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Nuclear/Radiological Outreach



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Weapons of Mass Destruction Directorate
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Overview

- FBI Jurisdiction
- WMD Directorate
- Nuclear Site Security Program
- Research & Test Reactor Outreach
- Threat Awareness
- Summary

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FBI Jurisdiction

- FBI is the designated lead agency for criminal investigation of terrorist acts or terrorist threats inside the U.S. (NSPD-5)
- FBI's highest priority is to detect, prevent and/or disrupt terrorist activities involving WMD
- FBI also coordinates related activities of other members of the U.S. law enforcement community
 - National Joint Terrorism Task Force (point-of-fusion for 48 agencies with access to well over 100 databases)
 - 106 JTTFs in the 56 field offices and 50 resident offices
 - NJTTF Campus Liaison Initiative

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FBI HQ - WMD Directorate

- The WMD Directorate coordinates all aspects regarding FBI's WMD responsibilities
- Coordination involves:
 - Other FBI HQ Divisions (e.g. Counterterrorism, Laboratory, Critical Incident Response Group)
 - 56 FBI Field Offices
 - 61 Legal Attaches and international partners
 - Other agencies as needed

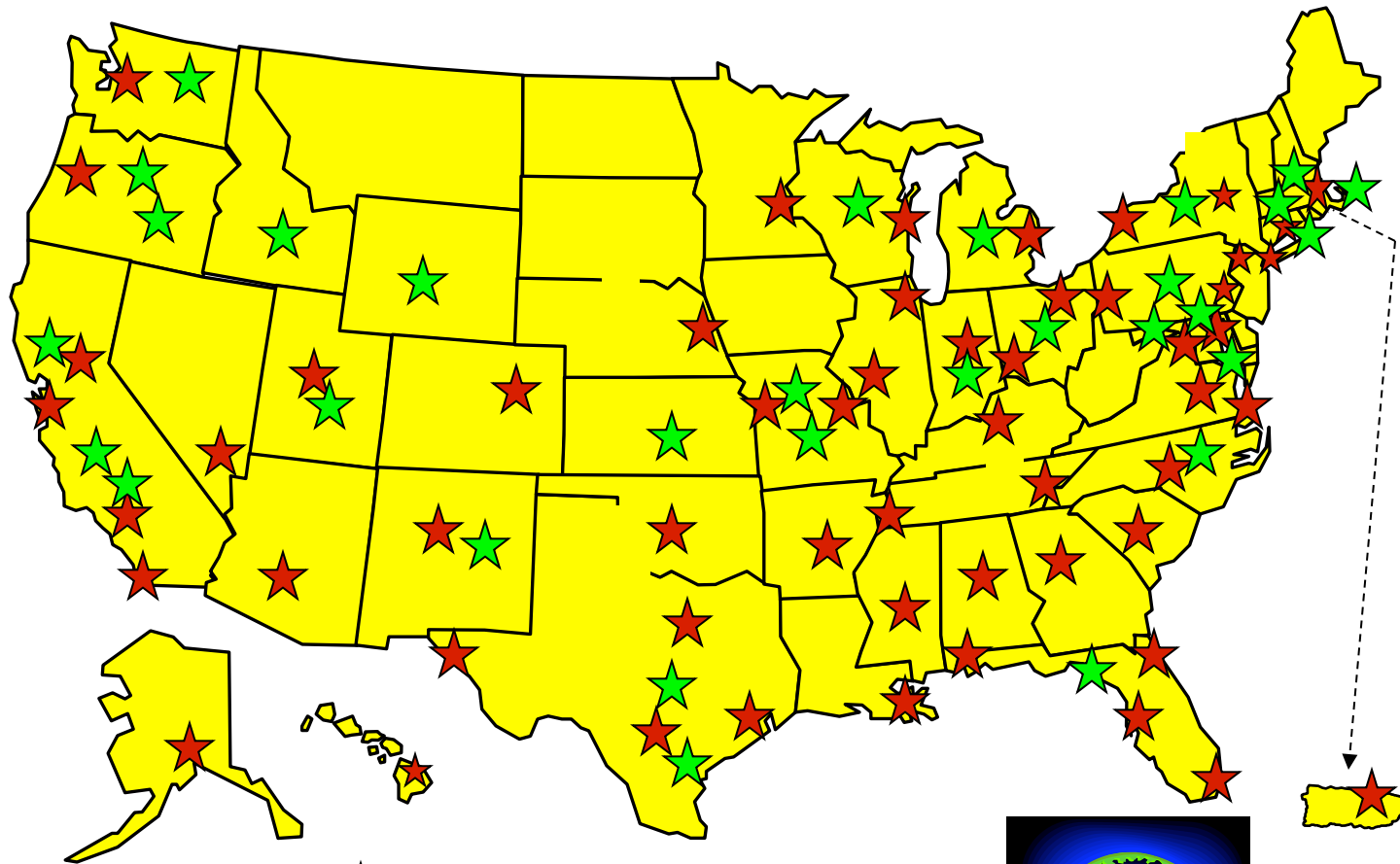
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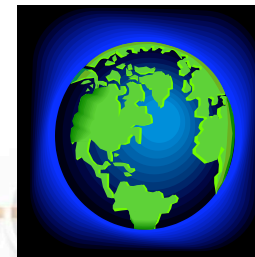
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FBI Field Offices



