



# **Welcome to NDIA Automatic Testing Committee (ATC)**

## **Committee Meeting**

**November 17, 2020**

# AGENDA

**12:30 – 1:00 PM: Sign-in – A/V checks**

**1:00 – 1:20 PM: Opening remarks and updates: Howard Savage & NDIA**

- Virtual meeting etiquette/instructions
- No Introductions - Attendees will be published after the meeting
- Organization updates

**1:20 – 3:00 PM: Liaison Reports**

- USAF
  - George Tribble
  - John Kesser
- Navy/Marine (Air) – Rick Freeman
- Army – Scott Brown
- DoD Liaison – George Tribble
- Marine Corps (Ground) - Lou Salzano

**3:00 – 3:05 PM: Break**

**3:05 – 3:30 PM: Liaison reports *continued***

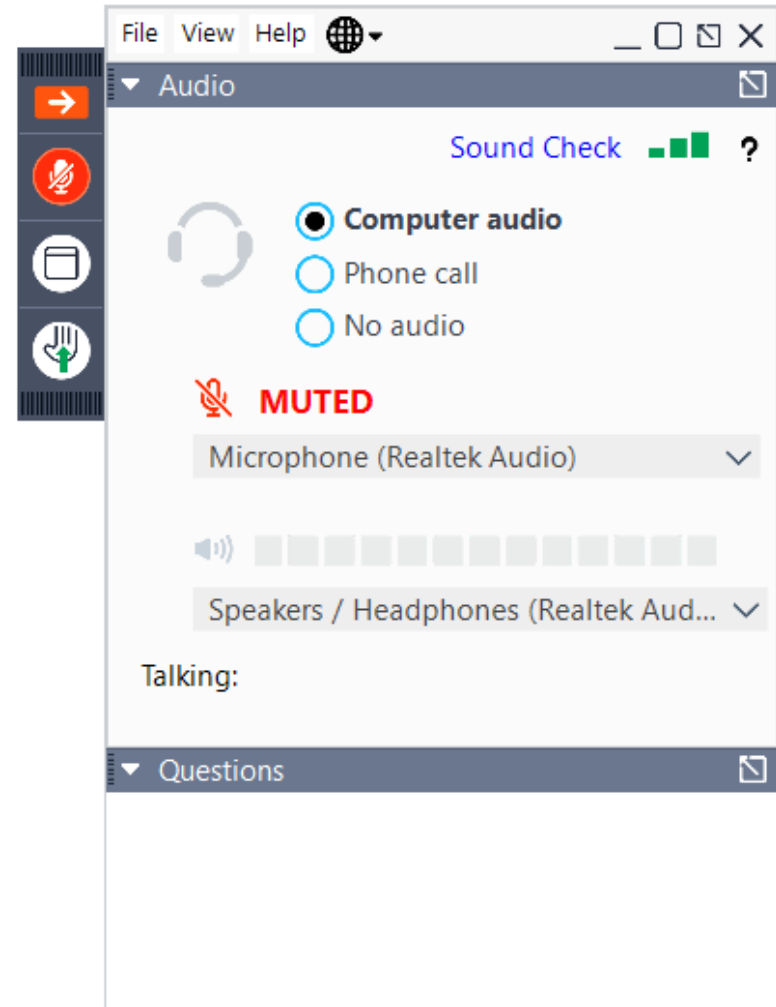
- Commercial – Christer Ljungdahl
- Projects – Mike Dewey

