(S//REL) Chinese EXfiftfate Set/sitive Military Technology



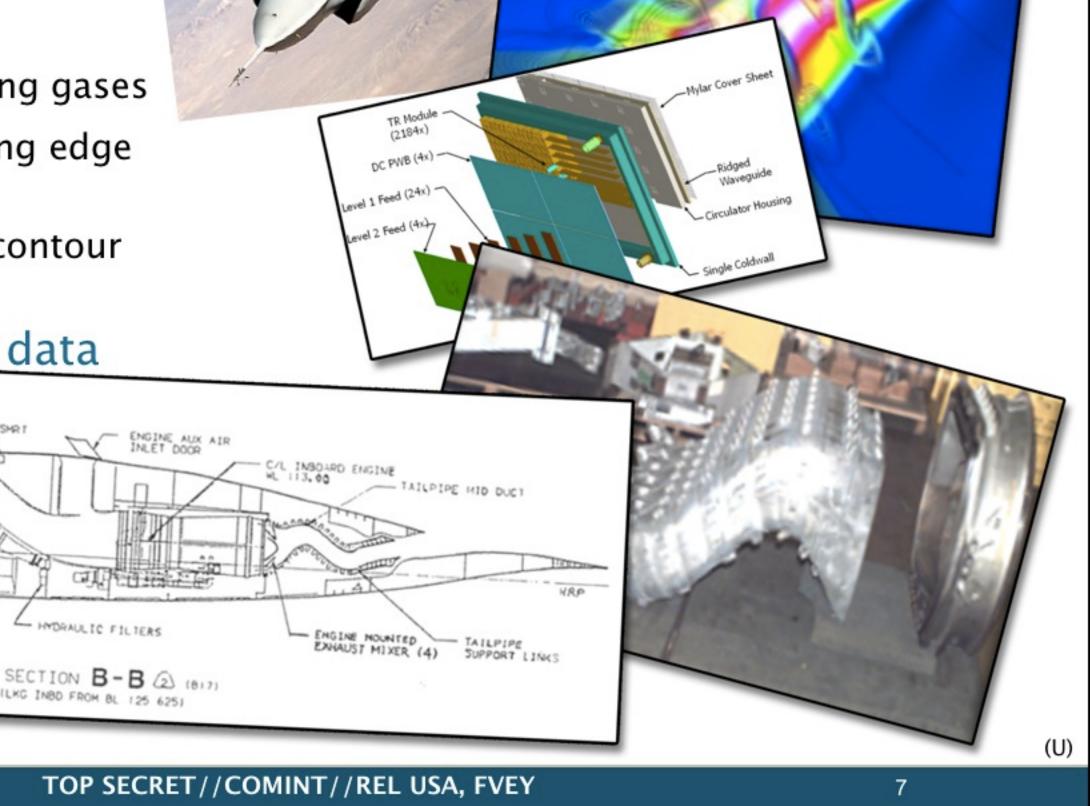
- (U) Acquired radar design
 - (U) Numbers and types of modules
- (U) Detailed engine schematics
 - (U) Methods for cooling gases
 - (U) Leading and trailing edge treatments
 - (U) Aft deck heating contour maps

• (U) Mapy terabytes of data

RADAR BAY

AIR CYCLE MACHINE

stolen



(S//REL) BYZANTINE HADES Causes Serious Damage to DoD Interests



(S//REL)

(S//REL)
Resources
Expended
Towards
Response to
Attacks
(S//REL) Personnel,
Network, Logistics
Data, Compromises

- At least +30,000 Incidents/+500 Significant Intrusions in DoD Systems
- At least +1600 Network Computers Penetrated
- At least 600,00 User Accounts Compromised
- +\$100 Million to Assess Damage, Rebuild Networks
- USPACOM: Air Refueling Schedules (CORONET) USTRANSCOM: Single Mobility System (SMS)
- U.S. Air Force: 33,000 General/Field Grade Officer Records
- Navy: Over 300,00 User ID/Passwords Compromised
- Navy: Missile Navigation and Tracking Systems
- · Navy: Nuclear Submarine/Anti-Air Missile Designs

(S//REL) Science & Technology Export Controlled Data

- International Traffic and Arms Restrictions (ITAR) Data
- Contractor Research & Development
- Defense Industrial Espionage
 - B2, F-22, F-35, Space-Based Laser, Others

