

DIRECTORATE

Dayton-Wright AFCEA

PEO Digital Presentation



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AFLCMC/HB
15 April 2021



Overview



- **Digital Directorate overview**
- **2021 priorities**
- **Program vignettes**
- **Recent/potential new programs**
- **Q&A**



DIGITAL DIRECTORATE

Scope and Mission Areas

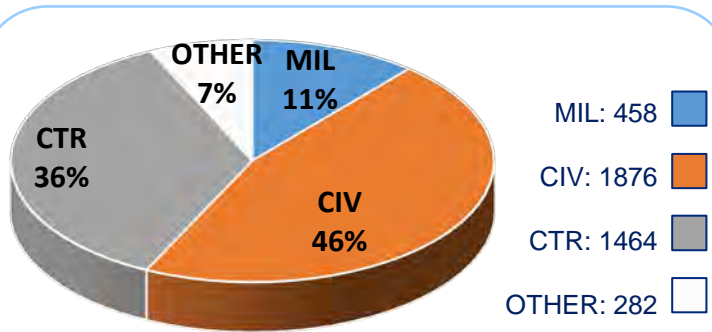
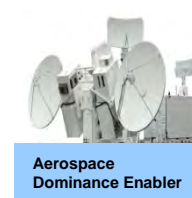
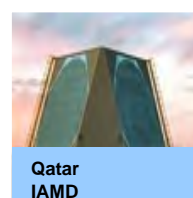
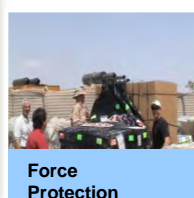
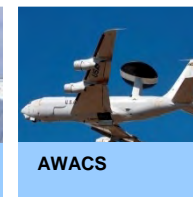
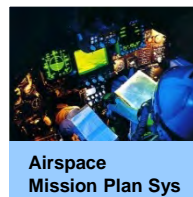
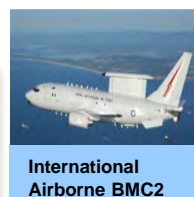
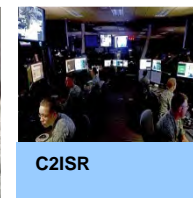
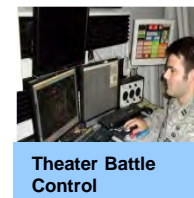
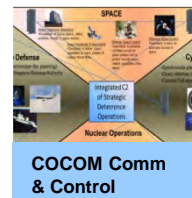
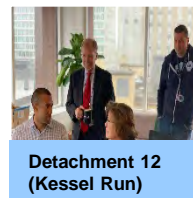
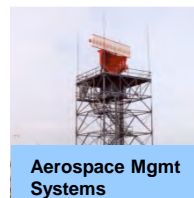


Mission: Expedite delivery, and effectively support, warfighting battle management systems in partnership with users and industry*

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

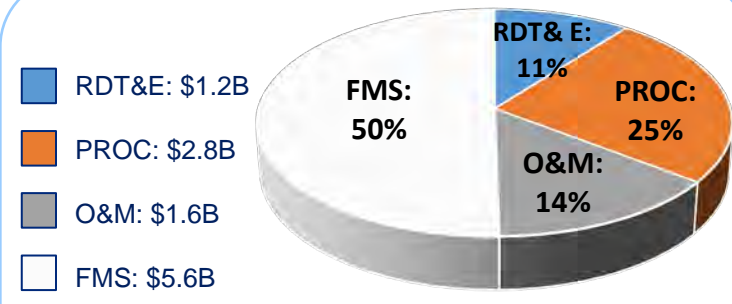
2021 Priorities

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



3935 Total Manpower

ACAT I	2
(2 ACAT 1C)	
ACAT II	1
ACAT III	56
FMS	173
804 Prgms	17
SWAP Prgms	2
AML EXEMPT	34
SUSTAINMENT	61



\$11B Total AY & FMS

*... and promote modern software development across the Air Force



DIGITAL DIRECTORATE

Geographically Diverse





Overview



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- 2021 priorities
- Program vignettes
- Recent/potential new programs
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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

