP 238/959 tray Rapiscan P/N 101038932 Daifuku Logan tray BTSP0007001A Big Bear tray BBF11012, tray P/N 101049996	3 & 3.0	09/06/2023
Rapiscan	RTT110	RTT110	EDS v1.0.50	8.14	No Tray	3.1	17/02/2020
Reveal Imaging Technologies	CT80DR	CT80DR	5.3.0.123	4.2.14	No Tray	3	07/07/2010

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Reveal Imaging Technologies	CT-120	CT-120	5.20.3.3 5.20.3.5, 5.20.3.11, 5.20.3.12 5.20.3.13	P/N 81080 Revision3 Draft	No Tray	3	10/02/2016
Smiths Detection	HI-SCAN 10080 EDtS	HS 10080 EDtS	02-51-09, 07-32-09		No Tray	2	23/11/2013
Smiths Detection	HI-SCAN 10080 EDX-2is	HS 10080 EDX-2is	08-01-09, 05-80-09		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	RR-07-05, 07-20-09, 08-27-16, 08-28-19, 09-21-09,	CT only detection and LS " mode or "CT only detection" mode.	No Tray, Tray: Crisplant Material n°: CrisBag® V5 SBT 507B595.XXX, Art. n°: 7308972 Tray: Crisplant Material n°: CrisBag® V5 LBT 507B596.XXX, Art. n°: 7308974 Tray: Vanderlande Material n°: 011505-39300001 Tray: Vanderlande Material n°: 011505-89000001 Tray: FRAPORT Material n°: M020745, Trays: Crisplant CrisBag NG Tray V3 part n°: 400B767 and 419B629, Tray: BigBear BBF11012,	3	18/06/2021

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Smiths Detection	HI-SCAN 10080 XCT	HS 10080 XCT	10-32-00		Tray: Vanderlande Ref: 001036-103-00001 Tray: AENA.MAD-001	3.1	11/04/2023
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 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, CTX 5800 with Checkerboard	Inspection: 5800 ECAC SB CB 2.17.7 Reconstruction: 3.1.2, 5800 CB 4.0.1, 5800 CB 4.0.1 SC, 9.1.1; Recon Post: 9.1.1		No Tray	3	25/10/2016
Smiths Detection	CTX 9800 DSi	CTX 9800 DSi Comet x-ray tube (0.5 m/s configuration)	Inspection: ECAC HS EDM 3.1.4 Reconstruction: 9.2.0 Recon Post: 9.3.3, LibRecon 9800 HS CB DMA 8.0.0 and DMA 8.0.2 Recon Post: Postproc SC 8.0.0, 9800 CB HS 4.0.1 SC	VANDERLANDE tray (Ref: 001036-241-00002)	No Tray, Tray: Vanderlande long 011531-727-00001 Tray: Beumer / Crisplant 7308972,	3	31/01/2019

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
Smiths Detection	CTX9400 DSI	CTX 9400	Inspection: GInsp_2.3.0 ECACa Reconstruction: Recon_2.0.2		No Tray	3	25/04/2011
Smiths Detection	SDX 10080 SCT	SDX 10080 SCT SDX 10080 SCT LS	60-10-00		On belt	3.1	24/04/2026
SureScan	x1000 (0.5 m/s)	x1000 – HiSpeed (Stationary Gantry)	4.0.0, 5.5.0.0, 5.5.0.1	x1000B-i1310-A01 - x1000 Scanner Operations Manual, x1000B-i1310-B00 - x1000 Scanner Operations Manual, x1000B-i1310-C01	No Tray, Tray: Vanderlande No. 001036-103-00001	3	14/05/2021
SureScan	x1000 (0.5 m/s configuration)	x1000 – HiSpeed.5 (Stationary Gantry) (200000009900 B ASSY, TOP LEVEL)	4.6.0	x1000B-i1310-A01 - x1000 Scanner Operations Manual, x1000B-i1310-B00 - x1000 Scanner	No Tray	3.1	14/05/2021

Manufacturer	Device Model Number	Hardware	Detection Algorithm	Auxiliary Software	Auxiliary Hardware	Standard	Date Qualified
				Operations Manual			
Analogic	SeleCT	10-79611-02	12.02.30	CONOPS: 16-120373	On belt	3.1	15/07/2025
Analogic	SeleCT	10-79611-02	12.02.34	CONOPS: 16-120373	BigBear P/N BBF11012 Beumer CrisBag OBTL. Article No. 10468579 Beumer CrisBag 5 SBT Article No. 7308972	3.1	05/02/2026

Notes:

(1) Information on configuration is provided by the equipment manufacturer as part of the testing process. Any full tests started prior to 1 January 2016 did not test the configuration for shielding capacity (DTAT) and therefore Appropriate Authorities are responsible for this part of the Regulation (except for Standard 3.1). The term ‘tray’ can include totes, tubs, bins etc.

(2) Please note that any configurations meeting the Standard 3.1 for EDS are automatically considered as having achieved EDS Standard

2.4 Explosive Trace Detection

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.

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
1st Detect Passengers and Cargo	**TRACER 1000**	00-10001-01 00-10001-03 00-10001-04	5.2.25	7.17.0.185 - 11.0 CONOPS: 36, 3/20/2023	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	05/02/2026
1st Detect Passengers	**TRACER 1000**	00-10001-01 00-10001-03 00-10001-04	5.2.31	7.17.0.185 - 11.0. CONOPS: 36, 3/20/2023	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	05/02/2026
1st Detect Passengers & Cargo	**TRACER 1000**	00-10001-04	5.3.25	11.0 36, 3/20/2023	Swab: P/N 88-10002-05 – Swab: P/N 88-10002-06	Yes (Hand swabbing)	No	05/02/2026

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Bruker Optics Passengers and Cargo	**DE-tector**	1824953	Library B_EXEU_EXPL16 (P/N 1836522))	CONOPS: 2014-06-17/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	20/12/2018
Bruker Optics Passengers	**DE-tector**	1824953	Library B_EXEU_EXPL15 (P/N 1836524) (P/N 1836519)	CONOPS :2014-06-17/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 2014-06-17/Rev. 1.00 (P/N 1829977) 2016-02-01/Rev. 1.01 (P/N 1829977)	Yes (Hand and wand swabbing)	No	20/12/2018

