



NDIA AUTOMATIC TEST COMMITTEE

USAF Liaison Report

13 April 2021

John Kesser – BAE Systems



AGENDA



- Organization
- COVID-19 Impacts
- Current Program Highlights
- Opportunities
- Future Trends
- Questions



AFLCMC LEADERSHIP TEAM

SAE
Darlene Costello



Programmatic
Direction

Enterprise
Management



CA

CV

CCC

DS

CR

CG

Directorates w/ PEO Authority



Agile Combat
Support



Armament



Bomber



Business &
Enterprise



C3I /
Networks



Digital



Fighter & Adv
Aircraft



ISR/SOF



Mobility &
Training
Aircraft



Presidential &
Exec Airlift



Rapid Sustainment
Office

Directorates & Support



AFSAC



Propulsion



Acquisition



Contracting



Engineering



Finance



Inspector
General



Intelligence



Logistics



Personnel



Plans and
Programs



Architecture
& Integration



Safety



Small
Business



Staff Judge
Advocate



88 ABW



66 ABG



AGILE COMBAT SUPPORT DIRECTORATE



CMSgt Theodore Angel
Senior Enlisted Advisor



Colonel Lea Kirkwood
PEO/Director



Mr. Kevin Keck
Deputy Director



Colonel Michael Martini
Director's Senior IMA



Mr. Carl Unholz
Chief, AFMETCAL



Mr. Jimmy Bailey
Chief, Auto Test Sys



Colonel Gregg Jerome
Chief, EW & AV



Mr. Emilio Varcarel
Chief, Human Systems



Colonel John Kurian
Chief, Simulators



Colonel Michael Brox
Chief, Spt Equip/Veh



Mr. Thomas Shaffer
Chief, Contracting –
WPAFB



Mr. Marty Ledden
Chief, Contracting –
Robins AFB



Ms Lynne Leftwich
Chief, Financial
Management



Mr. Alvin "Clay" Mims
Director of Engineering



Mr. Neil Erno
Chief, Logistics



Ms. JoAnn Freburg
Chief, Management
Operations



Mr. Dennis Deitner
Chief, Portfolio
Analysis



Mr. Ron Hannan
Chief, Security



Mr. Steven Peden
Chief, FMS



ATS LEADERSHIP TEAM



Mr. David Hand
Deputy, Nuclear



Mr. Jimmy Bailey
Chief



Lt Col V. Scott Lewis
Deputy Chief



Mr. George Tribble
DoD AMB Secretariat
Chief, ATS Advanced Pgms



Mr. James Strickland
Chief, Field Level ATS



Mr. Robert Colvin
Chief, Intermediate and
Depot Level ATS



Maj Andrew Dowd
Chief, Portfolio Analysis &
Business Integration



Mr. Kevin Simpson
Chief Engineer



Ms. Stephanie Flynn
PSM



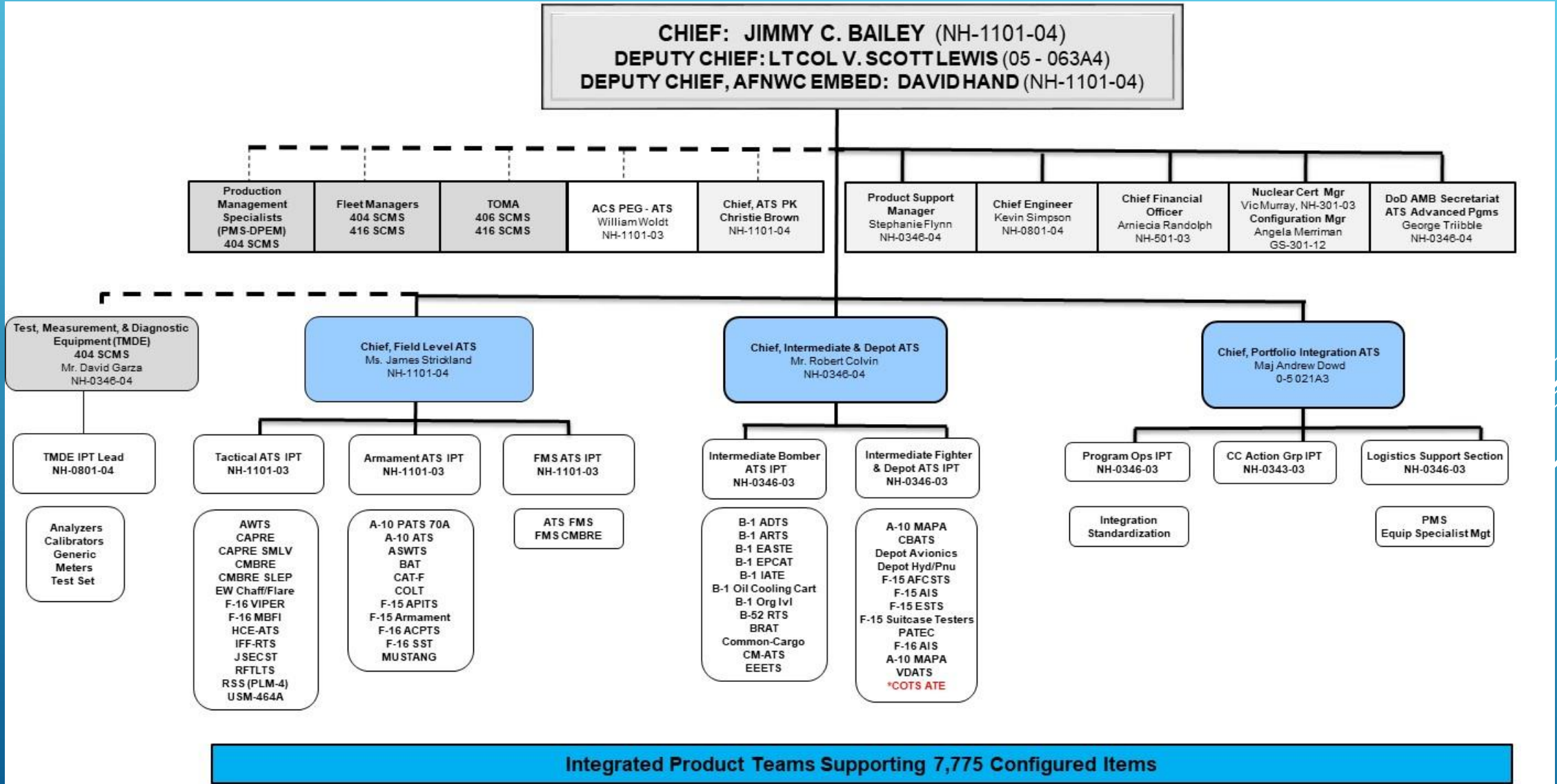
Ms. Christie Brown
Chief, ATS, SE&V &
Human Systems
Contracting