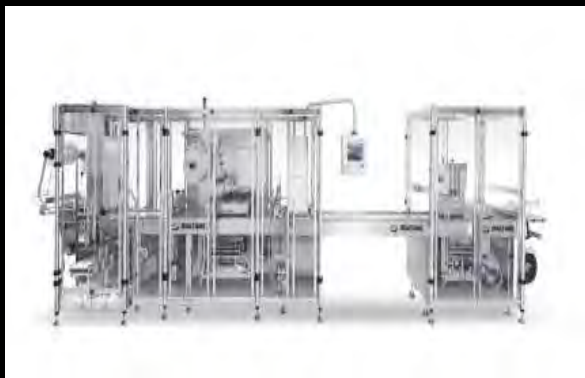


- **We execute DAA projects/programs assigned and stand ready for more**
- **Documented PEO-level ASPs to ensure the auditability of our decisions and share lessons-learned across project teams**
- **These projects are also a great opportunity for learning and gaining experience**



DPA Support of DHHS

**HBN: Puritan Medical
Flock Tip Swabs**



HBQ: Teel Plastics Swabsticks



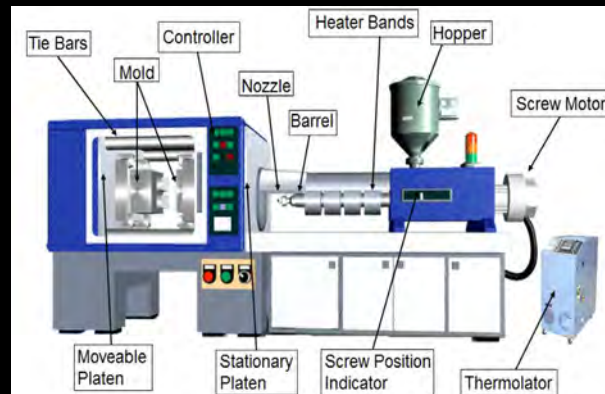