**3:30 – 3:45 PM: Wrap up**

**3:45 – 4:00 PM: Adjourn**

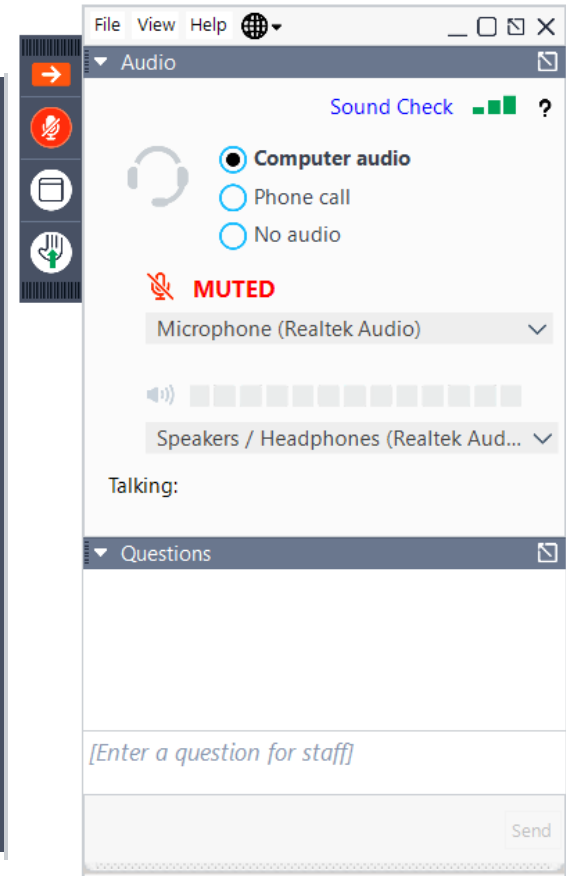
# Virtual Meeting Etiquette

- All attendees are muted upon entry
- The Agenda is available in the handouts section of your control panel.



# Attendee Question and Answers

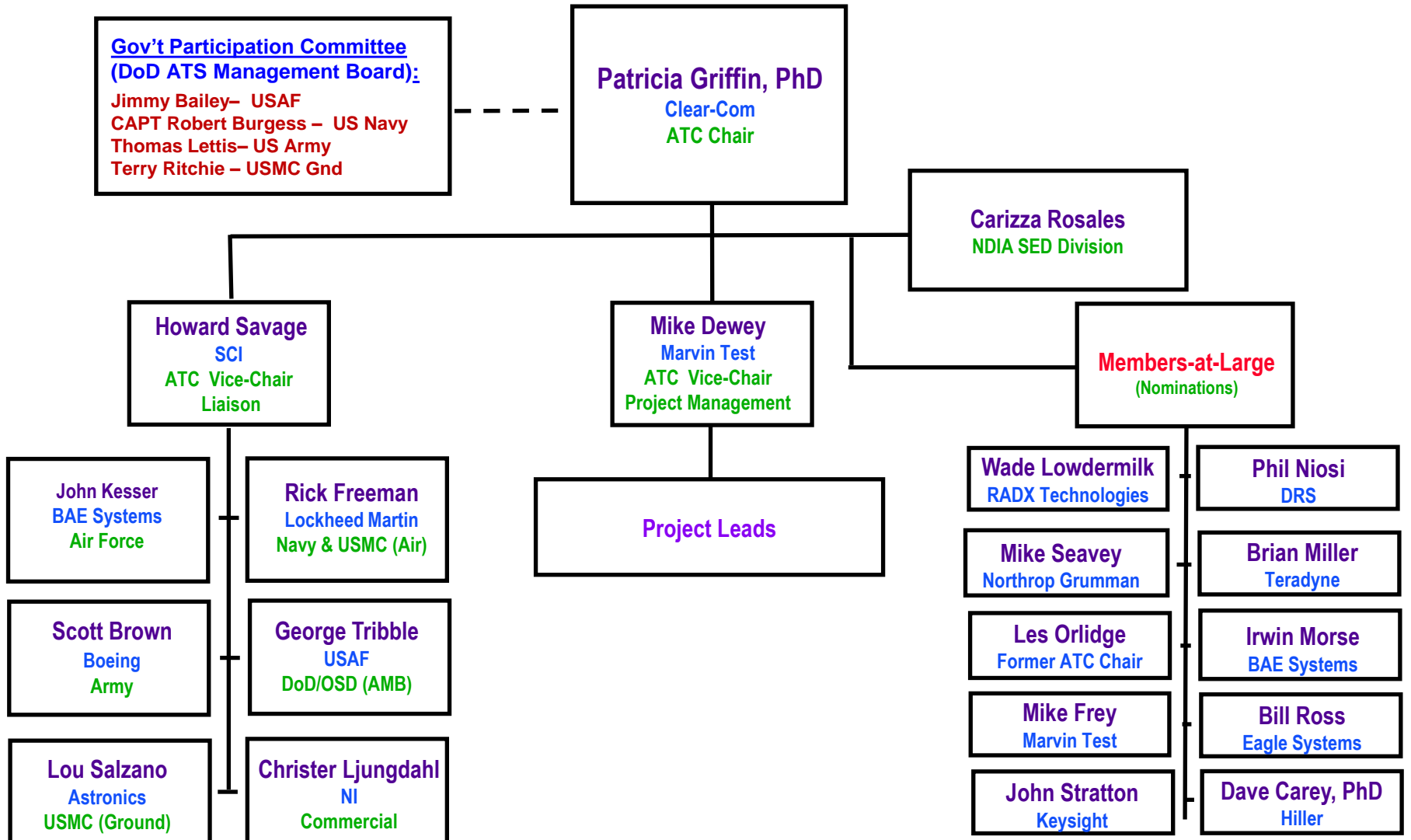
- **Written**
  - Please type questions into the questions box within the panel.
- **Verbal**
  - Please hit the raise hand button.
  - The moderator will unmute you and you must also unmute yourself.