★ 31 RTR
Locations

★ 56 Field Offices
400 Resident Agencies



61 LEGATs





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WMD Coordinators

- WMD Coordinators are located in all 56 field offices
- Contacted by state and local emergency responders when confronted by a WMD threat or incident
- Act as a conduit to FBI-HQ and the Federal government for technical information, advice and assistance
- Emphasis on pre-event planning and prevention
- Liaison with Federal regional counterparts, and state, county and local response agencies

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Threat Credibility Evaluation

Consult with
FBI assets



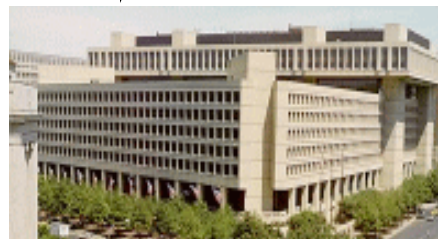
Consult with external assets
(as needed)

Threat
Credibility
Evaluation
Conference
Call



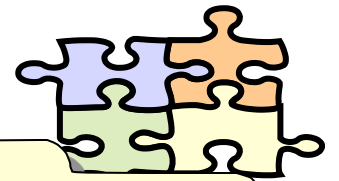
Threat or
Incident

Initial Notification
to WMDOU

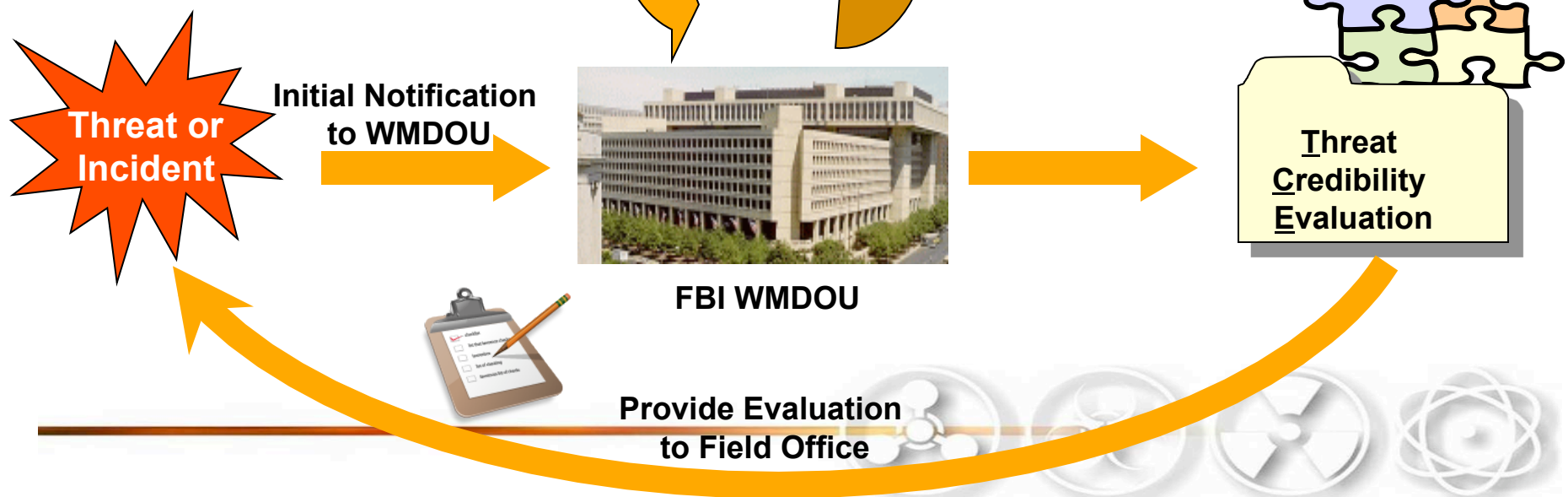


FBI WMDOU

Threat
Credibility
Evaluation



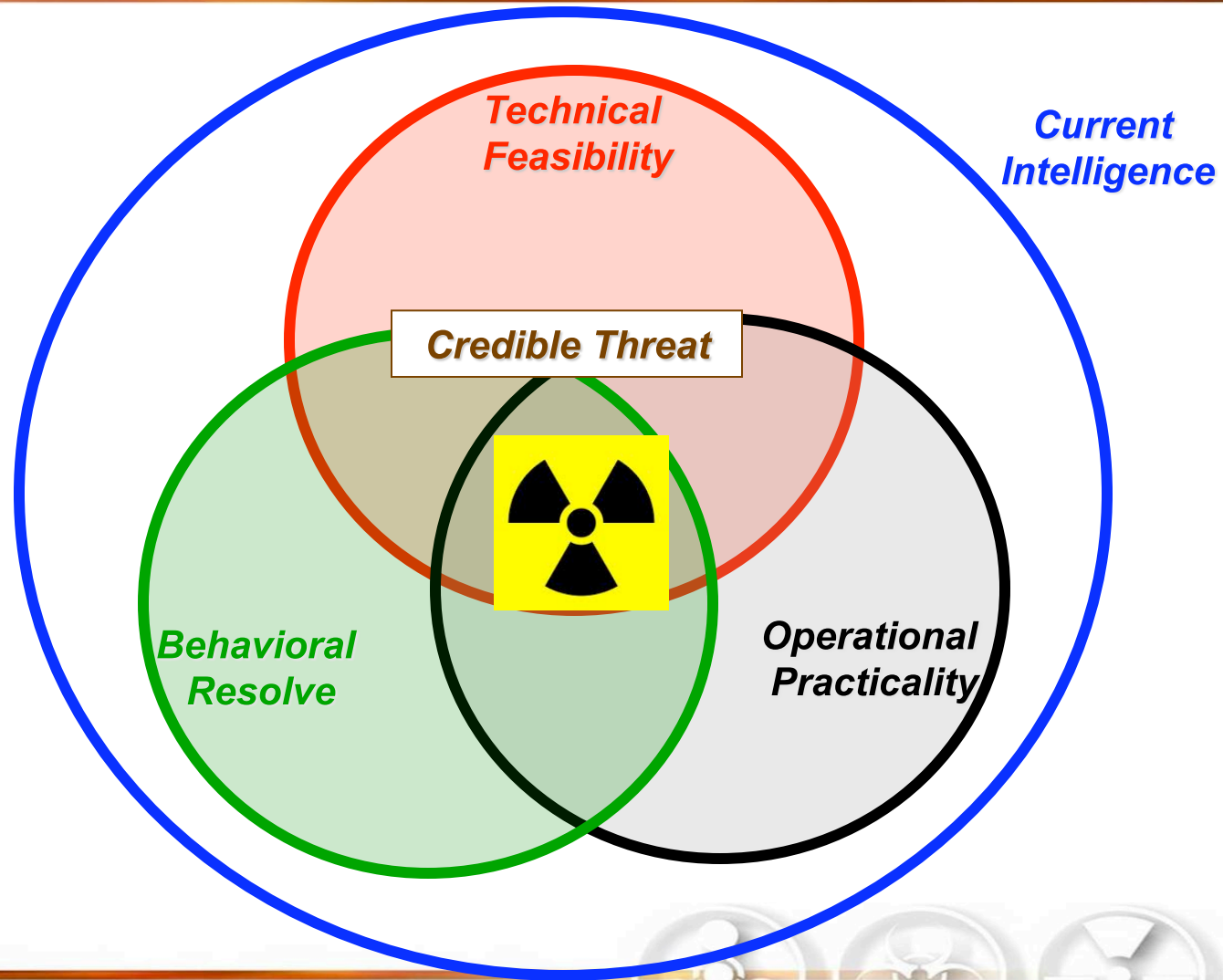
Provide Evaluation