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Bruker Optics Passengers	**DE-tector**	1824953	Library B_EXEU_EXPL22	CONOPS: 2014-06-17/Rev. 1.00 (P/N 1829977) - 2016-02-01/Rev. 1.01 (P/N 1829977)	Sampling wand: 8702515 - Swab: Sample Collector (P/N 8702660) - Swab: Sample Collector (P/N 8702660E)	Yes (Hand swabbing)	No	28/09/2023
Bruker Optics Passengers	**DE-tector**	1824953	Library B_EXEU_EXPL19	2014-06-17/Rev. 1.00 (P/N 1829977) - 2016-02-01/Rev. 1.01 (P/N 1829977)	Swab: Sample Collector (P/N 8702660) - Swab: Sample Collector (P/N 8702660E)	Yes (Hand swabbing)	No	28/09/2023
Bruker Optics Passengers & Cargo	**DE-tector flex**	1880000	B_EXFL_EXPL11	CONOPS: 2019-08-27/Rev. 1.03, P/N 1859473	Swab: sample collector (P/N 8702660-E)	Yes (Hand swabbing)	No	19/02/2020
Bruker Optics Passengers	**DE-tector flex**	1880000	Library B_EXFL_EXPL11	CONOPS: 2018-09-28 / Rev. 1.02 (P/N 1859473)	Swab: Sample Collector (P/N 8702660-E)	Yes (Hand swabbing)	No	19/02/2020

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Bruker Optics Passengers and Cargo	**DE-tector flex**	1880000	B_EXFL_EXPL11	CONOP:2019-08-27/Rev. 1.03, P/N 1859473	Swab: sample collector (P/N 8702660-E) Wand: P/N 8702515	Yes (Wand swabbing)	No	19/02/2020
Bruker Optics Passengers and Cargo	**DE-tector flex**	1880000	Library B_EXFL_EXPL11_C08	CONOPS: Version 2026-01-30 /Rev. 1.05 (P/N 1859473)	Swab: Sample Collector P/N8702660-E - Sampling Wand: P/N 8702515	Yes (Hand and Wand swabbing)	No	06/03/2026
Bruker Optics	**DE-tector flex**	1880000T-TSA				Yes (No Wand)		08/28/2025
Bruker Optics Passengers	**RoadRunner**	1860000	B_RR00_EXPL14	CONOPS: 2016-02-16/Rev. 1.00 (P/N 1842342)	Swab: Sample Collector M (P/N 1842394)	Yes (Hand swabbing)	No	20/09/2016
Bruker Optics Passengers & Cargo	**RoadRunner**	1860001	B_RR00_EXPL15	2020-10-14 / Rev. 1.01 P/N 1870101	Swab: Sample Collector M (P/N 1842394) Test Marker RR (P/N 1867612) Sampling Wand (P/N 8702515)	Yes (Hand & wand swabbing)	No	29/04/2021

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Leidos Passengers and Cargo	**QS-B220**	- 10011377 (System Software 1.1.8)	23176 (P/N 42300086)	CONOPS:42400030 (Quick Start Guide) 42400028 (User Manual)	Swab: Sample traps (P/N 42200191) Sampling wand - 10011279	Yes (Hand and wand swabbing)	No	22/08/2024
Leidos Passengers	**QS-B220**	10011377	23448 (P/N 42300099)	CONOPS: 42400030 (Quick Start Guide) 42400028 (User Manual)	Swab: Sample traps (P/N 42200191) Sampling wand - 10011279	Yes (Hand and wand swabbing)	No	22/08/2024
Leidos Passengers and Cargo	**QS-B220**	10011377	23444 (P/N 42300097)	CONOPS: 42400030 (Quick Start Guide) - 42400028 (User Manual)	Sampling wand – 10011279 - Swab: Sample traps (P/N 42200191)	Yes (Hand and wand swabbing)	No	22/08/2024

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Leidos Passengers	**QS-B220**	10011377	23445 (P/N 42300098)	CONOPS: 42400030 (Quick Start Guide) - 42400028 (User Manual)	Sampling wand – 10011279 - Swab: Sample traps (P/N 42200191)	Yes (Hand and wand swabbing)	No	22/08/2024
Leidos Passengers and Cargo	**QS-B220**	10011377	23444 (P/N 42300097)	CONOPS: 42400030 (Quick Start Guide) - 42400028 (User Manual)	Sampling wand – 10011279 - Swab: Sample traps (P/N 42200191)	Yes (Hand and wand swabbing)	No	22/08/2024
Leidos Passengers	**QS-B220**	10011334	23445 (P/N 42300098)	CONOPS: 42400030 (Quick Start Guide) - 42400028 (User Manual)	Sampling wand – 10011279 - Swab: Sample traps (P/N 42200191)	Yes (Hand and wand swabbing)	No	22/08/2024

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Leidos Passengers and Cargo	**QS-B220HT**	10011465	25088 (P/N 42300098)	CONOPS: 42400049 (Quick Start Guide) - 42400048 (User Manual)	Sampling wand – 10011279 - Sampling wand: P/N 10011451 - Swab: Sample traps (P/N 42200191)	Yes (Hand and wand swabbing)	No	28/09/2023
Leidos Passengers and Cargo	**QS-B220HT**	10011465	25106 - 25107	CONOPS: 1.4.8. Quick Start Guide:42400049 User Manual: 42400048	Sampling Swab: P/N 42200191 - Sampling Wand: P/N 10011279 - Sampling Wand: P/N 10011451	Yes (Hand and wand swabbing)	No	13/11/2025
Leidos Passengers and Cargo	**QS-B220HT**	10011465 42400049 (Quick Start Guide) 42400048 (User Manual)	25088 (P/N 42300098)	1.4 P/N 42300085	Swab: Sample traps P/N 42200191 Sampling wand P/N 10011451; Sampling wand: P/N 10011279	Yes (Hand and wand swabbing)	No	03/06/2020