# National Defense Industrial Association - Systems Engineering Division

## **AUTOMATIC TEST COMMITTEE**

2020 Steering Committee (November 17)



**Gov't Participation Committee  
(DoD ATS Management Board):**  
 Jimmy Bailey- USAF  
 CAPT Robert Burgess - US Navy  
 Thomas Lettis- US Army  
 Terry Ritchie - USMC Gnd

**Patricia Griffin, PhD**  
 Clear-Com  
 ATC Chair

**Carizza Rosales**  
 NDIA SED Division

**Howard Savage**  
 SCI  
 ATC Vice-Chair  
 Liaison

**Mike Dewey**  
 Marvin Test  
 ATC Vice-Chair  
 Project Management

**Members-at-Large**  
 (Nominations)

**John Kesser**  
 BAE Systems  
 Air Force

**Rick Freeman**  
 Lockheed Martin  
 Navy & USMC (Air)

**Scott Brown**  
 Boeing  
 Army

**George Tribble**  
 USAF  
 DoD/OSD (AMB)

**Lou Salzano**  
 Astronics  
 USMC (Ground)

**Christer Ljungdahl**  
 NI  
 Commercial

**Project Leads**

**Wade Lowdermilk**  
 RADX Technologies

**Phil Niosi**  
 DRS

**Mike Seavey**  
 Northrop Grumman

**Brian Miller**  
 Teradyne

**Les Orledge**  
 Former ATC Chair

**Irwin Morse**  
 BAE Systems

**Mike Frey**  
 Marvin Test

**Bill Ross**  
 Eagle Systems

**John Stratton**  
 Keysight

**Dave Carey, PhD**  
 Hiller



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# NDIA AUTOMATIC TEST COMMITTEE

USAF Liaison Report

17 November 2020

John Kesser – BAE Systems



# AGENDA

- Organizational Changes
- COVID-19 Impacts
- Current Program Highlights
- Opportunities
- Future Trends
- Questions





## LEADERSHIP CHANGES - AIR FORCE LIFE CYCLE MANAGEMENT CENTER - AGILE COMBAT SUPPORT

- Lt Gen Shaun Morris replaced retiring Lt Gen Robert McMurry as Commander Air Force Life Cycle Management Center
- Col Charles Cain replaced retiring Col Brady Hauboldt as Vice Commander Air Force Life Cycle Management Center
- Mr. Paul Waugh replaced retiring Ms. Lynda Rutledge as the PEO / Director Mobility and Training Aircraft
- Col Lea Kirkwood moved up from Deputy to become the PEO / Director for Agile Combat Support (AF in the process of filling the SES position and will become the PEO ACS at that point)
- Mr. Kevin Keck has been temporarily reassigned from AFMC/A5/7/9 to Deputy Agile Combat Support





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# AFLCMC LEADERSHIP TEAM



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



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# 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

