



# RED OPS



RESPONSE & DEFEAT OPERATIONS SUPPORT




## ACCESSING BOMB SQUAD TEST BED REPORTS AND DIY/3D PRINTER TOOLS ONLINE

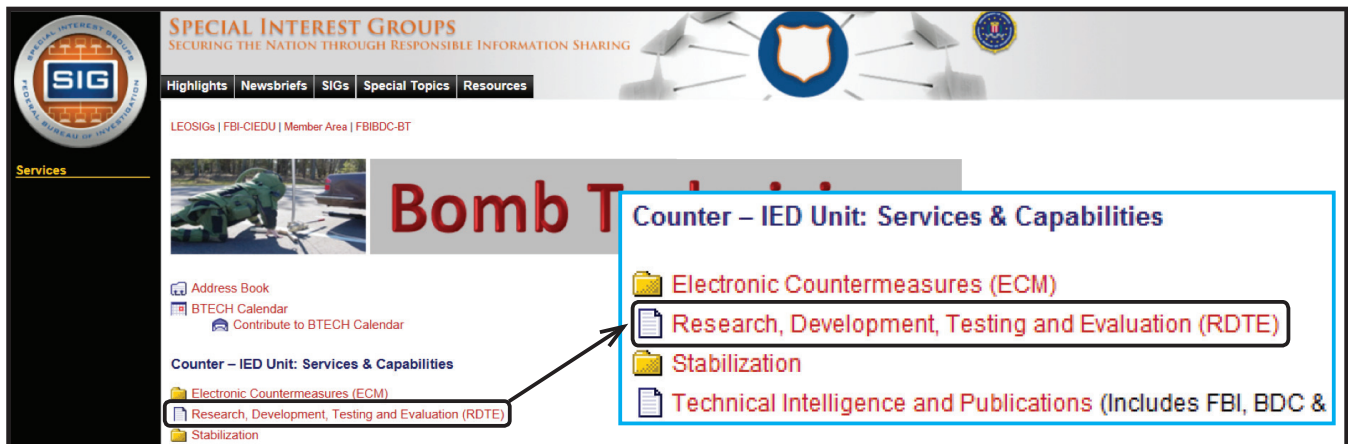
LEEP Technical Support (24/7): 888.334.4536 (domestic), 225.334.4536 (international), or helpdesk@leo.gov

**Step 1:** Log in to the Law Enforcement Enterprise Portal (LEEP), www.cjis.gov.

**Step 2:**   From the LEEP Home page, click on the Special Interest Group (SIG) icon to display your SIG memberships (My SIGs).

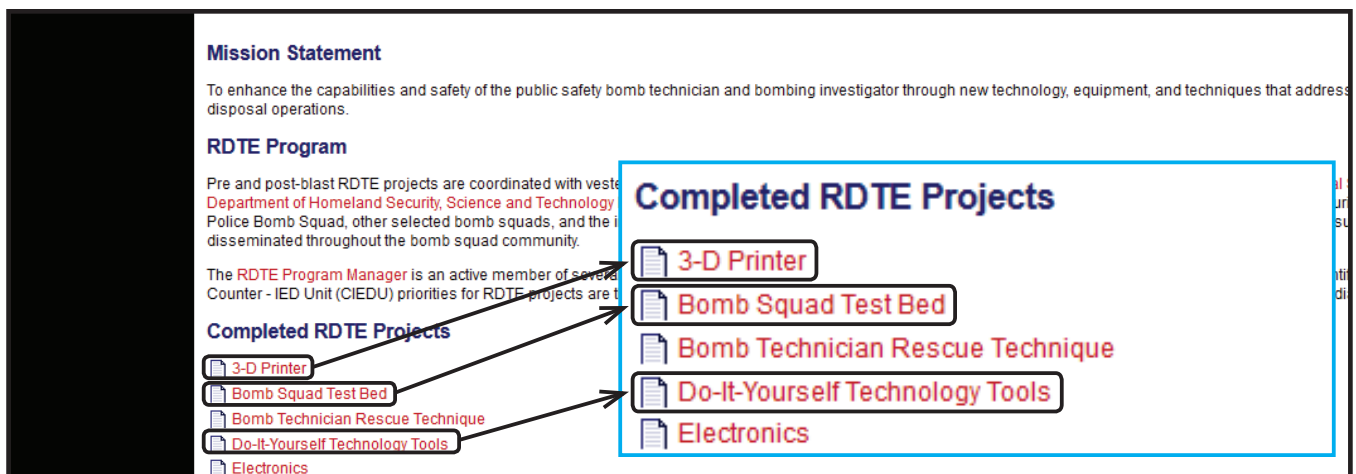
**Step 3:**  Under the FBI Counter-IED Unit (FBI-CIEDU) icon, click on Member Area and select Bomb Technicians (Restricted Access). NOTE: The FBI-CIEDU SIG has a role-based access structure. Membership requests may be sent to the FBI-CIEDU SIG Moderator at fbi-ciedu-mod@leo.gov.