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Rapiscan Passengers	**ITEMISER 4DX**	P0007018-015-CEP	Detection Configuration/ Algorithm C10.06.11-CEP	MA100091 rev0A; MA100091 Rev 0C	Swab: M0002057 Hand Wand: M0001240	Yes (Hand and wand swabbing)	No	10/04/2020
Rapiscan Passengers and Cargo	**ITEMISER 4DX**	e P0007018-015-CEP	Detection Configuration/ Algorithm C10.06.14-CEP	CONOPS: MA100026-01 / MA100026-02	Swab: M0002057 Hand Wand: M0001240	Yes (Hand swabbing)	No	10/04/2020
Rapiscan Passengers and Cargo	**ITEMISER 4DX**	P0007018-015-CEP	C10.06.23-CEP	CONOPS: MA100091 rev0A; -MA100091 Rev 0C	Swab: M0002057	Yes (Hand swabbing)	No	20/09/2016
Rapiscan Passengers and Cargo	**ITEMISER DX**	P00007018-014-CEP	8.89e13CEP, 8.89e16CEP 8.89e14CEP 8.89e18CEP	MA100034-01 / MA100034-02	Swab: S/N M0001964-100 Wand S/N M1000541	Yes (Hand swabbing)	Yes	12/07/2021
Rapiscan Passengers & Cargo	**ITEMISER 5X**	P0007018-018-CEP	5X-3.0.9-CEP	D05259 Revision A	Wand: S/N M1000541 - Swab: S/N M0001964-100	Yes (Wand swabbing)	No	28/09/2023
Rapiscan	**Itemiser 5X (IT5X)**	P0007018-018-CAR				Yes (No Wand)	No	08/15/2023

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Rapiscan Passengers & Cargo	**ITEMISER 5X**	P0007018-018-CEP	5X-3.1.3-CEP	CONOPS: D05259	Swab: M0001964-100			22/08/2024
Rapiscan Passengers & Cargo	**ITEMISER 5X**	P0007018-018-CEP	5X-3.1.4-CEP	CONOPS: D05259	Wand: M1000541 - Swab: M0001964-100	Yes (Hand and wand swabbing)	No	24/02/2025
Rapiscan Passengers & Cargo	**ITEMISER 5X**	P0007018-018-CEP	5X-3.1.5-CEP	CONOPS: D05259	Wand: M1000541 - Swab: M0001964-100	Yes (Hand and wand swabbing)	No	24/02/2025
Rapiscan Passengers & Cargo	**ITEMISER 5X**	P0007018-015-CEP	4DX-30-CEP	CONOPS: MA100026-02	Sampling Swab: P/N M0002057 Sampling Wand: P/N M0001240	Yes (Hand and wand swabbing)	No	05/02/2026
Rapiscan Passengers & Cargo	**ITEMISER 5X**	P0007018-018-CEP	5X-3.1.6-CEP	CONOPS: D07165	Swab: P/N M0001964-100 Sampling Wand: P/N M1000541	Yes (Hand and wand swabbing)	No	13/11/2025

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Nuctech Passengers and Cargo	**TR2000DB-A**	NIL2.0	D17.3.16.66 (Library E11.B02.1712) (Library E11.B05.1712) (Library E11.B06.1712)	7.10	Swab: -04A Portable swab baker: BZOA0403000 -I-02	Yes (Hand swabbing)	Yes	03/10/2018
Nuctech Passengers	**TR2000DB-A**	C 1.00	D17.3.16.66 (Library E11.B01.1707)	v17.06	Swab: BZOA0403000 -I-02 Portable swab baker: BZOA0800000 -02	Yes (Hand swabbing)	Yes	11/01/2018
Nuctech (Passengers and Cargo)	**TR2000DC**	Detector CIL4.0 Firmware C1.2.0	D18.9.26 (Library E11.C01.2110)	V21.07	Thumbprint Wand - Swab type -04A, or type -05A. - Optional Swab Baker Type-02E	Yes (Hand swabbing)	No	28/09/2023
Nuctech (Passengers and Cargo)	**TR2000DC**	Detector CIL4.0 Firmware C1.2.0	D18.9.26: - Library E11.C01.1903 - Library E11.C01.1910 - Library E11.C07.1910	CONOPS: 19.03 - 20.02	Swab type - 04A, or type - 05A. - Optional Swab Baker Type-02E	Yes (Hand swabbing)	No	28/09/2023

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Nuctech (Passengers and Cargo)	**TR2000DC**	Detector CIL4.1, Firmware D2.0.0	D18.9.26 (Library E11.C01.2308)	CONOPS: V23.02	Swab type - 04A, or type - 05A. - Optional Swab Baker Type-02E	Yes (Hand swabbing)	No	22/08/2024
Nuctech (Passengers and Cargo)	**TR2000DC**	Detector CIL4.1, Firmware D2.0.0	D18.9.26 (Explosive library E11.C01.2308, Chemical library G01.E01.2501	CONOPS: V23.02	Swab-04A Wand: Thumbprint Wand Swab Baker-02E	Yes (Hand and wand swabbing)	No	13/11/2025
Nuctech (Passengers and Cargo)	**TR2000DC**	Detector CIL4.0, Firmware C1.2.0	D18.9.26 (Explosive library E11.C04.2206, Chemical library G01.C01.2501)	CONOPS: V21.07	Swab-04A Wand: Thumbprint Wand Swab Baker-02E	Yes (Hand and wand swabbing)	No	13/11/2025
Smiths Detection (Passengers and Cargo)	**IONSCAN 500DT**	AE Rev L	4816800	6824395 (operator manual)	Swab: Part Number 6822254-A Wand: P/N 6820512*	Yes (Hand and wand swabbing)	Yes	13/02/2019
Smiths Detection (Passengers and Cargo)	**IONSCAN 600**	4824000E-101 4824000E-101P	ECAC E (24758-4) ECAC E (24758A-4)	6824005 (Operator Manual) 6824007 (Quick Start Guide)	Swab: P/N 1824019-A Wand: P/N 26616-1	Yes (Hand and wand swabbing)	No	12/05/2022

Manufacturer	Device Model Number	System hardware	Detection Algorithm	System Software	Auxilary Hardware	Standard Achieved	Radioactive Source	Date Qualified
Smiths Detection (Passengers and Cargo)	**IONSCAN 600**	4824000E-101 - 4824000E-101P	ECAC E (24758-4)	6824005-EN-F IONSCAN 600 Operators Manual 20200519	Swab: P/N 24757-1 - Wand: P/N 26616-1	Yes (Hand and wand swabbing)	No	22/08/2024
Smiths Detection (Passengers and Cargo)	**IONSCAN 600**	-4824000E-101 - 4824000E-101P	24758-5 24758A-5	Operator Manual: 6824005 Quick Start Guide: 6824007	Swab: P/N 1824019-A (multipack P/N 24757-1) Wand:-P/N 26616-1 -P/N 3824750-1 -P/N 3824750-2	Yes (Hand and wand swabbing)	No	05/02/2026
Smiths Detection (Cargo)	**IONSCAN 600**	-4824000E-101 - 4824000E-101P	24758-6	Operator Manual: 6824005 Quick Start Guide: 6824007	Swab:P/N 40393-1 (multipack P/N 40391-1)	Yes (Hand and wand swabbing)	No	05/02/2026
Smiths Detection, Inc.	**IONSCAN 600**	4824000E-301-3 (3)				Yes (No Wand)	No	08/15/2023

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 aircrafthold.