to Field Office





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Threat Credibility Evaluation Process





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Nuclear Site Security Program

- Ensures that FBI Field Offices are familiar with the nuclear facilities in their territory and have compatible, well-coordinated and exercised plans in place for response to nuclear facility emergencies

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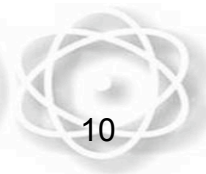


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Program Elements

- Interagency coordination
- Facility familiarization
- Continuing liaison
 - Facility management & security
 - Local First Responders
- Coordinated contingency plans
- Joint exercises & training

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RTR Outreach

- FBI field offices directed by FBI-HQ to conduct visits to RTRs
- Purpose of visits:
 - Gain facility familiarization, and understanding of the security requirements and technology
 - Establish liaison with key facility personnel
 - Open lines of communication regarding threat/incident reporting

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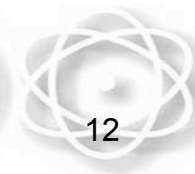


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RTR Outreach (cont'd)

- Independent initiative of other USG programs, (i.e. DHS/DOE/NRC), however, there is coordination:
- Additional outreach conducted jointly, e.g. Silent Thunder Tabletop Exercise (TTX) Program
- FBI Agents attending Y-12 Plant in Oak Ridge, TN for Alarm Response Training

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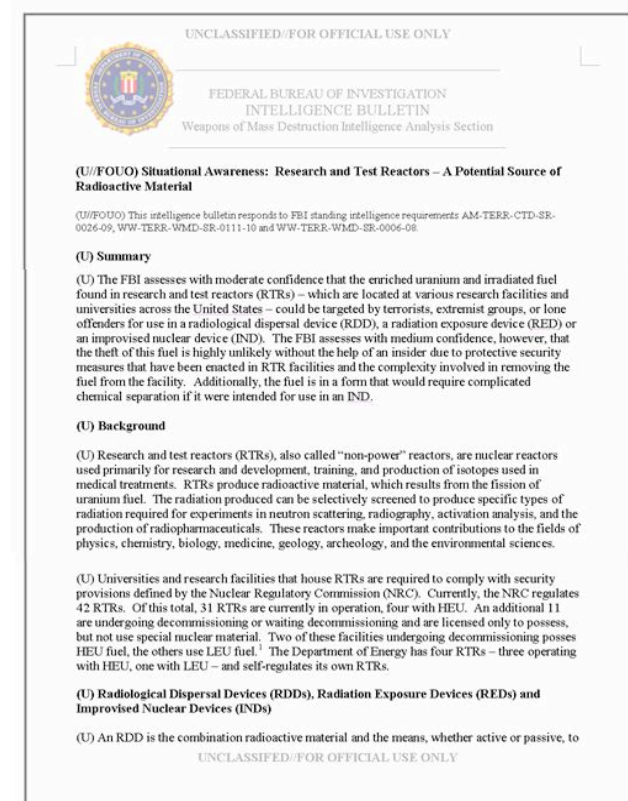




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RTR Intelligence Bulletin

- Increase FBI Domain Awareness
- Assist WMD Coordinators in Outreach
- Raise OPSEC Awareness
- Details
 - RTRs potential source LEU or HEU
 - NRC regulate 42 RTRs
 - 31 RTRs in operation
 - 4 contain HEU
 - 11 undergoing decommissioning
 - DOE has 4 RTRs
 - 3 with HEU
 - 1 with LEU
 - HEU to LEU conversions