**Step 4:** Under Counter-IED Unit: Services & Capabilities, click on the Research, Development, Testing, and Evaluation (RDTE) link to display the RDTE page.



The screenshot shows the 'SPECIAL INTEREST GROUPS' website. The breadcrumb trail is: LEOSIGs | FBI-CIEDU | Member Area | FBIBDC-BT. The main heading is 'Bomb Technicians'. A blue box highlights the 'Counter - IED Unit: Services & Capabilities' section, which contains a list of services: Electronic Countermeasures (ECM), Research, Development, Testing and Evaluation (RDTE), Stabilization, and Technical Intelligence and Publications (Includes FBI, BDC & ...). A red box highlights the 'RDTE' link in this list. A red box also highlights the 'RDTE' link in the 'Counter - IED Unit: Services & Capabilities' list on the left side of the page.

**Step 5:** Once on the RDTE page, scroll down to the **Completed RDTE Projects** heading and select either the **Bomb Squad Test Bed** link, the **Do-it-Yourself Technology Tools** link, or the **3-D Printer** link. **See reverse side of sheet for list of reports.**



The screenshot shows the 'RDTE Program' section of the website. The 'Completed RDTE Projects' list includes: 3-D Printer, Bomb Squad Test Bed, Bomb Technician Rescue Technique, Do-it-Yourself Technology Tools, and Electronics. A blue box highlights the 'Completed RDTE Projects' section. Red boxes highlight the '3-D Printer', 'Bomb Squad Test Bed', and 'Do-it-Yourself Technology Tools' links in both the list on the left and the larger list on the right. Arrows point from the red boxes on the left to the red boxes on the right.

# AVAILABLE REPORTS

CURRENT AS OF MAY 2020

REPORT SUBJECT	DATE
<b>ECM</b>	
REBUS Assessment	Apr-16
<b>DETECTION TECHNOLOGIES</b>	
Cell Phone Detection	Aug-11
XD-5 Explosive Detector	Dec-11
<b>VBIED RESPONSE</b>	
VBIED Response Experimentation	Jan-19
VBIED Immediate Action Tools Assessment	Jun-17
Laminated Window Access Performance Validation	May-14
Cold Weather Laminated Window Breaking	Sep-13
Laminated Window Breaking	Aug-12
<b>RSP TOOLS</b>	
IED Response Experimentation Fairfax	Aug-19
Tactical Bomb Technician (TBT) Response Experiment	May-19
Tactical Bomb Technician (TBT) Response Experiment Tactical Focus	May-19
SAPBER-MEDN Comparative Assessment	Apr-14
Stand-alone Pipe Bomb End-cap Remover (SAPBER) Assessment	May-12
Power Hawk Assessment	Mar-10
<b>ROBOTS</b>	
Medium Robots Comparative Assessment Summary Individual Attachments: Endeavor Packboy, Icor Mini Caliber, Icor MK3 Caliber, Icor T5, Med-Eng Avenger, Med-Eng Digital Vanguard, Remotec Titus, Telerob Hybrid	Jan-20
Small EOD Robot Comparative Assessment Summary Individual Attachments: Endeavor 310, QinetiQ DR20, Roboteam MTGR, RoboteX Avatar	Jun-17
Reconnaissance Robot Comparative Assessment Summary Individual Attachments: Endeavor 110, Nexter NERVA, QinetiQ DR10, ReconRobotics Throwbot, Roboteam IRIS	Jun-17
VBIED Robot Capability Assessment Summary Individual Attachments: Cobham Telemex, Icor MK3, Icor T5, iRobot 510 Packboy, iRobot 710 Warrior, QinetiQ Talon, Remotec F6B, Remotec HD SEL, Remotec Mark 5A1-J, Remotec Wolverine	Mar-15
<b>ROBOT TOOLS</b>	
Gripper Tools Assessment Individual Attachments: Edge Tactical Systems, ICOR, Ideal Products, Rail Attached Flexible Tool (RAFT), Stratom	Jul-16
VBIED Tool Kit	Feb-12
Body Bomb Tool Kit	Aug-11
<b>DISRUPTORS</b>	
Disruptor Aiming Assessment	Jun-19
Short-Barrel Disruptor Assessment Summary Individual Attachments: CTS Lance, CDC CarbonFire10, Ideal Products 73, Proparms Merlin, Royal Arms, Zero Point	Apr-18
Comparative Disruptor Assessment Summary Individual Attachments: Ideal Products K100/T3, Zero Point Titan, AB Precision ABL 2000L, Chemring RE12g Mini, CTS Lance, Proparms Wizard, Royal Arms RADC-24	Jun-17

