

Joint Improvised-Threat Defeat Organization

JIDO Update

14 August 2018

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HELPING WARFIGHTERS ADAPT

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Joint Improvised-Threat Defeat Organization



Provide combat support to Warfighters countering-IEDs



Build partner capacity, networks, and relationships to counter improvised threats



JIDO enables the DoD to counter improvised explosives devices and emerging improvised threats in order to support Combatant Commands and deployed Warfighters



Enable Warfighters through technology, innovation, and outreach



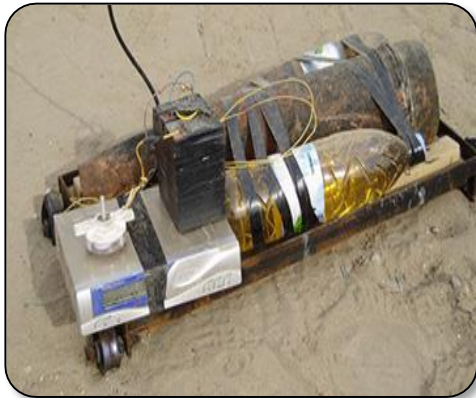
Develop Workforce and Leaders to enable JIDO future



Improvised Threats

JIDO

**Abundant, Cheap,
Easily Transformed**



**Constantly Evolving
Technology**



**Lethal and
Effective**



How do we define improvised threat?

“An adaptively applied tactical capability leveraged to provide a cascading impact against a friendly advantage.”

Success Story #1




In April 2018 JIDO trained Coalition forces at Resolute Support HQ to screen vendors using two technologies, the FIDO XT and Trace X.

No vendors had ever been screened for explosives.

- A: Hand-scanning at the Entrance Control Point.
- B: A replica antique telescope from the vendor's shop. The interior of the telescope was empty, and could have been packed with explosives.
- C: The actual vendor being scanned with the FIDO XT, which tested positive for trace explosives. Based on that result, they proceeded with further Criminal Investigation vetting.
- D: Chemical testing
- E: Iris scanning
- Pictures F and G are the FIDO XT and the TRACE X detection kits





Success Story #2



Trace Explosive Detection at the Kabul Enhanced Security Zone.

- A: Training the Check Point Commander on trace explosives detection using the FIDO X3. A random vehicle was chosen for inspection.
- B and C: Positive results for trace explosives found on the vehicle and on the driver's hands.
- D and E: The actual taxi that was swiped and tested positive.






Success Story #3




- HYBRID/HARVESTER is a JIDO funded program, partnered with Indian Head EOD Technical Directorate.
 - Handheld capability for rapid IED event reporting; USG Owned API.
 - Intended to enable the Virtual Advise and Assist model for working with international partners
 - Generates Unclassified reports with an automatic feed to OCONUS/CONUS DoD Stakeholders
 - U.S. Forces/EOD conducting missions and training with partner nations (US Army/Navy/USMC SOF/EOD)
- Currently, 77 kits deployed in CENTCOM (Iraq/Afghanistan), AFRICOM (Somalia, Cameroon, Tunisia)
- The real success has been giving US EOD/SF units the ability to conduct some rapid reporting on devices they are receiving at the labs or where they have only a limited amount of time with a device.

HYBRID MOD 1 EOD REPORTING TOOLKIT
Choose Smartphone or Tablet



BLU Studio X Plus D770U

- HYBRID KIT DOES NOT INCLUDE SIM CARD OR MOBILE SERVICE !
- GSM 850/900/1800/1900 & U.S. 3G 850/1700/1900
- DUAL SIM phone
 - 2 slots, 1 microSIM & 1 full size SIM
- Wi-Fi 802.11 b/g/n
- 5.5 inch LCD Touchscreen Display
- Resolution 720 x 1280 Pixels
- Android OS v5.0.2 (does NOT support restricted user accounts)
- Memory Internal 8 GB, 1 GB RAM
- Camera 8 MP, 3264 x 2448 Pixels (can focus as close as about 3")
- USB Micro v2.0



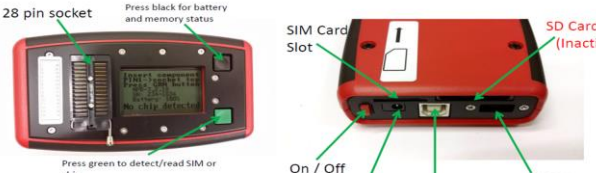
Samsung Tab Pro 8.4" SM-T320

- NOT A CELLULAR DEVICE
- Wi-Fi 802.11 b/g/n ONLY
- 8.4 inch LCD Touchscreen Display
- Resolution 1600 x 2560 pixels
- Android OS 4.4.2 (supports restricted user accounts)
- Memory Internal 16 GB, 2 GB RAM
- Camera 8 MP, 3264 x 2448 pixels (can focus as close as about 2")
- USB Micro v2.0

