Overview

• Digital Directorate overview
• 2021 priorities
• Program vignettes
• Recent/potential new programs
• Q&A
**Mission:** Expedite delivery, and effectively support, warfighting battle management systems in partnership with users and industry*

**Vision:** Our people make the Digital Directorate the most proactive and effective DoD life cycle management organization.

### 2021 Priorities

- Taking care of our people and executing our mission
- Defense assisted acquisition
- Speed, innovation, and technology

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**DIGITAL DIRECTORATE**

Scope and Mission Areas

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**3935 Total Manpower**

**$11B Total AY & FMS**

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*... and promote modern software development across the Air Force*
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Taking Care of Our People & Executing Our Mission

• Our leaders focus on taking care of people & executing the mission—people and mission are an interdependent priority

• Keeping our people safe during the pandemic and promoting resiliency

• Executing our mission despite COVID-19

• Learning and becoming experts on our systems & programs; directly engaging on program issues & actively mitigating risks

• Tracking and scoring critical events—currently ~89% on-time/early

• Periodically shoring up our fundamentals—”backstopping”
Defense Assisted Acquisition

- We execute DAA projects/programs assigned and stand ready for more

- Documented PEO-level ASPs to ensure the auditability of our decisions and share lessons-learned across project teams

- These projects are also a great opportunity for learning and gaining experience
DPA Support of DHHS

HBN: Puritan Medical
Flock Tip Swabs

HBS: Vapotherm HF
Nasal Cannula

HBQ: Teel Plastics Swabsticks

HBD: Tecan Robotic
Pipette Tips

HBS: COPAN Nasal Swabs

HBG: Siemens Healthineers
Antigen Tests

HBS: OraSure
Rapid Antigen Self-Test
Speed, Innovation, & Technology

• We have a mindset for non-traditional strategies—competition wherever possible, small businesses & start-ups, and breaking down large contracts

• Tracking expected acquisition/contracting savings in 2021

• Continue to leverage partnerships to imagine what our systems could be rather than waiting for requirements

• Advance digital engineering/acquisition—modern software development, cloud, open architectures, M&S, and GFE development environments—to be considered for all program ASPs
Building on Prior Priorities

- Plan & execute well—critical events—accountability
- Own the tech baseline—competition—small business
- Open architecture—OMS/UCI—Govt reference architecture
- Agile DevOps—DIU and DDS partnerships
- Non-traditional approaches, Mid-Tier Acq
- AF Pitch Days—start-ups and VCs
- Speed, innovation, and technology
- Digital engineering/acquisition
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Speed, Innovation, & Technology
The ABMS Journey

- Where are our programs along the path?
  - Own the technical baseline
  - Agile software development
  - Leveraging cloud
  - Infrastructure and networks
  - Data
  - AI/ML

- RCO ABMS Focus Areas
  - Secure Processing
  - Connectivity
  - Data Management
  - Application
  - Sensor Integration
  - Effects Integration
Speed, Innovation, & Technology

• For JADC2 to be achieved—programs of record will need to implement ABMS design patterns
  • Better instrument systems and software and expose data for many purposes
  • Systems that consume data from many sources to be more effective (including data on the system itself)
  • Leveraging agile software development to enable rapid machine-to-machine connections
• Objective: The Digital Directorate as a portfolio of software programs, some embedded, that share data machine-to-machine to speed operations
SPEARR
6 cubic feet
(152:1 reduction)

SPADOC
912 cubic feet
Recent/Potential New Programs

- Potential E-7 program
- Air Base Air Defense (ABAD)
- Spectrum Efficient Natl Surveillance Radars (SENSR)
- Counter-Rocket, Artillery, and Mortar (C-RAM) UON
- MAF C2, 618th Air Ops Center
- Tactical Mobile Over the Horizon Radar (TACMOR)
- P&A for E-7X Korea
- Kuwait Long Range Radar and Air Operations Center
- Egypt Border Security Phase II
- AUS Wedgetail Phase 6
- India I-Star
- N/NC Pathfinder (ABMS applications)
- Northern Approaches Surveillance (NAS) AoA
- N/NC Over the Horizon Radar (OTHR)
- Electronic Flight Bag (EFB)
- Decision Support System (DSS)
- TALON ARCHER sustainment
- EOD Intelligence Mgmt System (EODIMS)
- Disaster Response Force COP (DRF COP)
- Transition of NINJA to PoR
- BDOC of the future (DMDC3)
- IBS Modernization PDM for FY22-26
Questions?