(CC) A configuration change has been endorsed by the CEP Management Group as not-affecting detection.

(CE) The entry has been modified by the Secretariat generally to amend typos and errors in the designation of configuration details previously endorsed by the CEP-MG.

(3) ECAC/EU ETD G1 awarded in addition to the previously achieved ECAC/EU Standard on explosives detection.

Section 3 (EDS-CB) (Explosive Detection system Cabin Baggage)

3.1 Xray Technology

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.

AT Vendor	Model	Algorithm	Algorithm Description	Software Version	Development Completion	Certified	Date First Deployed	Last Date of Deployment	Status
Smiths	6040 aTiX	05-34-02	Tier I	SWV-17	2017	7/22/2010			First Deployment
		06-30-02	Tier I	SWV-29 SWV-32 SWV-41 SWV-42	2007/2008	2008	3/12/2008	2/20/2019	Fully Deployed
		07-40-02	Tier II Phase II	SWV-41	2011	5/28/2018	7/1/2019	8/2020	Fully Deployed
		07-43-02	Orange	SWV-44	10/26/2017	7/15/2018	12/1/2020	7/2022	1/3/22
Rapiscan	620DV ATU/AT2	v2.056 v2.061 v3.281	Tier 1 Tier 2 + Orange	v421 v455 v794	10/5/2009 4/13/2016 2/20/2017	10/27/2009 4/25/2016 6/6/2017	9/5/2014 6/13/2016 12/1/2020	2017 12/2022	Fully Deployed 1/3/22

Manufacturer	Device Model Number	Configuration	Standard	Date Qualified
Analogic	**ConneCT**	Hardware: ConneCT Detection Algorithm: v9.23.04, v9.21.09, v9.23.05, 9.19.04, 9.17.02, v9.17.01, Auxiliary Hardware: MacDonald Humfrey (P/N 12043-SLT) CONOPS: 16-01519 Rev.03-2018	C3	05/02/2021
Analogic	**ConneCT**	Hardware: ConneCT Detection Algorithm: 9.15.01, 9.11, 9.07, 9.04 Auxiliary Hardware: MacDonald Humfrey tray (P/N 12043-SLT),(P/N095527-727),(P/N42112482), (P/N 21-06027-01) CONOPS: 16-01519 Rev.03-2018	C2	04/02/2021
Gilardoni	**FEP ME 640 AMX**	Hardware: 37548400-001 Detection Algorithm: 3AUE0294-005 Auxiliary Hardware: Gilardoni Tray (P/N 55203181) CONOPS: 37640500-001, 37640500-004	C1	04/02/2021
IDSS Holdings Inc	**Detect 1000**	Hardware: Detect 1000 Detection Algorithm: 205.0.0 Auxiliary Hardware: MacDonald Humfrey tray (P/N 12043-SLT) CONOPS: Detect 1000 user guide Revision 3.0	C2	26/10/2018
IDSS Holdings Inc	**Detect 1000**	Hardware: Detect 1000 Detection Algorithm: 326.0.0, 314.0.1, 332.1.0, Auxiliary Hardware: Tray: VanDerLande Bandeja Scannojet CONOPS: Mfg. No. 1000D1000v4.0	C3	05/02/2026
Leidos	**ClearScan**	Hardware: 1000-10001-CS Detection Algorithm: EDS_1.2.5 Auxiliary Hardware: Daifuku tray (P/N SSL01_XA001_NH) Daifuku tray (P/N SSL01_XA001_NH_B) Daifuku tray (P/N SSL01_XA001_NH_C) (formerly Scarabee) MacDonald	C2	06/07/2026

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Manufacturer	Device Model Number	Configuration	Standard	Date Qualified
		Humfrey tray (P/N 12043-SLT) Herbert tray 91280AS CONOPS: 8100-26282-OM		
Leidos	**ClearScan**	Hardware: 1000-10001-CS Detection Algorithm: EDS_1.4.25 Auxiliary Hardware: Daifuku tray (P/N SSL01_XA001_NH) Daifuku tray (P/N SSL01_XA001_NH_B) Daifuku tray (P/N SSL01_XA001_NH_C) (formerly Scarabee) MacDonald Humfrey tray (P/N 12043-SLT) CONOPS: 8100-26282-OM	C3	06/07/2026
Leidos	**ClearScan HS**	Hardware: 1000-10001-CSU Detection Algorithm: EDS-1.4.42 Auxiliary Hardware: Daifuku tray (P/N SSL01_XA001_NH) Daifuku tray (P/N SSL01_XA001_NH_B) Daifuku tray (P/N SSL01_XA001_NH_C) (formerly Scarabee) CONOPS: 8100-34802-OM	C3	06/07/2026
Leidos	**PX 640 DV**	Hardware: 37548400-001 Detection Algorithm: 3AUE0294-005 Auxiliary Hardware: Leidos tray (P/N AX0190-42132-00) CONOPS: 37640500-004	C1	25/07/2025
Nuctech	**CX6040D**	Hardware: CX6040D Detection Algorithm: Eda V1.0.0 Auxiliary Hardware: - OneTray (P/N VAS021) - MacDonald Humfrey tray (12043-SLT) - NUC680 tray (P/N v5) CONOPS: CONOPS_CX6040D_V1.0_EDSCB	C1	20/12/2021
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).	C1	25/03/2020

