

KIV-79 TAM / iTAM

Test & Maintenance for the KIV-79 Mode 5 Cryptographic Appliqué

WebSec's Test Adapter and Monitor (TAM) and companion iTAM Test Application provides KIV-79 users with the ability to validate full functionality in compliance with AIMS 04-900A Option B requirements in either a standalone or fully integrated environment.



INNOVATE & DEVELOP

WebSec has created a unique niche by providing leading defense contractors with customized security software and hardware solutions for embedded, handheld, web-based, tactical, and stand-alone computer systems. We continue to bring secure technology solutions to the next generation of software and hardware devices.

We have been extensively involved in the development of Tier 2, Tier 2 ½, and Tier 3 devices, including SKL, RaSKL, TKL, DMD-PS, CUAS, and other associated COMSEC equipment and platforms.

Our background in the COMSEC development arena gives us the ability to offer comprehensive tools and solutions to meet the demands of modern key management and distribution.



SBA WOSB
Woman Owned Small Business

TAM / iTAM

- Complete Go/No-Go functional testing of KIV-79
- Full KIV-79 interface monitoring while in operation connected to a Mode 5 Interrogator or Transponder

MAINTENANCE FUNCTIONS

- Supplies power while changing battery with no loss of key
- Performs Firmware Updates to the KIV-79
- Checks Crypto and Key & Fill status post loading of keys
- Verifies zeroize functions
- Checks Battery voltage levels
- Checks Message Response timing and Clock Drift

MONITORING

- Captures high speed messages between Interrogator/ Transponder and KIV-79
- Verifies CRC-32 of CHSI message data
- Decodes to human readable format
- Captures all Mode 5 discrete signal transitions
- Data captured with 1 microsecond timing and can be displayed and saved to a file

LOGISTICS SUPPORT

- Simple and rugged
- Single USB-C connection to a Windows 10/11 Host PC to operate and power the KIV-79 under test
- TAM Device internal FW/PL can be updated over USB
- HW & SW is unclassified and non-CCI, so can be used in the factory, depot, field, OCONUS (ITAR handling is required for FMS)

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