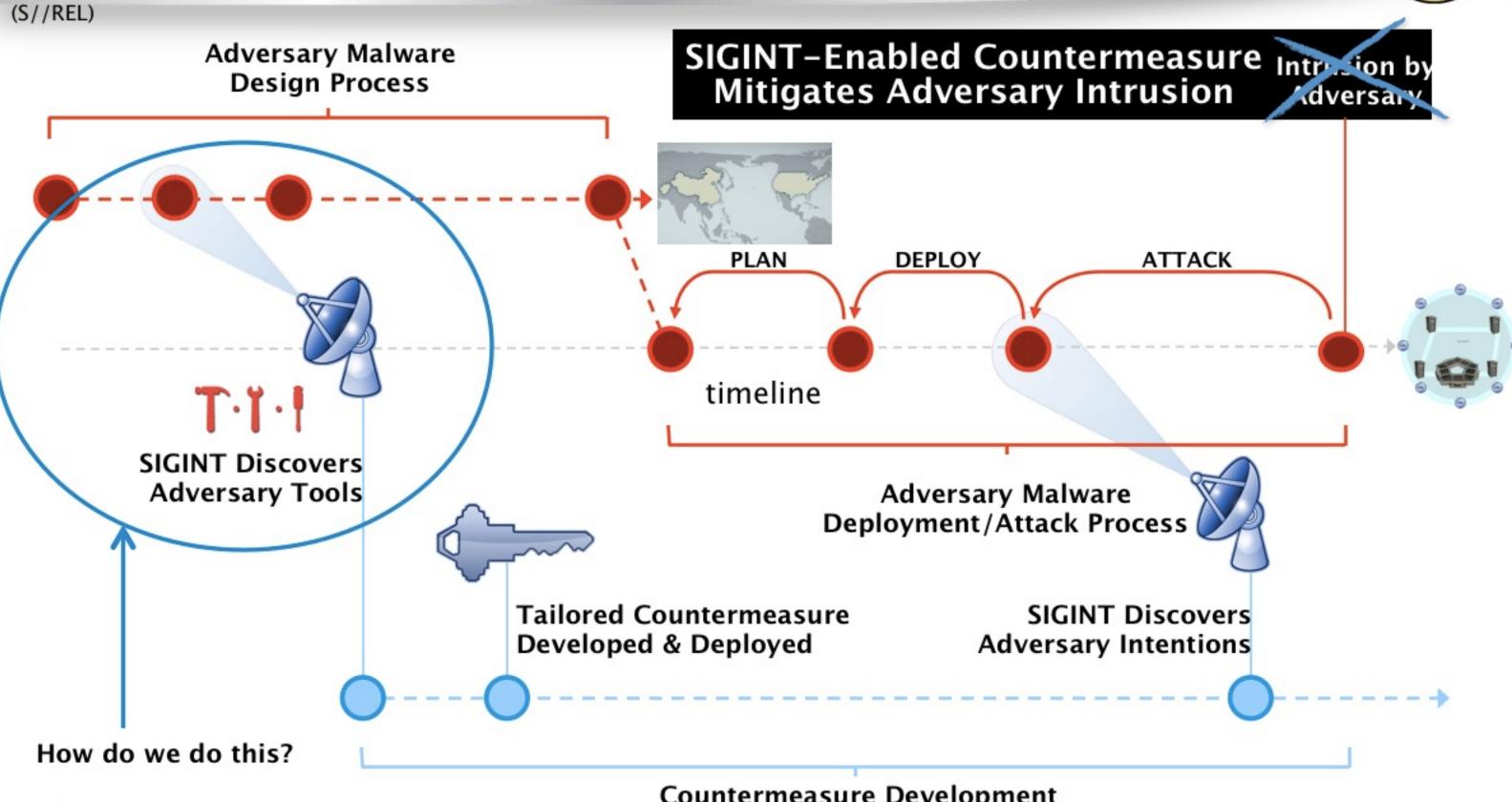
(S//REL)

(S//REL) Estimated Equivalent of Five Libraries of Congress (50 Terabytes)



(U) Cyber Attack to Mittigation Timelines





Countermeasure Development

(S//REL) How do we use SIGINT to discover Malware during the design process?