



U.S. Department of Homeland Security
Transportation Security Administration
6595 Springfield Center Drive
Springfield, Virginia 20598

May 7, 2025

Tiffany Costanza, Program Manager Smiths Detection Inc.
2202 Lakeside Blvd.
Edgewood, MD 21040

U.S. Department of Homeland Security
Transportation Security Administration
6595 Springfield Center Drive
Springfield, Virginia 20598

Subject: Confirmation of Equivalence of Smiths Detection Inc. Hi-Scan 6040 CTiX and CTiX Model S

Dear Sir/Madam,

The Transportation Security Administration (TSA) hereby confirms that the Smiths Detection Inc. Hi-Scan 6040 CTiX, which received TSL Level 1 certification on July 29, 2021, is now available in a new, more compact and lighter version, the CTiX Model S.

At the request of the TSA, the CTiX Model S was designed and tested in accordance with TSA Accessible Property Screening contract# 70T04020C9CRCA248 at the Transportation Security Laboratory (TSL) to confirm its equivalence to the original Hi-Scan 6040 CTiX. As submitted under developmental engineering proposal DEP-000247_C; the results of the Differential Regression Test demonstrated that the CTiX Model S meets the same detection performance requirements as the certified Hi-Scan 6040 CTiX - APSS v6.2, Level 1 (Accessible Property Screening Systems) - as referenced in File 2600.2 attached. As a result, the Smiths Detection Inc. Hi-Scan 6040 CTiX Model S, in its "as-tested" configuration with software version 20-52-00, constitutes a certified CPSS (Checkpoint Property Screening System).

Sincerely,


Jeffrey Quinones
APSS CT COR - Systems Engineer

Department of Homeland Security (DHS)
Transportation Security Administration (TSA)
Office of Requirements and Capability Analysis (RCA)
Analysis and Engineering (A&E) –
Requirements, Human Performance, and Engineering (RHPED)
Capability Development and Integration Branch (CDIB)

PRIMARY: 6595 Springfield Center Drive, (7th Floor) Springfield, VA 20598 – 6016
SECONDARY: TSIF, 3701 Post Office Rd, Washington DC; TESL rm 133