REPORT SUBJECT	DATE
<b>X-RAY</b>	
ANSI N42.55 X-ray Summary Individual Attachments: Cuattro 1012N, 1417N, 1717, and 1751LFD; Logos STENOS 1417 and XIROS 1212; NeX-Ray FPX nano; NOVO 15 and 22, SCANNA 2430, 2430H, and 3643; SRV 1417, X1012	Jan-20
Dismounted X-ray Systems Comparative Assessment Summary Individual Attachments: 3DXRay, ICM Flatsan 15, Leiods RTR-5, Logos NEOS III, NeX-RAY FPX, NOVO 15, Open Vision, PARC, Scanna Scansilc 2530W, SmartRayVision SRV X1012, Vidisco SparX, Xris DereO Up	Jan-18
Portable X-ray Systems Comparative Assessment Summary Individual Attachments: 3DXRay, Analysed Images ultraScan 433gR, ICM Flatscan 30, Leidos Lare, Logos ORAMA II, NeXRay MMX, NOVO 22, Scanna Scansilc 3643 EOD, SRV X1417, Vidisco Alpha, XRS 4040	Jan-18
X-ray Pulse Controllers Summary Individual Attachment: WMDTech Jolt II, RSL JOLT III, Tactical Electronics JOLT Pro, WMDTech SMRT II, Golden XR150 & XRS-4	Sep-16
<b>REMOTE FIRING DEVICES</b>	
Remote Firing Device Assessment Summary Individual Attachments: BlasterOne, Chemring, MAS Zengrange, PAE ARFS, Rothenbuhler, Sericore	May-18
<b>sUAS</b>	
Indoor UAS Assessment Summary Individual Attachments: Flyability Elios, Autel Evo, DJI Mavic Air, DJI Mavic 2 Enterprise, DJI Mavic Pro, Ryze Tello	Jun-19
UAS Workshop	Jan-19
<b>OTHER TECHNOLOGIES</b>	
Through-Wall Human Detection Assessment Summary Individual Attachments: Camero XAVER 100, Camero XAVER 400, L3 Harris RANGE-2D Link, NovoQuad ND-SV004, Retia POLR-1, SpecOps Cyclops 2020, SpecOps Group X3 Finder	Apr-20
Underwater Cutting Tools Assessment	Jan-19
<b>FBI SPECIAL TECHNICIANS BULLETINS</b>	
Micro Cutter	May-17
Robot Deployed Shock Tube Dispenser	Jan-16
Shock Tube Dispenser	Apr-15
Laminated Glass Breaching	Mar-15
<b>RECENT MICRO NOTES</b>	
X-ray Plate Eraser	Apr-20
Tennis Ball Car Door Adapter	Apr-20
Disposable Grid Aim Board	Apr-20
Treble Hook Car Door Opener	Apr-20
Zipper Punch	Apr-20
HAL Car Door Opener	Apr-20