HYBRID MOD 1 App v3.2.16.3

- App is fully tested on these two hardware platforms
- App supports foreign character font sets in the text blocks (Has been tested so far with Dari, Pashto, and Arabic downloadable keyboards)
- Same user data fields and operation as earlier HYBRID MOD 0 kit, uses JIDA WTI section
- Unclassified reports sent out via Internet, end user can add email addresses to distribution list
- Reports can be pushed to INJURE/NIMS/CIDNE/other

HARVESTER MOD 1



28 pin socket, Press black for battery and memory status, SIM Card Slot, SD Card Slot (Inactive), On / Off, DC Power (Inactive), USB Type B (Inactive), USB Port (to connect to phone/tablet)

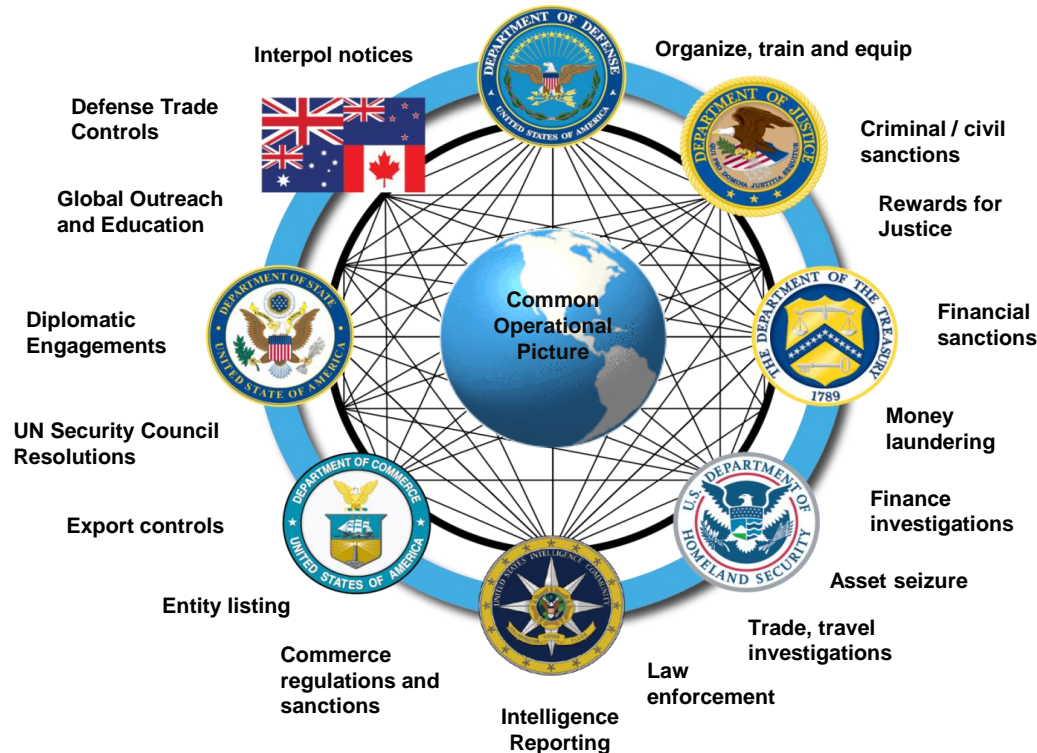
- Auto-detects/reads about 160 integrated circuits & micro-controllers
- Operates on 9V battery
- Reads up to 6 unlocked SIMs before memory is full
 - Captures IMSI, ATR, SPN, ICCID, LOCL, GPRS LOCL, ADN LIST, SMS LIST
- Number of chip reads depends on chip memory size
- Upgrades from the MOD 0 Harvester
 - RGB display, turns red if memory full or battery low



Enable DoD Responses to Improvised Weapons



Leveraging the access, tools and authorities of all partners to counter improvised threats



- U.S. Government
- Intelligence Community
- Industry
- International Partners
- Academia
- Think Tanks
- Private Sector

Access — Authorities — Collaborate — Coordinate — Leverage
“It takes a network to defeat a network.”

