PM DCGS-A
Army Intelligence Industry Day

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DCGS-A Industry Topics

- Immediate Opportunities
  - Joint Tactical Terminal Next Generation
    - Integrated Broadcast Service (IBS) Receipt and Transmit terminal
  - Capability Drop 2
    - Next-generation strategic-level Data management solution

- FY20+
  - Tactical Intelligence Targeting Access Node (TITAN)
    - Space, High-Altitude and Aerial
  - Intelligence Applications & Convergence to Common Operating Environment

TITAN

Current Systems

ADV
SIGINT
GEOINT

RGT
GEOINT

TGS
GEOINT

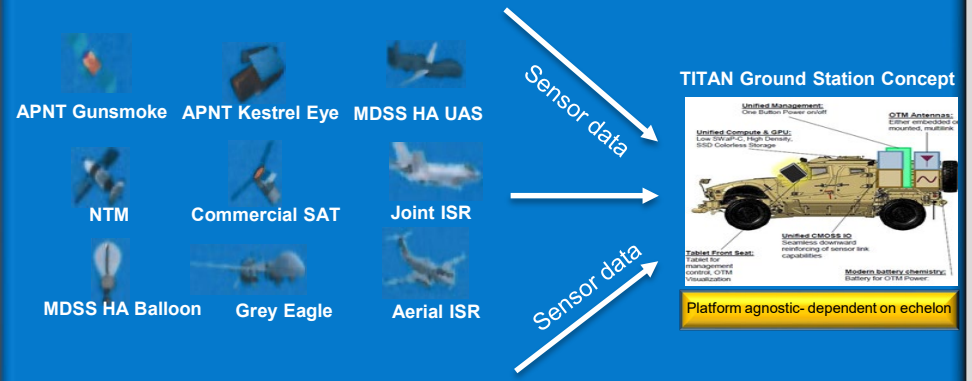
OGS
SIGINT
GEOINT

Imperatives

- Supports LRPF deep sensing
- Accelerate the sensor to Shooter timeline & interoperability with fires ICW LRPF & APNT CFT
- Assured access to Overhead Systems Commercial and Army Space Sensors ICW APNT CFT
- Sensor control (Level of Interoperability 3) for all Army owned ISR Platforms and responsive tasking for NTM & Commercial LEO
- Unify space, aerial and terrestrial layers to become a universal Ground station or "catchers mitt" for ISR data

Tactical Intelligence Targeting Access Node (TITAN)

A scalable and modular ground station that supports deep sensing and provides real time targeting data to support LRPF. Enables federation of organic Army Aerial and Terrestrial sensors with assured access to National, Commercial and Army space sensors.



(U) Areas Industry Can Help

- **Vehicle Integration challenges**:
  - Implement MOSA; Simplify "System of Systems" management (power on/off, error reporting, etc.); Implement a modular RF architecture to reduce component clutter; Automation to reduce network configuration time; Support multiple vehicle types for a family of systems with a common architecture
- **SWaP-C**:
  - Reduce the number of unique capability solutions, reduce the overall physical profile and power needed
- **OTM:**
  - Provide Expeditionary and On-The-Move capabilities
- **Storage/Fusion**:
  - Integrate scalable IO, storage, and processing bandwidth to handle space and future sensor ingest requirements
- **SW and AI/ML**:
  - Integrate AI/ML capabilities for automated tipping and cueing; Containerization of applications to ease integration, management and accreditation
- **Accreditation:**
  - Improve software architecture and orchestration to simplify accreditation and sustainment
- **Interoperability**:
  - Integrate new sensor discovery protocols to allow ground stations to share sensor capabilities
  - Make it interoperable and aligned with the future data architectures and CPCE