Revised: 2 October 2020



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## LEADERSHIP CHANGES – AUTOMATIC TEST SYSTEMS DIVISION

- Lt Col Victor “Scott” Lewis backfilled as Deputy Division Chief
- Mr. George Tribble has transitioned to become the DoD AMB Secretariat and Chief, ATS Advanced Programs
- Mr. James Strickland replaced retiring Ms. Kelly Williams as the Chief, Field Level ATS Branch
- Mr. Robert Colvin replaced Mr. George Tribble as the Chief, Intermediate and Depot Level ATS Branch
- Maj Andrew Dowd backfilled as Chief Portfolio Analysis & Business Integration Branch



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# ATS LEADERSHIP TEAM



Mr. David Hand  
Deputy, Nuclear



Mr. Jimmy Bailey  
Chief



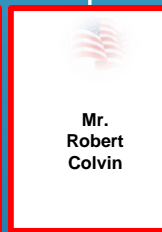
Lt Col V. Scott Lewis  
Deputy Chief



Mr. George Tribble  
Dd 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



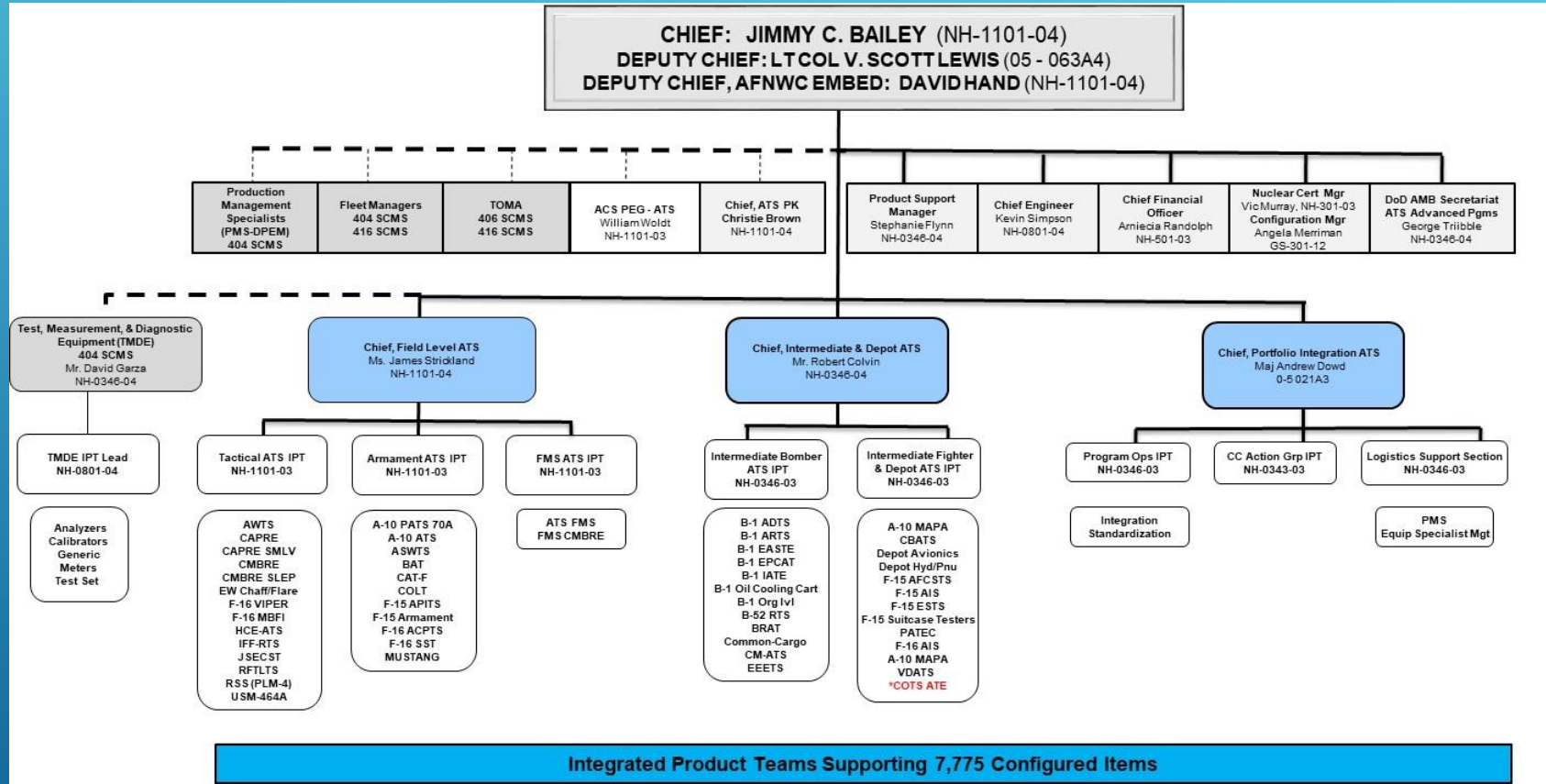
Ms. Arniecia Randolph  
CFO



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# ATS OPERATIONAL ORGANIZATION CHART





## USAF ATS – COVID-19 IMPACTS

- ALFLCMC/WNA personnel are working a hybrid of WFH and being in the office
- Continuing to engage with contractors via “WebEx”, “Teams”, etc
- Travel authorized on the basis of mission critical need
- Minor impacts to some programs
- We will continue to deliver automatic test capabilities to the warfighter without interruption



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## USAF ATS – CURRENT PROGRAM HIGHLIGHTS AND FUTURE TRENDS

- Contractor developing AIM-260A chose to develop missile using VDATS, the AF DoD Family of Testers (FoT)
  - Contractor partnered with WR-ALC to build VDATS stations at their facility
    - WR-ALC Software Integration Lab (SIL) provided technical support and expertise
    - Proved to be a Win-Win partnering agreement between USAF and contractor
  - Shortens the path to organic capability
    - Common FoT already being utilized for development that can seamlessly transition into organic repair capability
    - TPS already developed using VDATS, no additional software development required