Ms. Arniecia Randolph
CFO



ATS OPERATIONAL ORGANIZATION CHART





USAF ATS – COVID-19 IMPACTS



- ALFLCMC/WNA personnel are working a hybrid of WFH and being in the office
 - 78th Base Commander Health Rating being used as guidance
 - May see more liberal WFM policy going forward
- Continuing to engage with contractors via “WebEx”, “Teams”, etc
- Travel authorized based on program needs
 - Evaluated on a case by case basis
- Minor impacts to some programs
- We will continue to deliver automatic test capabilities to the warfighter without interruption



USAF ATS – CURRENT PROGRAM HIGHLIGHTS AND FUTURE TRENDS



- AFLCMC/WNA Organization now includes Test, Measurement, and Diagnostic Equipment (TMDE) items as part of the WNA OSS&E/Configuration Management portfolio
 - Previously TMDE was part of the portfolio, but not truly managed like other ATS
 - TMDE Logistics Managers, Equipment Specialists and Engineers reassigned from the 404th SCMS to AFLCMC/WNA
- What changes will this drive?
 - How will TMDE be sustained/supported?
 - TMDE is Commercial off the Shelf (COTS) – should they be repaired or simply thrown away and replenishments purchased?
 - AFMETCAL utilizes an extended warranty for their COTS items, is that possible for WNA?
 - Currently TMDE items must be prioritized high enough on the Council of Colonel's list to receive funding – is this the best approach or is there a better way to meet warfighter requirements?
 - Currently being purchased on 3PL contracting vehicle
 - Is this the correct approach?/Is there a better way?

WNA is getting up to speed with TMDE Enterprise and look forward to improving warfighter support moving forward



USAF ATS – OPPORTUNITIES



- VDATS Technology Refreshment
 - Implement Win-10 Controller Upgrade
 - Replace M925 CCA assembly to resolve Diminishing Manufacturing Sources & Material Shortages (DMSMS)
 - Continue to address system obsolescence
- B-1B ADTS Contractor Logistics Support (CLS)
 - Repair, sustaining engineering and cybersecurity
 - PoP FY 22 – FY27





USAF ATS – TOP ISSUES



- Collaboration on pre- Request for Proposal (RFP) requirements
- Fully qualified proposals on first submission
- Adaptability within the contract to meet evolving cybersecurity requirements
- Contract execution strategy to address the high likelihood that Government Furnished Equipment (aircraft, Line Replaceable Units) are unavailable



USAF – FUTURE TRENDS



- Rapid Sustainment Office (RSO) <https://www.afrso.com/about-us/>
 - Artificial Intelligence & Machine Learning
 - Advanced Manufacturing
 - Automation & Robotics
 - Data & Digital Environments
 - Augmented & Virtual Reality
 - Rapid & Austere Maintenance Environments
- Continued reliance on legacy aircraft
 - Recent reclaiming of two B-52s from Davis-Moahan
 - New models of F-15 EX and F-16 Block 70 aircraft
- Force projection and collaboration with partner countries
 - “New” Mission Statement – “To fly, fight and win...Airpower anytime, anywhere”
 - B-1B flights to Europe, touching down in Poland, operating out of Norway, flying with Swedish Gripens
 - B-2 hot-pit refueling in Portugal, conducting bomber task force missions in the region



USAF ATS – FUTURE TRENDS



- Potential for adapting a digital twin of the test equipment to match to a corresponding digital model of the weapon system
 - Possibility to shorten time to market, jump-start TPS integration
- Focus on delivering improved common test capabilities
- Affordability and fielding speed paramount to ATS modernization
- Adopting new technologies into ATS is key in meeting the Air Force's missions
- Harnessing UUT data through ATS is an untapped resource to support air vehicle readiness



QUESTIONS?