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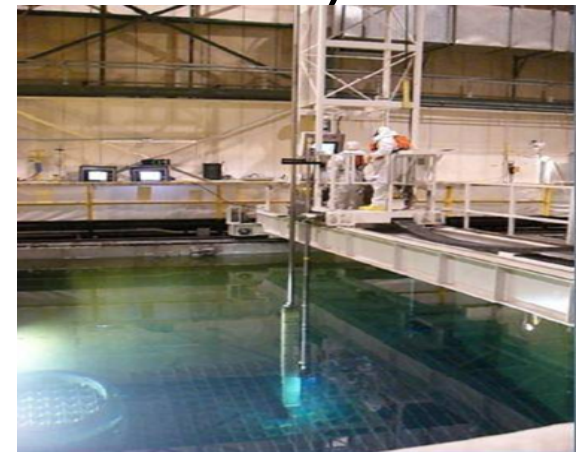


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Threat Awareness

- Terrorist Interest Persists
- Potential Emergent Threat
 - In-situ RDDs (Radiological Dispersal Device)
 - At storage and end use locations
 - During source transit
 - Decreases detection probability
- Domain Targets
 - RTRs HEU and LEU
 - What is perceived vulnerable



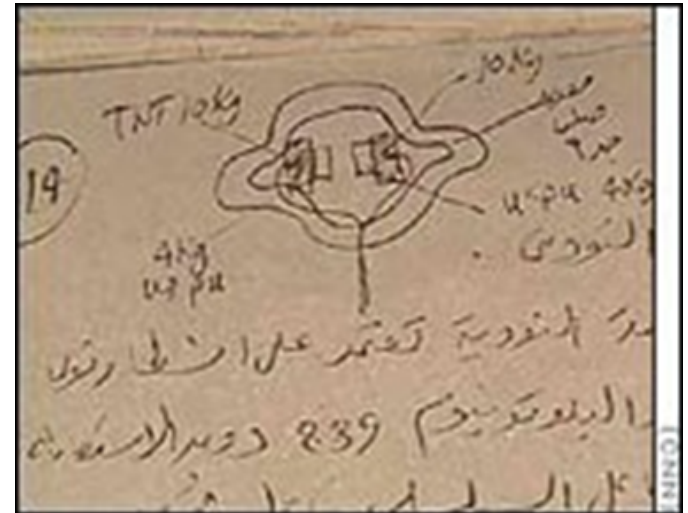
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Indicators and Warnings

- Potential vulnerabilities
- Incidents occurrence
- Targeting and probing
- Internet traffic
- Accessibility
- OPSEC awareness
- Threat awareness



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Case Study 1: Sharif Mobley

- Arrested in Yemen in March 2010 on al-Qa'ida related terrorism charges
- Worked as a laborer at several U.S. nuclear power plants (NPPs) from 2002 to 2008
- Allegedly killed a Yemeni guard during an escape attempt
- Terrorism charges dropped, now charged with murder
- Currently in the custody of the Yemeni government



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Case Study 2: Cesium-137 at University

- Apparent attempted theft of Cesium-137 from a liquid scintillation counter in 2008
- 600lb counter was found upside down on the floor in a damaged condition
- Rear access panel that was held in place by 8 screws was removed
- Scintillation counter was kept in an unlocked room

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Case Study 3: Gamma Knife at University

- Visiting physician from Egypt was seen leaving the gamma knife room with a screw driver
- Physician had access code to room but was not authorized unescorted access
- There were scratches on the back of the gamma knife; however, they might predate the event
- The 16 inch flathead screwdriver was reportedly used to attach a camera to a laptop
- Individual terminated from program



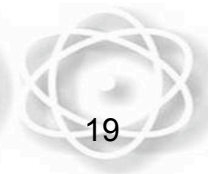
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Case 4: Access Incident

- Security system bypassed
- Shared access cards
- Unauthorized entry
- Entry door left open
- Corrective measures



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Summary

- Terrorist Interests Persist
- FBI Jurisdiction
- Nuclear Site Security Program
- RTR Outreach
- Indicators
- Emergent Threats

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