- AFLCMC/WNA desires contractors to consider using VDATS to develop future projects
  - Allows for seamless organic repair stand-up utilizing common FoT
  - Enables contractor to focus on product development versus ATE development/sustainment
  - Should provide contractor with a competitive advantage
    - AF SPO will not have to invest in additional hardware or software costs for depot stand-up



## USAF ATS – OPPORTUNITIES

- VDATS Service Life Extension Program (SLEP)
  - Modernization, modification and DMSMS/OB
  - PoP FY 20 – FY 26
- B-1B ARTS Interim Contract Support (ICS)
  - Spares, repairs, software updates and cybersecurity
  - PoP FY 21 – FY 26
- B-1B ADTS Contractor Logistics Support (CLS)
  - Repair, sustaining engineering and cybersecurity
  - PoP FY 20 – FY25







## USAF ATS – FUTURE TRENDS

- Expect broader Air Force initiatives to make their way into ATS Programs
- Dr. Will Roper, assistant secretary of the Air Force for acquisition, technology and logistics
  - Digital Engineering Initiative (AFA awards ceremony presentation)  
<https://www.youtube.com/watch?v=3FZBxOuwiLY>
  - #Connected Air Force
  - #Competitive Air Force
  - #Commercial Air Force
- Potential for adapting a digital model of the test equipment to match to a corresponding digital model of the weapon system
- ATE integrators and associated supply chain will have to be engaged
- May consider digital models as part of future source selections



## USAF ATS – FUTURE TRENDS

- Rapid Capabilities Office (RCO)
  - Reducing acquisition timelines as well as time to market for new capability
  - Gathering data direct from the tester
    - Reduce reliance on “user input” from CAMS and REMIS
    - Cloud application and data analytics
    - Leveraging Smart TPS and CBM+ initiatives from other services
- Cybersecurity as an integral part of the system
- Develop an ability to predict mission success
- Support equipment design based on how the Air Force will deploy in the future
  - Reduced size, weight and power
- Improve operability with other services



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QUESTIONS?