(o) 571-227-3404 | (c) 202-669-2072 | Jeffrey.quinones@tsa.dhs.gov



REQUEST FOR DEVIATION/WAIVER (RFD/RWF)				1. DATE (YYYYMMDD) 2024 11 20		<i>Form Approved</i> <i>OMB No. 0704-0188</i>	
<small>The public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.</small>							
<small>PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ADDRESS. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/ PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.</small>							
4. ORIGINATOR				b. ADDRESS (Street, City, State, Zip Code)		5. (X one)	
a. TYPED NAME (First, Middle Initial, Last) Tiffany Costanza				Smiths Detection, Inc. 2202 Lakeside Blvd. Edgewood, MD 21040		<input checked="" type="checkbox"/> DEVIATION <input type="checkbox"/> WAIVER <input checked="" type="checkbox"/> MAJOR <input type="checkbox"/> MINOR <input type="checkbox"/> CRITICAL	
7. DESIGNATION FOR DEVIATION/WAIVER				8. BASELINE AFFECTED		9. OTHER SYSTEM/CONFIGURATION ITEMS AFFECTED	
a. MODEL/TYPE HS 6040 CTiX	b. CAGE CODE 23667	c. SYS. DESIG. Chkpt CPSS	d. DEV./WAIVER NO. DEP-000247/C	<input checked="" type="checkbox"/> FUNCTIONAL <input checked="" type="checkbox"/> PRODUCT	<input type="checkbox"/> ALLOCATED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
10. TITLE OF DEVIATION/WAIVER Image Equivalence of the Reduced Sized CTiX							
11. CONTRACT NO. AND LINE ITEM 70T04020C9CRCA248				12. PROCURING CONTRACTING OFFICER			
				a. NAME (First, Middle Initial, Last) Melyssa Bertucci			
				b. CODE c. TELEPHONE NO.			
13. CONFIGURATION ITEM NOMENCLATURE Smiths HS 6040 CTiX (Model S)				14. CLASSIFICATION OF DEFECT			
				a. CD NO. b. DEFECT NO. c. DEFECT CLASSIFICATION			
				<input checked="" type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> CRITICAL			
15. NAME OF LOWEST PART/ASSEMBLY AFFECTED HS 6040 CTiX				16. PART NO. OR TYPE DESIGNATION 34503414			
17. EFFECTIVITY SN 190773				18. RECURRING DEVIATION/WAIVER			
				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
19. EFFECT ON COST/PRICE N/A				20. EFFECT ON DELIVERY SCHEDULE N/A			
21. EFFECT ON INTEGRATED LOGISTICS SUPPORT, INTERFACE OR SOFTWARE N/A							
22. DESCRIPTION OF DEVIATION/WAIVER Per TTA-6, TSA requested a reduced footprint CTiX to allow for more space around the equipment. Amendment C: Addition of Final Report for Differential Regression Test of the Smiths CTiX and Smiths Model S.							
23. NEED FOR DEVIATION/WAIVER Per the request of TSA, Smiths has provided Reduced Sized CTiX demo 34503414 HS 6040 CTiX from PT1. The attached documents demonstrates the equivalency of the current CTiX and to allow Smiths to move forward with using the Model S for further production.							
24. CORRECTIVE ACTION TAKEN N/A							
25. SUBMITTING ACTIVITY							
a. TYPED NAME (First, Middle Initial, Last) Tiffany Costanza		b. TITLE Program Manager		c. SIGNATURE Tiffany Costanza <small>Digitally signed by Tiffany Costanza Date: 2024.12.13 09:56:31 -05'00'</small>			
26. APPROVAL/DISAPPROVAL		a. RECOMMEND <input type="checkbox"/> APPROVAL <input type="checkbox"/> DISAPPROVAL		b. DISAPPROVAL			
b. APPROVAL <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		c. GOVERNMENT ACTIVITY					
d. TYPED NAME (First, Middle Initial, Last)		e. SIGNATURE 				f. DATE SIGNED (YYYYMMDD) 2024 12 16	
g. APPROVAL <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		h. GOVERNMENT ACTIVITY					
i. TYPED NAME (First, Middle Initial, Last)		j. SIGNATURE BRIAN T CAHILL <small>Digitally signed by BRIAN T CAHILL Date: 2024.12.16 07:53:32 -05'00'</small>				k. DATE SIGNED (YYYYMMDD)	

DD FORM 1694, AUG 96 (EG)

PREVIOUS EDITION MAY BE USED.

Designed using Perform Pro, WHS/DIOR, Aug 98



U.S. Department of Homeland Security
Transportation Security Administration
6595 Springfield Center Drive
Springfield, Virginia 20598

September 3, 2021

Tiffany Howland
Program Manager
Smiths Detection Inc.
2202 Lakeside Blvd.
Edgewood, MD 21040

Subject: Notification of Certification Approval - Smiths Detection Inc. Hi-Scan 6040 CTIX Computed Tomography (CT) Checkpoint Property Screening System (CPSS)

Dear Ms. Howland,

The Transportation Security Administration (TSA) is pleased to notify you that the Smiths Detection Inc. Hi-Scan 6040 CTIX CT CPSS, using detection algorithm version 20-52-00, has successfully completed Transportation Security Laboratory (TSL) Level 1 certification testing. The TSL completed the certification testing on July 29, 2021.

As a result, the Smiths Detection Inc. Hi-Scan 6040 CTIX, in its "as-tested" configuration with software version 20-52-00, constitutes a certified CPSS. This certification designation is based on the "Accessible Property Screening System (APSS) Detection Requirements, Version 6.2," dated October 3, 2018, and confirms this configuration meets the APSS v6.2, Level 1 detection rate and false alarm rate requirements for explosives.

In order to be considered for procurement by the TSA, the Hi-Scan 6040 CTIX must also be qualified. Qualification testing determines whether the system sufficiently meets system requirements beyond the detection and false alarm requirements. In the event any of the Hi-Scan 6040 CTIX configuration parameters are modified from the certified configuration, the system will likely require re-certification at the TSL.

My point of contact for this action is the CPSS Program Manager, Paul Burrowes. If you have any questions, please contact him at 571-227-4127 or via email at Paul.Burrowes@tsa.dhs.gov.

Sincerely yours,

ADAM P
CAUGHRAN

Digitally signed by ADAM P
CAUGHRAN
Date: 2021.09.07 11:31:22
-0400

Adam Caughran
Executive Director, Screening Systems
Acquisition Program Management

FILE: 2600.2