**HBS: Vapotherm HF
Nasal Cannula**



**HBD: Tecan Robotic
Pipette Tips**



HBS: COPAN Nasal Swabs



**HBG: Siemens Healthineers
Antigen Tests**



**HBS: OraSure
Rapid Antigen
Self-Test**





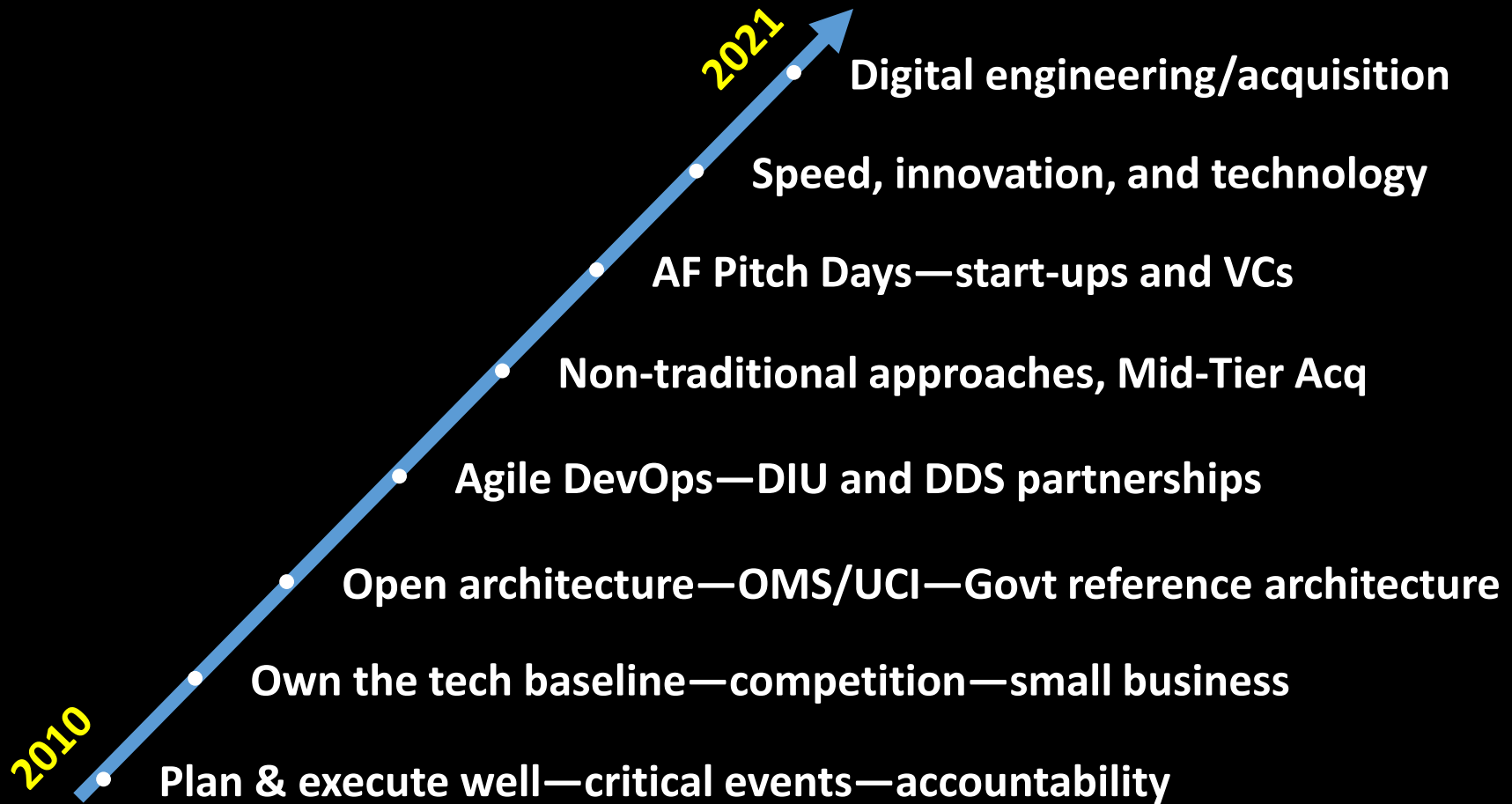
Speed, Innovation, & Technology



- 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

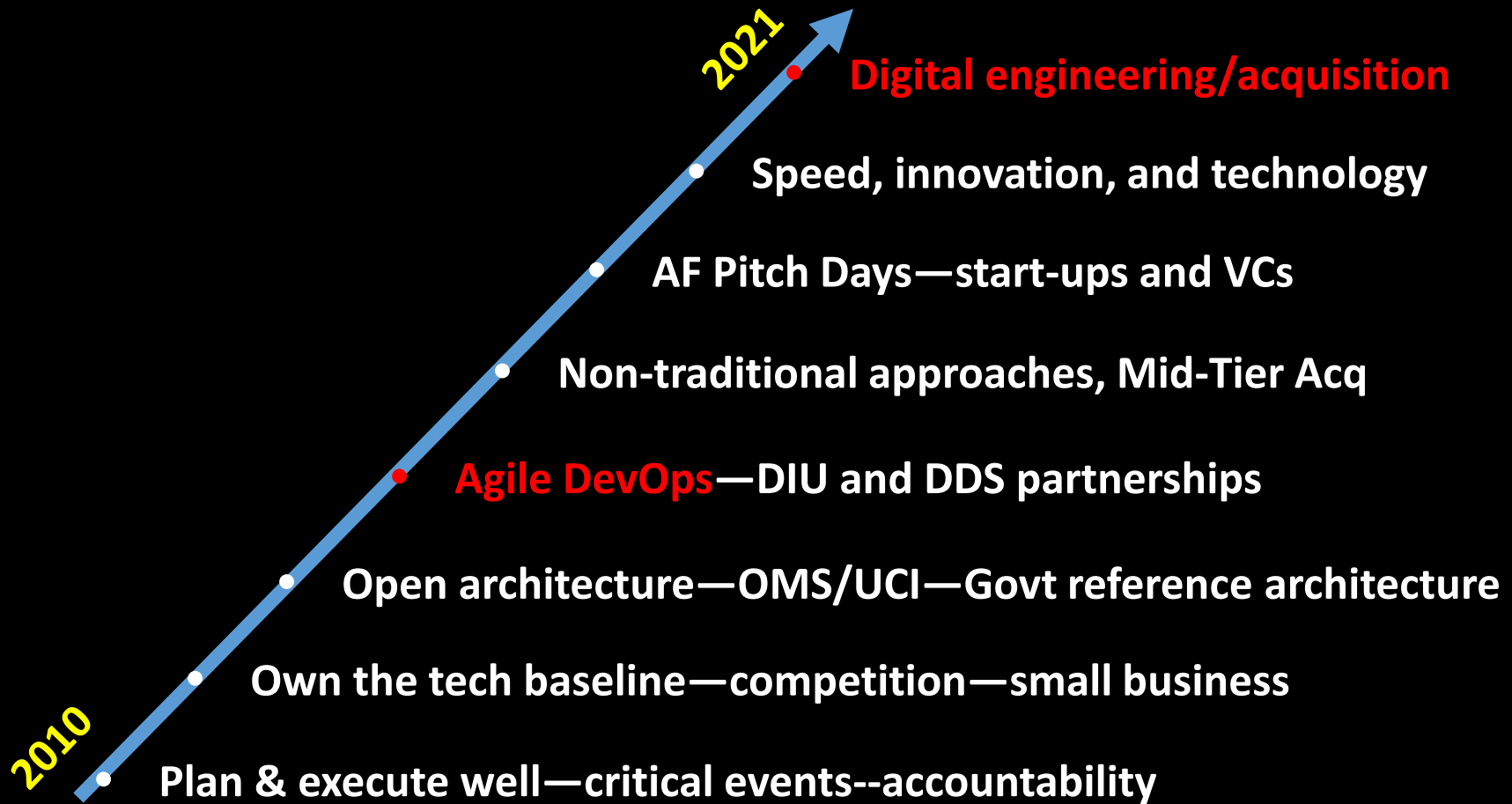


Building on Prior Priorities





Building on Prior Priorities





Speed, Innovation, & Technology