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NDIA  
Automatic Test Committee  
Navy/Marine Corps (Air)  
Liaison Reports

November 17, 2020

Rick Freeman

[Rick.Freeman@lmco.com](mailto:Rick.Freeman@lmco.com)

407 306-6690

# Agenda

- PMA-260 Organization
- CASS Initiatives
- RTCASS Overview
- eCASS Status
- Questions

# PMA260D Current Organization

- **Capt. Robert Burgess** – Program Manager, Naval Aviation Support Equipment Program Office (NAVAIR PMA260)
- Mark Lysaght – Principal Deputy PM (NAVAIR PMA260A)
- **Catherine Buchanan** – Deputy Program Manager for ATS, overall responsibility for acquisition, sustainment, and policy (NAVAIR PMA260D)
- Sean Demme – Assistant DPM to PMA260D (NAVAIR PMA260DA)
- Team Leads:
  - Sean Demme, for CASS/RTCASS/eCASS, eCASS TPS Migration and Joint Service Electronic Combat Systems Tester (JSECST)
  - Jeff Allen and **Jason Zimmerman**, for PEMA and Mobile Maintenance Facilities (MMF)
  - **LCDR Toochikwu (T) Ogbonna**, Mission Equipment (Electro Optic and ancillaries)
  - Tony Conard, for Jacksonville Site Lead
  - Jim Deffler, for Lakehurst Site Lead
  - Elliott Lytle, for Cherry Point Site Lead and CASS FoT FST Lead
  - **Gary Kane**, for CASS FoT S/W Support Activity (SSA) Lead

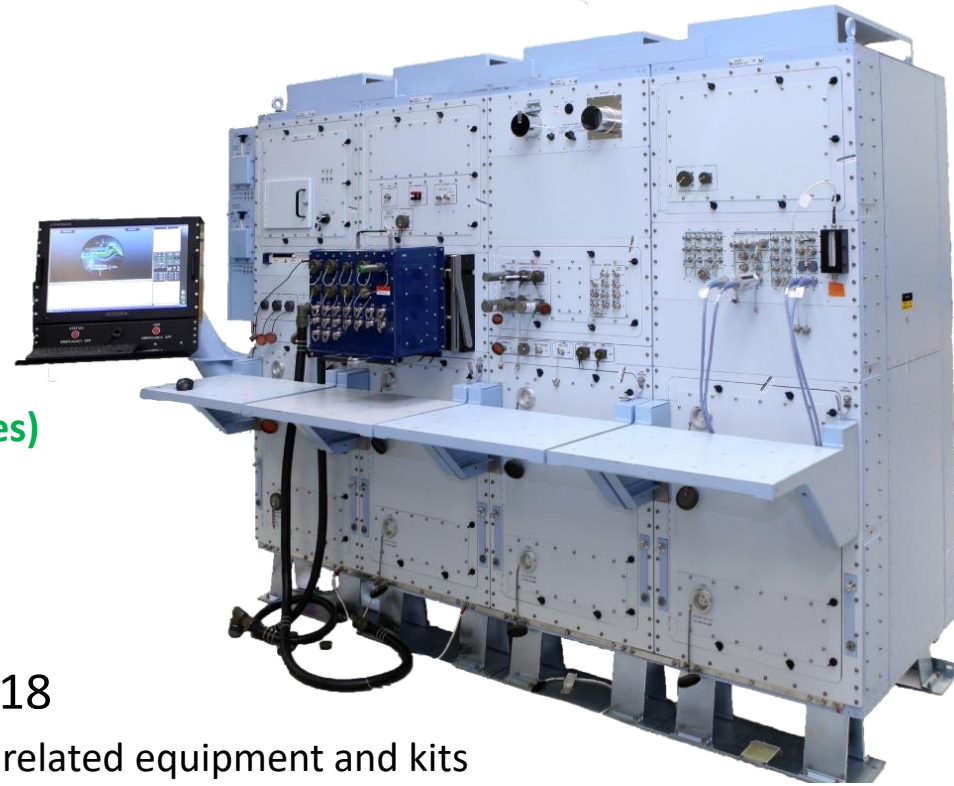
In April 2020,  
Calibration  
(PMA260B) and MMF  
(PMA260D) Programs  
moved into PMA260

