SPAWAR Systems Center San Diego

Rapid Imagery Intelligence Transmission

Rapid Imagery Intelligence Transmission Overview

Rapid Production, Dissemination, & Display of Imagery-Derived Information by Near-Real Time Reference, Broadcast, & Display Services

Vision

- Re-engineer the imagery reporting process to support time-sensitive/time-critical decision making and mission execution
- Try to minimize impact on Imagery Analysts who are already overtasked through the Exploitation Report Manager (ERM) module
- ERM provides well-defined interfaces for integration with COTS Electronic Light Table (ELT) applications
- Operationally transition the ERM to serve as NIMA's Exploitation Report Management Services under the USIGS architecture

Background

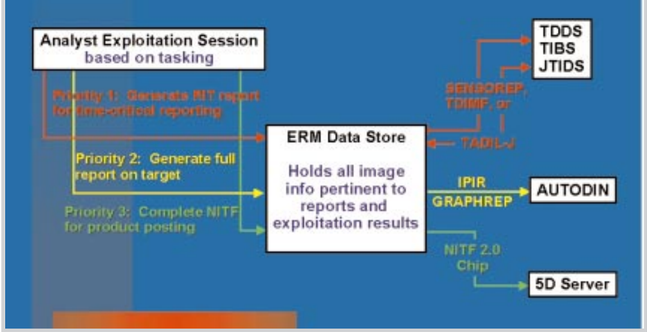
RIT Phase I: Reporting Focus
- Desert Shield Need Rapid Imagery Info
- Arbitrary ELINT Notation (AEN)
- TACELINT Cumbersome, SENSOREP Alternative

RIT Phase II: Receive Focus
- Need For Useful Product On Receiver End
- Need to reduce workload on IA - concept of ERM

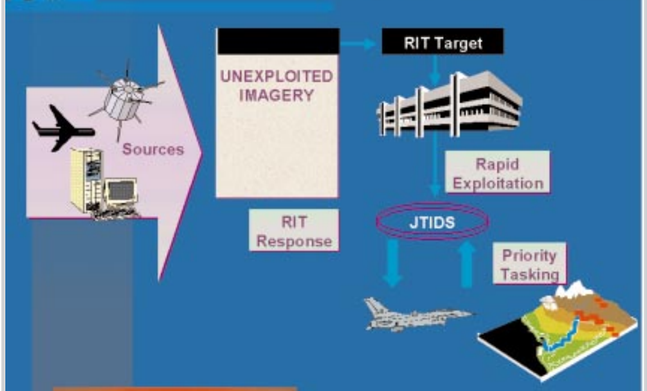
RIT Phase III: Mobile Targets
- Use of theater collection asset
- Measure end-to-end timeliness for potential support to mobile targeting

Exploitation Report Manager (ERM)

Concept of "one exploitation session--multiple reports"



Phase IV: TIIS Tactically Interactive IMINT Support



Impact On Warfighter

- Get inside the Ops planning/execution cycle
  - Intel more responsive
  - Increase likelihood of destroying mobile targets
  - Stay inside enemy's OODA loop
- Keep National imagery inside tactical targeting cycle
- Knowledgeable "Exploitation" of Imagery
  - More imagery than people, prioritize production based on mission execution intelligence requirements
- Knowledgeable "pull" of imagery saves comms time

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