

NON-Sensitive Security Information (SSI)
Version of the
TSA Air Cargo Screening Technology List (ACSTL) – For Passenger Aircraft

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**Transportation
Security
Administration**

11 May 2012

This document lists the **NON-Sensitive Security Information (SSI)** version of the Transportation Security Administration (TSA), Air Cargo Screening Technology List – For Passenger Aircraft - Version 7.4 dated 05/11/2012. This list indicates the equipment that can be used by air carriers, indirect air carriers, independent cargo screening facilities, and shippers in the Certified Cargo Screening Program to screen for domestic and outbound (of the United States) air cargo. This list contains **qualified, approved, and grandfathered** technologies, their manufacturer, model number, and top assembly part number. Qualified technologies have undergone a formal TSA sponsored test process. Approved technologies are conditionally approved for screening operations and are currently undergoing further testing for qualification and are approved for 36 months from the date added to the technology list. If these approved technologies are unable to pass qualification activities within the prescribed 36 months, they will be removed from the approved technology section on the specified expiration date. Due to this fact, regulated parties who procure devices from the approved technology section do so at their own risk.

The TSA is in the process of further evaluating and testing the Approved technologies on this list for screening air cargo and other existing and emerging technologies to determine their qualified status. Future testing may result in modifications to this list.

Despite what some manufacturers advertise, TSA has not approved any equipment for any ULD screening. The maximum size cargo configuration that may be screened is a 48" x 48" x 65" skid. When procuring equipment, regulated parties should select devices from the qualified technology section.

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Version 7.4 as of 05/11/2012

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Document Purpose: This document services as an official guide for regulated parties to use when procuring screening equipment in accordance with TSA approved security programs. **Any technology purchased off this list must be utilized in accordance with measures outlined in a screener's Standard Security Program.**

Document Format: The document is divided into three sections: a qualified technology section, an approved technology section, and a grandfathered technology section. The qualified technology section specifies equipment, by technology, which has undergone a formal TSA sponsored test process and is deemed qualified for screening operations. When procuring equipment from the ACSTL, regulated parties are encouraged to select equipment from the qualified technology section. The approved technology section specifies equipment, by technology, which has been conditionally approved for screening operations and is currently undergoing or scheduled for field test activities. This equipment has up to 36 months from the date when it was added to the approved technology section to successfully pass TSA's suitability based field test activities. If it is unable to pass field test activities within the prescribed 36 months, it will be removed from the approved technology section on the specified expiration date. Due to this fact, regulated parties who procure equipment from the approved technology section do so at their own risk. Additional technologies may be added to the approved technology section at TSA's discretion. The grandfathered technology section specifies equipment, by technology, which is currently approved to screen cargo but has a stated expiration date. This allows regulated parties who are using the grandfathered technology an opportunity to gradually phase out the equipment and transition to devices listed in the qualified or approved sections. Due to this fact, regulated parties should not purchase equipment from this section; rather, they should reference the qualified or approved sections for their procurement needs.

Disclaimer: The approved technology section reflects equipment which has successfully passed Stage I of the qualification testing process. TSA reserves the right to remove equipment from this section if the equipment fails Stage II test activities. TSA also reserves the right to remove equipment from the approved or qualified section due to a device's inability to meet more stringent performance parameters associated with emerging threats. Should such a situation occur, TSA will issue specific guidance on how previously purchased equipment may be used.

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Manufacturer points of contact are listed below by alphabetical order:

Company	Point of Contact	Phone Number	Email
AS&E	Paul Freitas	978-262-8762	pfreitas@as-e.com
Astrophysics	Simon Bedford	858-774-8432	sbedford@astrophysicsinc.com
CEIA	Mark Meyer	330-405-3190	mmeyer@ceia-usa.com
Control Screening	Ken Voigtland	973-296-9531	kvoigtland@controlscreen.com
Eriez	Jeffrey Kaveney	814-823-7334	jkaveney@eriez.com
L-3	Ellen M. Howe	703-981-8161	Ellen.M.Howe@l-3com.com
Lock Inspection	David Arseneault	978-265-3117	darseneault@lockinspection.com
Morpho Detection	Daniel Mahlum	510-579-5250	daniel.mahlum@morphodetection.com
Rapiscan	Peter Modica	732-939-6920	pmodica@rapiscansystems.com
Reveal	William Aitkenhead	781-276-8497	william.aitkenhead@revealimaging.com
Smiths Detection	Mark Laustra	973-634-2070	Mark.Laustra@smithsdetection.com
S+S	Doug Pedersen	519-500-9471	doug.pedersen@sesotec.com

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Qualified Technology: The following list of **Non-Computed Tomography (Non-CT) Transmission X-ray Devices, Explosive Trace Detection (ETD) Devices, and Explosive Detection Systems (EDS)** specifies equipment which has undergone a formal TSA sponsored test process and is deemed qualified for screening operations. When procuring equipment from the ACSTL, regulated parties are encouraged to select equipment from the qualified technology section.

Non-Computed Tomography (Non-CT) Transmission X-ray Devices

Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Qualified
AS&E	Gemini 6040	299-0500	10/23/2009
AS&E	Gemini 7555	288-0500	10/23/2009
AS&E	Gemini 100100	302-0500	10/23/2009
Astrophysics Inc	XIS 100 X	00-13-1XST-21	5/14/2010
Astrophysics Inc	XIS 100 XD	00-13-1XDM-21	5/14/2010
Astrophysics Inc	XIS 100 XDV	00-13-1XDV-21	10/23/2009
Astrophysics Inc	XIS 1080	00-13-1080-21	5/14/2010
Astrophysics Inc	XIS 1517	00-13-1517-20	5/14/2010
Astrophysics Inc	XIS 1818	00-13-1818-20	5/14/2010
Astrophysics Inc	XIS 1818 320	00-25-1818-20	5/14/2010
Astrophysics Inc	XIS 5878	00-13-5878-12	5/14/2010
Astrophysics Inc	XIS 6040	00-12-6040-21	5/14/2010
Astrophysics Inc	XIS 6545	00-13-6545-21	5/14/2010
Astrophysics Inc	XIS 6545 DV	00-13-65DV-21	10/23/2009
Astrophysics Inc	XIS 7858	00-13-7858-21	5/14/2010
Control Screening	6040	6040M-AC2	5/14/2010
Control Screening	7555M	7555M-AC2	5/14/2010

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Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Qualified
Control Screening	100100T	100100T-AC2	5/14/2010
L-3	ACX 6.4	1000-ACX64-00	10/23/2009
L-3	ACX 6.4 MV	1000-MVACX-00	10/23/2009
L-3	CX 6000 P DV	002	5/14/2010
L-3	MVT-HR	1000-10001-HR 1000-10002-HR	2/3/2010 11/21/2011
L-3	PX 107	1000-PX107-00	5/14/2010
L-3	PX 160 P	0125-10431-00	5/14/2010
L-3	PX 208	1000-PX208-00	5/14/2010
L-3	PX 6.4	1000-1PX64-00	5/14/2010
L-3	VDS 108	1000-10001-SF	5/14/2010
L-3	VIS-HR	1000-10001-VH	2/3/2010
Morpho Detection ²	HRX 650	P0007033-003	5/14/2010
Morpho Detection ²	HRX 750	P0007033-004	5/14/2010
Morpho Detection ²	HRX 1000	P0007033-005	5/14/2010
Morpho Detection ²	HRX 1000 DV	P0007033-011	5/14/2010
Morpho Detection ²	HRX 1500	P0007033-012	5/14/2010
Morpho Detection ²	HRX 1800	P0007033-013	5/14/2010
Rapiscan	620 DV	620DVRHS-AT 620DVLHS-AT 620DVRHS-STND 620DVLHS-STND	10/23/2009
Rapiscan	620 XR	620XRW-STND	10/23/2009
Rapiscan	627 DV	627DV-W115 627DV-STND	10/23/2009