Manufacturer	Device Model Number	Configuration	Standard	Date Qualified
		CONOPS: CONOPS_CX7555D_EDSCB_V1.0_20190716		
Nuctech	Kylin	Hardware: DHV 1.0 Detection Algorithm: v3.5.7 Auxiliary Hardware: Vanderlande Scannojet tray v4 P10128 revA CONOPS: v1.0	C1	24/01/2018
Nuctech	Kylin MV	Hardware: DHV 1.0 Detection Algorithm: v7.0.5 Auxiliary Hardware: NUC680 tray (P/N v4) CONOPS: v1.0	C2	20/12/2021
Nuctech	Kylin Ti	Hardware: DHV 1.0 Detection Algorithm: v3.6.8 Auxiliary Hardware: - Nuctech NUC680 tray (P/N v1) - Vanderlande Scannojet tray (P/N 095527727 / P10128 revA) CONOPS: Kylin Ti CONOPS v3.0	C2	03/06/2022
Nuctech	Kylin Ti	Hardware: DHV 1.0 Detection Algorithm: v3.6.8 Auxiliary Hardware: - Nuctech NUC680 tray (P/N v1) - Vanderlande Scannojet tray (P/N 095527727 / P10128 revA) CONOPS: Kylin Ti CONOPS v3.0	C2	03/06/2022
Nuctech	AX6040	Hardware: A01N Detection Algorithm: EDA 3.0.2, EDA 3.0.7 Auxiliary Hardware: - NUC680 V3, NUC680 V5 CONOPS: v 1.0	C2	25/04/2025
Rapiscan	620DV	Hardware: 620DV Detection Algorithm: 4.517	C1	20/12/2018

Manufacturer	Device Model Number	Configuration	Standard	Date Qualified
		Auxiliary Hardware: - MacDonald Humfrey tray (P/N 101005244) CONOPS: D00370 Rev.1		
Rapiscan	920CT	Detection Algorithm: 9.15.01 Auxiliary Hardware: MacDonald Humfrey tray (P/N 12043-SLT) CONOPS: 101014944 Rev 2	C2	05/02/2021
Rapiscan	920CT	Hardware: 920CT Detection Algorithm: v9.23.05 Auxiliary Hardware: Herbert tray (P/N 101019470) CONOPS: 101014944 Rev 2	C3	24/02/2021
Rapiscan	920DX	Detection Algorithm: 1.25 Auxiliary Hardware: MacDonald Humfrey tray (P/N 101005244) CONOPS: D05150 rev1, 920DX ConOps EDSCB C1	C1	20/12/2021
Smiths Detection	HI-SCAN 6040aTiX	Hardware: 6040aTiX Detection Algorithm: 09-15-13 Auxiliary Hardware: - Smiths Detection tray (P/N 34486990) - Smiths Detection tray 2 (P/N 34482148) CONOPS: 95595885 (2016/09/26)	C1	03/01/2022
Smiths Detection	HI-SCAN 6040aTiX	Hardware: 6040aTiX Detection Algorithm: 09-70-23, 09-16-23, Auxiliary Hardware: Vanderlande Scannojet tray (P/N P10128 / 095527-727) CONOPS: 95595885 (2016/09/26)	C2	03/01/2022
Smiths Detection	HI-SCAN 7555aTiX	Hardware: 7555aTiX Detection Algorithm: 09-71-27, 09-16-26, 09-15-16, 09-15-14, Auxiliary Hardware: Schoeller Allibert tray 2A021 (P/N 11112352) CONOPS: 95595885 (2016/09/26)	C1	06/06/2017

Manufacturer	Device Model Number	Configuration	Standard	Date Qualified
Smiths Detection	HI-SCAN 7555aTiX	Hardware: 7555aTiX Detection Algorithm: 09-71-27 , 09-16-26, Auxiliary Hardware: Smiths Detection tray (P/N 34486990) CONOPS: 95596016 (2017/09/26)	C2	24/02/2021
Smiths Detection	XDi	Hardware: XDi Detection Algorithm: XDi-CBS-C-v1.0 Auxiliary Hardware: MacDonald Humfrey Tray (P/N 34460689) CONOPS: 2.13	C1	26/10/2018
Smiths Detection	HI-SCAN 6040-2is HR	Hardware: 6040-2is HR Detection Algorithm: 09-19-19, 09-15-20 Auxiliary Hardware: Smiths Detection tray (P/N 34486990) - Smiths Detection tray 2 (P/N 34482148) CONOPS: 95595885 (2016/09/26)	C1	03/01/2022
Smiths Detection	HI-SCAN 6040 DV	Hardware: 6040DV Detection Algorithm: 30-00-25, 30-00-38 Auxiliary Hardware: Vanderlande tray (P/N 10128 / 095527-727) - Smiths Detection tray 3 (SD3, P/N 34495373) CONOPS: 95596016 rev. 02 (2020/03/01)	C1	20/12/2021
Smiths Detection	HI-SCAN 7555 DV	Hardware: 7555 DV Detection Algorithm: 30-10-17 , 30-10-16 Auxiliary Hardware: Smiths Detection tray 2 (P/N 34482148) Smiths Detection tray 3 (P/N 34495373) Schoeller Allibert tray 2A021 (P/N 11112352) CONOPS: 95596016	C1	18/05/2023
Smiths Detection	HI-SCAN 6040 CTiX	Hardware: 6040 CTiX 6040 CTiX Model S Detection Algorithms: 20-14-00 20-20-00, 20-30-00 Auxiliary Hardware: Smiths Detection tray 2 (P/N 34482148) Smiths Detection tray 2 (P/N 34506084) Vanderlande tray (P10128 / 095527-727)	C2 & C3	14/01/2023

Manufacturer	Device Model Number	Configuration	Standard	Date Qualified
		CONOPS: 95596016 (2017/09/26)		
Smiths Detection	HI-SCAN 6040 CTiX	Hardware: 6040 CTiX 6040 CTiX Model S Detection Algorithm: 20-31-00 , 20-36-00, 20-41-00, 20-50-00, 20-71-00 Auxiliary Hardware: OneTray tray (P/N OT_VAS013) Cassioli tray (P/N S030012FPLT) Smiths Detection tray 3 (P/N 34496512) Smiths Detection tray 3 (P/N 34493797) Smiths Detection tray 3 (P/N 34495373) CONOPS: 9 95596016- LAGs may be screened with a limit of the max volume of individual LAG containers not to exceed 2000 ml (2 l)	C3	04/08/2025
SST Labs	E3S 690	Hardware: E3S 690 Detection Algorithm: 1.4.2 Auxiliary Hardware: EV tray CONOPS: SSQP-06-027 Rev No. 4	C3	17/10/2023

Notes:

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

(2) The Concept of Operations (CONOPS) applied for EDSCB equipment depends on the EDSCB Standard achieved:

Standard C1: Screening requires the divestment of electronics and liquids, aerosols and gels (LAGs).

Standard C2: Allows screening of baggage containing portable computers and other large electrical items.

Standard C3: Allows screening of baggage containing portable computers and other large electrical items and LAGs.