The ABMS Journey

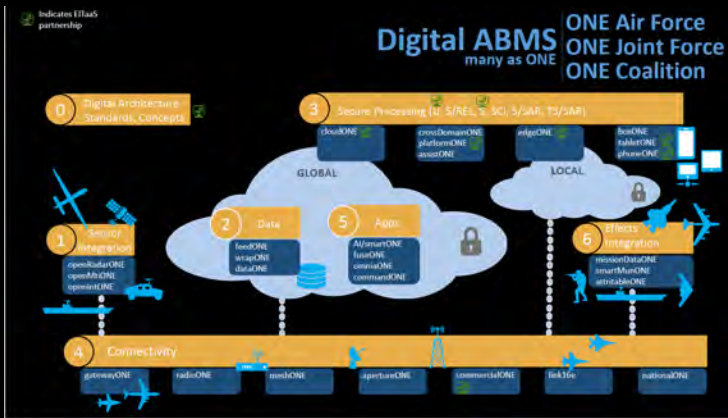


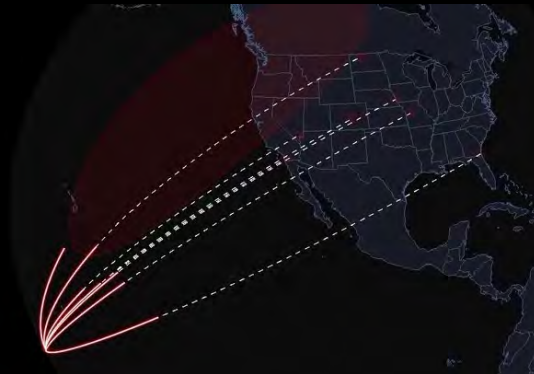
- **Where are our programs along the path?**
 - Own the technical baseline
 - Agile software development
 - Leveraging cloud
 - Infrastructure and networks
 - Data
 - AI/ML
- **RCO ABMS Focus Areas**
 - Secure Processing
 - Connectivity
 - Data Management
 - Application
 - Sensor Integration
 - Effects 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?