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Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Qualified
Rapiscan	627 XR	627XRW-STND	10/23/2009
Rapiscan	628 DV	628DV115 628DV115-STND	5/14/2010
Rapiscan	628 XR	628XRW-STND	10/23/2009
Rapiscan	632 DV	632DV200 632DV-STND	10/23/2009
Rapiscan	638 DV	638DV200 638DV-STND	10/23/2009
Rapiscan	Eagle A 1000	A10T480	5/14/2010
Rapiscan	MVXR 5000	2010659-6	2/3/2010
Smiths Detection	6040 aTiX	11126346 HS 6040 aTiX	10/23/2009
Smiths Detection	6040 DS	91280001 HS 6040 ds	5/14/2010
Smiths Detection	6040 i	11121839 HS 6040 i	5/14/2010
Smiths Detection	6046 si	91150001 HS 6046 si	5/14/2010
Smiths Detection	7555 aTiX	11127253 HS 7555 aTiX	5/14/2010
Smiths Detection	7555 i	90590001 HS 7555 i	5/14/2010
Smiths Detection	7555 si	91230007 HS 7555 si	5/14/2010
Smiths Detection	9075	90050001 HS 9075 ³	5/14/2010
Smiths Detection	10080 EDtS	11125937 HS 10080 EDtS	10/23/2009
Smiths Detection	10080 EDX 2is	11119582 HS 10080 EDX-2is	10/23/2009
Smiths Detection	100100T 2is	90119101 HS 100100T-2is	10/23/2009
Smiths Detection	100100V	90560001 HS 100100V	5/14/2010
Smiths Detection	130130T 2is	21340001 HS 130130T-2is	10/23/2009

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Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Qualified
Smiths Detection	145180	11115414 HS 145180 ³	5/14/2010
Smiths Detection	180180	91031001 HS 180180 300kV	5/14/2010
Smiths Detection	180180 2is	31118079 HS 180180-300kV-2is	10/23/2009

¹ The Top Assembly Part Number is the only qualified configurations for each Device Model Number. Models with different part numbers are not considered qualified screening devices.

² Due to Morpho Detection's business acquisition of General Electric Homeland Protection, either company data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the qualified section.

³ The "TS" shown in the startup screen as part of the top assembly part number does not indicate a different hardware configuration.

Explosive Trace Detection (ETD)

Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Qualified
Morpho Detection ²	Itemiser DX	P0007018-014-CAR Rev. 2 ³	8/24/2010
Smiths Detection	Ionscan 500DT	4816800AE-401-B 4816800AE-401-C	8/24/2010

¹ The Top Assembly Part Number is the only qualified configurations for each Device Model Number. Models with different part numbers are not considered qualified screening devices.

² Due to Morpho Detection's business acquisition of General Electric Homeland Protection, either company data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the qualified section.

³ If the label for Itemiser DX does not match the ACSTL, please contact Morpho Detection for correction.

Explosive Detection Systems (EDS)

Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Qualified
L-3	6000 Examiner	1000-11216-00 Rev. B2	10/23/2009
L-3	6600 Examiner	1000-11216-00 Rev. B2	10/23/2009
Morpho Detection ²	CTX2500	103100-1 Rev. AM	10/23/2009
Morpho Detection ²	CTX5500	103000-1 Rev. AX	10/23/2009
Morpho Detection ²	CTX 9000DSi	600600-1 Rev. CE	10/23/2009
Morpho Detection ²	CTX 9400DSi	605200-1 Rev. B	10/23/2009

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Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Qualified
Reveal	CT-80	10360-1 Rev. D	10/23/2009
Reveal	CT-80DR	Reveal CT-80DR	10/23/2009

¹ The Top Assembly Part Number is the only qualified configurations for each Device Model Number. Models with different part numbers are not considered qualified screening devices.

² Due to Morpho Detection's business acquisition of General Electric Homeland Protection, either company data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the qualified section.