EDSCB configurations had not been tested for hold baggage performance under the CE

3.2 Computed Tomography (CT) Technology

System Type	Vendor	Model	Algorithm / Software Version	Certification Date	Comments
CT	Analogic	ConneCT	10.04.06	1/22/2020	
CT	IDSS	Detect 1000	105.4.0, 106.1.0	1/22/2020	
CT	Leidos	ClearScan	EDS_1.5.12	11/23/2020 19/03/2021(ECAC)	Hardware: 1000-10001-CSU Detection Algorithm: EDS-1.4.42 Auxiliary Hardware: Scarabee (P/N SSL01_XA001_NH) CONOPS: 8100-26282-OM
CT	Rapiscn	920CT	10.04.06	7/14/2020 24/02/2021(ECAC)	Detection Algorithm: v9.23.04 Auxiliary Hardware: MacDonald Humfrey (P/N 12043-SLT) CONOPS: 101014944 Rev 2
CT	Smiths Detection	Hi-Scan 6040 CTiX	20-40-00, 20-52-00	11/13/2019 03/01/2022(ECAC)	Hardware: 6040 CTiX Detection Algorithm: - 20-27-00, 20-30-00 Auxiliary Hardware: - - Smiths Detection tray (P/N 34486990) - Smiths Detection tray 2 (P/N 34482148) CONOPS: 95596016 Rev. 1 (2017/09/26)
CT	Vanderlande	PAX Solutions CT	10.04.06/9.13.0	5/10/2021	
CT	Nuctech	Kylin Ti	V3.6.27	03/06/2022	Hardware: DHV 2.0 Detection Algorithm: V3.6.27 Auxiliary Hardware: Cassioli tray (P/N S030008FPLT)CONOPS: Kylin Ti CONOPS v3.0

3.3 Checkpoint Property Screening System

3.3.1 Technology Description

- CPSS Base - A CT scanner equipped with gravity rollers, manual diverter, Primary Viewing Station (PVS), Alternate Viewing System (AVS), and version 6.2 Level 0 threat detection algorithm. Base systems may be used to screen oversized items.

- CPSS Mid-Size - A CT scanner equipped with gravity rollers, ingress/egress conveyors, operator-initiated item divert capabilities, PVS, AVS, and version 6.2 Level 0 threat detection algorithm.

- CPSS Full-Size - A CT scanner equipped with automated ingress/egress conveyors, operator initiated auto divert capabilities, automated conveyance system with parallel divestiture and re-composure, automated bin return, high threat containment box, PVS, AVS, and version 6.2 Level 0 threat detection algorithm.

Section 4 (Security Scanners/Body Scanners)

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

Detection Requirements				
AIT Vendor	**AIT Model**	**Tier I**	**Tier II**	**Targeted Threat Algorithm (TTA)**
Leidos	PV100	Fielded with initial deployment of PV100s in October 2011	Approved for phased upgrade in June 2015	TTA requirement was met and partial deployment was achieved in May 2017
Leidos	PV200	N/A	Began fielding with initial deployment of PV200s in September 2014	The vendor is under contract for development for completion of TTA. Testing began in Q4FY19 and was implemented in FY20
Leidos	PV200	N/A	Certified by the Transportation Security Lab and provided to the TSA in June of 2020 supporting the recent qualified product list opening (QPL)	Included as part of TSL certification for QPL
Rohde & Schwarz	QPS 201	N/A	Certified by the Transportation Security Lab and provided to the TSA in May of 2021 supporting the recent qualified product list opening (QPL)	Included as part of TSL certification for QPL

Manufacturer	Device Model Number	Configuration	Standard	Type of operation	Date Qualified
CEIA	JANUS	Detection hardware: 1.001 2.1 A 03/07/2021 System software: JUI.1005 Detection software: DS.1006, C1DA.1008, C2DA.1009 C2DA.1010 CONOPS:FT060K0171v1010, FT060K0170v1020, FT060K0170v1030	2.1	A	01/09/2022
Leidos	ProVision 2 (PV-2)	Detection hardware: 1600-20982-00 System software:SS2.1, SS5.1.43,SS8.1.50 Detection software: E4.10.19 E4.15.19, E4.55.50, E4.90.50, E4.95.50 CONOPS: 8500-22184-00, 8500-22184-00 Rev. A0,	2	A	30/08/2019
Leidos	ProVision 2 (PV-2)	Detection hardware 1600-20982-00 System software SS5.1.43 SS8.1.50 Detection software E4.110.50 CONOPS 8500-22184-00 Rev. A0	2.1	A	30/11/2021
Leidos	ProVision 3 (PV-3)	Detection hardware:1600-20982-00, AX1000-10004-PV, System software: SS5.1.43,SS8.1.50, SS10.1.0, Detection software: E4.108.50,E4.110.50, E10.10.50, E10.20.50,E10.30.50. CONOPS: 8500-22184-00 Rev. A0, 8500-34794-00 Rev A0,	2.1	A	25/02/2022
Nuctech	MW1000AA	Detection hardware 1.0 System software 2.1.0.177 Detection software 2.1.0.5 CONOPS 1.6	2	A	29/11/2016
Nuctech	MW1000AA	Detection hardware 1.0 System software 2.1.3 4.1.2 Detection software 3.7.1 CONOPS 1.10 (Nov 2018 & Aug 2021) 1.11 (Jan 2018 & Aug 2021)	2.1	A	18/11/2021
Nuctech	MW2000AA	Detection hardware 1.0 System software 1.0.5 Detection software 2.0.2 CONOPS 1.0	2.1	A	25/05/2023

