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
(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

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**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

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**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.

**Current Systems**

- ADV SIGINT GEOINT
- ADT SIGINT GEOINT
- TGS GEOINT
- OGS SIGINT GEOINT

**Tactical Intelligence Targeting Access Node (TITAN)**

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