Approved Technology: The following list of **Non-Computed Tomography (Non-CT) Transmission X-ray Devices and Electronic Metal Detection (EMD) Devices** specifies equipment, by technology, which has been conditionally approved for screening operations and is currently undergoing or scheduled for field test activities. This equipment has up to 36 months from the date when it was added to the approved technology section to successfully pass TSA's suitability based field test activities. If it is unable to pass field test activities within the prescribed 36 months, it will be removed from the Approved Technology section at the prescribed expiration date. Due to this fact, regulated parties who procure equipment from the approved technology section do so at their own risk. Additional technologies may be added to the list at TSA's discretion.

Non-Computed Tomography (Non-CT) Transmission X-ray Devices

Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Approved
Smiths Detection	6040 aTiX	11126346	3/30/2011
Smiths Detection	100100T 2is	90119101	2/25/2011
Smiths Detection	100100V	90560001	3/30/2011
Smiths Detection	180180 2is	31118079	3/30/2011

¹ The Top Assembly Part Number is the only approved configurations for each Device Model Number. Models with different part numbers are not considered approved screening devices.

Electronic Metal Detection (EMD) Devices

Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Approved
CEIA	EMIS 6047	EMIS6047 EMIS_6047_001	5/24/2011
CEIA	EMIS 8075	EMIS8075 EMIS_8075_001	5/24/2011
CEIA	EMIS 110160	EMIS_110160_001	5/24/2011

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Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Approved
CEIA	EMIS 130160	EMIS_130160_001	5/24/2011
ERIEZ	EZ-Tec DSP	825495	5/24/2011
S+S	Unicon 800600	77033059	5/24/2011

¹ The Top Assembly Part Number is the only approved configurations for each Device Model Number. Models with different part numbers are not considered approved screening devices.

Grandfathered Technology: The following list of **Explosive Trace Detection (ETD) Devices and Electronic Metal Detection (EMD) Devices** specifies equipment, by technology, which is currently approved to screen cargo but has a stated expiration date. This allows regulated parties who are using the grandfathered technology an opportunity to gradually phase out the equipment and transition to devices listed in the qualified or approved sections. Due to this fact, regulated parties should not purchase equipment from this section; rather, they should reference the qualified or approved sections for their procurement needs.

Explosive Trace Detection (ETD) Devices

Manufacturer	Device Model Number	Required Top Assembly Part Number ¹	Date Added	Expiration Date
Morpho Detection ²	Itemiser II ³	P0007004-006 Rev. 010	5/14/2010	1/1/2014
Morpho Detection ²	Itemiser II ³	P0007004-006 Rev. 011 P0007004-006 Rev. 012	2/11/2011	1/1/2014
Morpho Detection ²	Itemiser DX	P0007018-014-TSA	8/24/2010	1/1/2014
Morpho Detection ²	Vapor Trace II (Particle Mode Only)	P0007019-005	5/14/2010	1/1/2014
Smiths Detection	Ionscan 400B	4812570-115 Rev. A1	5/14/2010	1/1/2014
Smiths Detection	Ionscan 500DT	4816800AE-201; 4816800AE-201-A	8/24/2010	1/1/2014
Smiths Detection	Sabre 4000 (Particle Mode Only)	4818100	5/14/2010	1/1/2014

¹ The Top Assembly Part Number is the only grandfathered configurations for each Device Model Number. Models with different part numbers are not considered grandfathered screening devices.

² Due to Morpho Detection's business acquisition of General Electric Homeland Protection, either company data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the grandfathered section.

³ The Itemiser 98 is an equivalent Device Model Number to the Itemiser II.

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Electronic Metal Detection (EMD) Devices

Manufacturer	Device Model Number	Required Top Assembly Part Number¹	Date Added	Expiration Date
Lock Inspection	Metalchek 30+	50899	5/24/2011	4/27/2013

¹ The Top Assembly Part Number is the only grandfathered configurations for each Device Model Number. Models with different part numbers are not considered grandfathered screening devices.