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Manufacturer	Device Model Number	Configuration	Standard	Type of operation	Date Qualified
Rohde & Schwarz	R&S®QPS100	Detection hardware 1.20 System software 1.43, 1.43.2, 1.62 / 1.62 W 3.0.1 / 3.0.1W 3.0.2 / 3.0.2W 3.1.1 / 3.1.1W Detection software 1.43, 1.62 CONOPS 1.40	2	A	19/11/2020
Rohde & Schwarz	R&S®QPS100	Detection hardware 1.20 System software 1.62 / 1.62 W 3.0.1 / 3.0.1W 3.0.2 / 3.0.2W 3.1.1 / 3.1.1W Detection software 1.62 CONOPS 1.40	2.1	A	31/05/2022
Rohde & Schwarz	R&S®QPS200	Detection hardware 2.10 System software 2.12, 2.12.2 Detection software 2.12 CONOPS 2.10	2	A	18/09/2015
Rohde & Schwarz	R&S®QPS200	Detection hardware 2.10 System software 2.62 / 2.62W 3.0.1 / 3.0.1W 3.0.2 / 3.0.2W 3.1.1 / 3.1.1W Detection software 2.62 CONOPS 2.10	2.1	A	31/05/2022
Rohde & Schwarz	R&S®QPS201	Detection hardware 3.10,3.30, 3.50 System software 3.11, 3.31, 3.36, 3.1.1,3.1.1W, 3.40, 3.42, 3.44, 3.62, 3.64, 3.60W. Detection software 3.11, 3.36, 3.1.1 / 3.1.1W, 3.40 3.42 3.44, 3.62,3.64,3.60, 3.62,3.64,3.65. 3.74 CONOPS 3.00, 1178.5450.02-03.00	2·1	A	25/05/2023
SHENMUTEK	ES7	Detection hardware 1.0 System software 1.0.5 Detection software 2.0.2 CONOPS 1.0	2·1	A	25/05/2023
Smiths Detection	eqo	Configuration document Z7115020 Version 2.0 System software BI-01-08-F-000-00 Detection software 001-084,001-085	2	A	10/05/2013

Manufacturer	Device Model Number	Configuration	Standard	Type of operation	Date Qualified
		CONOPS V1.7			
Smiths Detection	eqo	Configuration document Z7115022 Version 1.0 System hardware 11129800, 91470001 System software BI-01-08-F-000-00 BI-01-09-H-000-00 BI-01-09-H-245-00 BI-01-09-L-000-03 BI-01-09-G-000-05, Detection software 001-082, 001-112 CONOPS V1.7	2.1	A	19/11/2020

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 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 analyses the image and to indicate the location of detected object

Section 5 (Walk Through Metal Detectors)

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

Manufacturer	Device Model Number	Hardware:	Antenna	Detection Algorithm	CONOPS	Standard(2)	Date Qualified
CEIA	02PN10K-EVO	02PN10K/PZ-EVO V2.00x Control Unit Board SCD73	SS65	PV 1010, IS=EU-STD-2	FI060K0098v1103xUK	2.1	12/03/2019
CEIA	HI-PE PLUS	LX1A1010	SS65	LXDA2000	FI060K0220V1000	2.1	09/12/2022
CEIA	PMD3 Plus	PMD3Plus/PZ	SS65	LXDA2000	FI060K0108v2310	2.1	09/12/2022
CEIA	02PN20	02PN20/PZ	SS65	LXDA2000(EU-STD-2)	F1060K010v2320	2.1	09/12/2022
CEIA	02PN20 Elliptic	02PN20/EZ	NN76	LXDA200 (EU-STD-2)	FI060K0108v2400	2.1	12/05/2022
CEIA	PMD2 PLUS Elliptic	02PN20/EZ	NN76	LXDA2000 (EU-STD-2)	FI060K0108v2400	2.1	09/12/2022
Garrett	PD6500i	2340510 and 2340720	223320x and 223335x	ECAC / SE=162	1532010	2.1	17/12/2021
Rapiscan	Metro 900M	Electronics,p/n 23113530	RX Coils,p/n 101017805 TX Coils,p/n 101017806	V 1.3.1 EU2 HD,Sensitivity 100	V1.0, p/n D05693	2	17/12/21

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Manufacturer	Device Model Number	Hardware:	Antenna	Detection Algorithm	CONOPS	Standard(2)	Date Qualified
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	09/12/2022

Section 6 (Liquid Explosive Detection Systems)

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

Detection Requirements			
BLS Vendor	**BLS Model**		
Smiths Detection	Responder BLS	Deployed fleet wide. Detection standard approved July 19, 2012	New detection standards defined and approved January 2017. No current requirements to deploy fleet wide.
CEIA	EMA-MS		

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, Grav-kit-v1.0 Software: • Insight.exe (2.0.0.1) • Insight100.exe (2.2.1.0) Measurement Software: 1.9.0, Gravi200.exe (1.0) Gravi200.exe (1.1) Gravi200.DLL (1.1) Algorithm : INS100-27 Rev. 1.0, 1 Sep 2011 CONOPS: INS100-25-EN Revision 2.5, INS100-35-EN Revision 1.0, INS200M - 25 - EN Revision 1.1	3	B	11/09/2017
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	26/04/2013
Agilent Technologies	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
Agilent Technologies	Insight100	Detection Hardware: INS100-v1.0 Auxiliary Hardware: Grav-kit-v1.0 Measurement Software: 1.9.0 Auxiliary Measurement Software: 1.2.0, Grav200.exe (1.0)* CONOPS: INS100-35-EN Revision 1.0	3	B	11/09/2017

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Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
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
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) (1.1) CONOPS: INS200M - 25 - EN Revision 1.1, CONOPS Rev 2.0	3	B	09/12/2021
Analogic	COBRA	Detection Hardware: AN6980 Algorithm: Config 4.193 (261), 4.192 (261) CONOPS: 1-64812	2	D/D+	04/03/2013
Battelle	LS10	Detection Hardware: LS10 (635109J5000-10) Auxiliary Hardware: Firmware v1.24 Algorithm: v1.3.20.1045, v2.2.14.001 CONOPS: LS10 Operator Manual (635109J0040)	2	B	16/02/2016
Battelle (formerly Sellex)	LS10	Detection Hardware: LS10 (635109J5000-10) Auxiliary Hardware: Firmware v1.24 Algorithms: v1.3.32.1613 v1.3.40.1614, v1.3.14.1026, v2.3.40.1705 CONOPS: LS10 Operator Manual (635109J0040)	3	B	05/01/2016
CEIA	EMA-3	Detection Hardware: EMA-3 Algorithm: PV EMA3 3540, PVCT EMAO 2100 CONOPS: FI200K0015v1116UK	3	A	02/05/2014

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: 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	B	04/11/2014
CEIA	EMA-4	Detection Hardware: EMA-4 Algorithm: ALG1 CONOPS: FI200K048v1000hUK	3	B	19/02/2021
DetectaChem	SEEKERe	Detection Hardware: 2.5.1 Algorithm: 13.1.0, 13.2.2, 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 TS Measurement Software: ecac_std_v5.1.ini ecac_std_v5.2.ini ecac_std_v5.3.ini CONOPS: EMILI TS Conops 0513, Emili2_ConOP_03; Rev. 2.0 July 2011,	2	B	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	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

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
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
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: 37493500-000, 05141092 2 C 11/07/2012 Algorithm: 3AUE0263-002 System Software: 3AUE0217-001 CONOPS: 37493700-003	2	C	11/02/2015
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

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 CONOPS: CON-OPS-0866 Rev3 Algorithm: 7.4.0.0, 7.5.0.8	2	B	04/11/2014)
Kromek	Identifier BLS1006	Detection Hardware: SPF-TEC-1207 Auxiliary Hardware: BOM-OPS-1006 Algorithm: 7.5.0.10, 7.5.0.9 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: 1.01 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	18/02/2020
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	18/02/2020

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Leidos	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	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
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: V1.2.036.188 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
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

Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
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: 2.2	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
Nuctech	CX 7555D	Detection Hardware: CX7555D.A03N Algorithm: Lida V1.0.2 CONOPS: CONOPS_CX7555D_LEDS_V 1.0_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 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
Optosecurity	OptoScreener on Smiths 6046si	Detection Hardware: Smiths 6046si Auxiliary Detection Hardware: HP Z620 / OS3000 Algorithm: V 6.5 CONOPS: D500-10001	2	C	20/11/2013
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	Algorithm: 3.510 CONOPS: 92106913, Rev 2 Vanderlande Scannojet tray (P/N P10128 / 095527-727)	2	C	02/06/2020
Rapiscan	920DX	Detection Hardware: 920DX Algorithm: 2.02 Auxiliary Hardware MacDonald Humfrey tray (P/N 101005244) CONOPS: D05355	3	C	09/12/2021
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	Detection Hardware: 6040aTiX Algorithm: 06-60-32 Algorithm: 09-19-23 CONOPS: 95596016 rev. 02 (2020/03/01) - Smiths Detection tray 3 (P/N 34495374, with Safety-Walk + RFID-Tag + Liquidinlay)	2	C	19/02/2021

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Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
Smiths Detection	HI-SCAN 6040aTiX	Hardware: 6040aTiX Algorithm: 08-90-31 CONOPS: 95595885 (2016/09/26) - Herbert Tray 91280AS (P/N 34460688)	3	C	11/10/2021
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: 7555aTiX Algorithm: 09-71-27 CONOPS: 95596016 (2017/09/26) - Smiths Detection Tray (P/N 34486990)	2	C	11/10/2021
Smiths Detection	HI-SCAN 7555aTiX	Detection Hardware: HI-SCAN 7555aTiX - 91460001 Algorithm: 09-15-25 - 09-17-16 - 09-17-26 CONOPS: 95595885 (2016/09/26) - Herbert tray 91280AS (P/N 34460688)	3	C	11/10/2021
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: - HI-SCAN 6040-2is HR - 90140002 Algorithm: 09-19-19 CONOPS: 95596016 (2017/09/26) - Vanderlande tray (P/N P10128 / 095527-727) - Vanderlande inlay (P/N P13715 / 095535-212)	2	C	11/10/2021
Smiths Detection	HI-SCAN 6040-2is HR	Detection Hardware: - HI-SCAN 6040-2is HR – 90140002 Algorithm: 09-15-20 95596016 rev. 02 (2020/03/01) - Smiths Detection tray 3 (P/N 34495374, with Safety-Walk + RFID-Tag + Liquidinlay)	3	C	11/10/2021

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Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
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
Smiths Detection	HI-SCAN 6040i	Detection Hardware: 91152001 Auxiliary Hardware: TIM (Threat Inquest Module) Algorithm: 06-82-37 CONOPS:95594060	2	C	21/10/2020
Smiths Detection	HI-SCAN 6040 DV	Detection Hardware: 6040 DV Algorithm: 30-00-29 Auxiliary Hardware: - Smiths Detection tray 2 (P/N 34482148) - Smiths Detection tray 3 (P/N 34495374, with Safety-Walk + RFID-Tag + Liquidinlay) CONOPS: 95596016 rev. 02 (2020/03/01)	2	C	09/12/2021
Veriteque USA, Inc	SwabTek LETK	Detection Hardware: Test strip 082015V2 Algorithm: Non applicable CONOPS: LETK082015 v2.0 LETK072016 v3.0	2	A	23/08/2016
Veriteque USA, Inc	SwabTek 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 580-1281	Algorithm: V2.1.0/Build 9119/Conf BLSM-A1-T03E CONOPS: Brochure TSCBR02 with one additional page	3	A	26/04/2013

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Manufacturer	Device Model Number	Device Model Number	Standard	Type of operation	Date Qualified
X-Ray Center	XRC 60-40DV	Algorithm: 108.1.117.187.25, 108.1.117.187.21 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 LEDS, provided by the manufacturer, the LEDS performance was tested for a given type of operations:

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

Type B: the LEDS 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 LEDS 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 LEDS 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 LEDS is additionally capable of screening 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.

Section 7 Boarding Pass Scanners

7.1 Technology Description

A Boarding Pass Scanner is a device employed to read a passenger's boarding pass and to display the passenger's name, flight information, and risk status to the Travel Document Checker (TDC). With this information, the TDC is able to determine if a passenger should be admitted to, and routed through, the checkpoint to receive the appropriate level of security screening.

7.2 Technology

The following is the list of technology that DASA can accept as a Capability

Vendor	Device Make & Model	Software Version	Date
DESKO GmbH	PENTA Scanner BPV2.0	Latest TSA-approved software version	September 2019

7.3 Furniture, Fixtures, and Equipment

The following is the FF&E that is required for the technology to be operational.

Vendor	Device Make & Model	Item	Peripheral Equipment Vendor	Item Number	Description
DESKO GmbH	PENTA Scanner BPV2.0	Rechargeable Battery	DESKO GmbH	3001659	Rechargeable Battery
DESKO GmbH	PENTA Scanner BPV2.0	Battery Charger	DESKO GmbH	3001878	Battery Charger
DESKO GmbH	PENTA Scanner BPV2.0	Stanchion Mounting Bracket	DESKO GmbH	3001879	Stanchion Mounting Bracket

The following is FF&E that DASA may require for efficient operations.

Vendor	Device Make & Model	Item	Peripheral Equipment Vendor	Item Number	Description
DESKO GmbH	PENTA Scanner BPV2.0	Anti-Fatigue Mats	Carolina Industrial	Item number varies based on length and width required	Sufficient coverage for areas where TSOs operate
DESKO GmbH	PENTA Scanner BPV2.0	Stanchion	Lavi Industries	Beltrac Post with 7' single or double belt	For mounting

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