# CASS and RTCASS Status

- CASS/RTCASS PBL Contract in place through April 2023
  - Follow-on contract will be needed
  - Parts are being salvaged as CASS are taken out of inventory
- CASS sundown began in Sept. 2017 and will be out of Navy/Marine Corps I-level inventory by end of 2025
  - A challenge -- Foreign customers will need support into the 2030s
- **Only new RTCASS effort is a conversion of the RTCASS tech manuals from PDF to an IETM – release in September done by government team**

# eCASS Status

- LRIP I, II & III Production complete
  - 67 limited rate production units completed
  - Upgrades and fielding ongoing
- Full Rate Production 1 awarded Feb 2017
  - **All 70 production stations completed, including 5 FMS stations (FY18/19 deliveries)**
  - Interim Contractor Support 2 included in award, base plus 3 option years
- Full Rate Production 2 awarded Aug 2018
  - **101** production stations ordered along with related equipment and kits
  - **23 delivered to date**
  - Over 300 eCASS stations anticipated for USN, USMC, and FMS
  - eCASS being fielded at **3** FMS countries – others planned





# eCASS Status (Cont.)

- The CASS TPS “Migration” to eCASS Underway
  - About 523 CASS TPSs will be migrated to eCASS in 3 Blocks
  - Block 1 Complete, Block 2 will complete this year, and **Block 3 will complete in early 2021**
- eCASS Forth Generation Electro-Optic (EO4) Program
  - Competitive acquisition to replace Third Generation EO (EO3) consoles with a modernized version – integrated with eCASS, not CASS
  - **Engineering and Manufacturing Design Contract awarded in September 2020**

# Emerging Platforms Requiring TPSs

- F-35B (USMC) and F-35C (USN) I-level support using eCASS, TPS development underway
  - 55 Line Replaceable Component (LRC) candidates identified, Focused on **26** high priority
  - Test requirements and eCASS test capability gap analysis delivered in January 2019, eCASS enhancement underway
  - Targeting some capability by 2021 first aircraft carrier deployment, TPSs for **3** LRCs in DT-C1
  - LM-STAR™ depot TPSs (National Instruments TestStand™) will be upgraded for eCASS I-level (TestStand™ now added to eCASS)
  - **TPSs for 2 additional LRCs being contracted**
  - **TPSs for remaining 21 LRCs to be contracted in 2021**
- E-2D Advanced Hawkeye
  - RADAR
  - EW
- CH-53K King Stallion
- MH-60R Seahawk
- MQ-25 Stingray

# QUESTIONS



# **Welcome to NDIA Automatic Testing Committee (ATC)**

## **Committee Meeting**

**November 17, 2020**



# **NDIA Automatic Testing Committee DoD ATS Designated Representative's Report**

**DoD ATS Executive Directorate Office  
Nov 2020**

# DoD ATS Executive Directorate -- AMB

- Mr. Jimmy Bailey, Chief, Air Force Automatic Test Systems Division has replaced CAPT Tom Dall as Chair of the DoD ATS Management Board (AMB) Executive Director
  - George Tribble (AF) has replaced Dex Hansard (Navy) as DoD AMB Secretariat
- Last DoD AMB meeting was conducted virtually on 22 Sept 20
  - Reviewed each Service's current and future ATS plans
  - Each of the active Joint Service IPT Chairs summarized their Team's accomplishments and plans
- Next DoD ATS Management Board (AMB) meeting scheduled for Spring 2021, in-person vs virtual TBD
- The DoD ATS Executive Directorate public web site is continuous updated:
  - Address <http://www.acq.osd.mil/log/MPP/ats.html>

# DoD ATS Executive Directorate -- AMB

- AMB less focused on solely ATS policy but greater focus on leveraging technology investments and sharing information
- Mr. Bailey briefed the AMB Vision and Way Forward
  - Key takeaways from this briefing were
    - Why does AMB exist?
      - We all want the AMB to drive meaningful improvements, not just another meeting
    - What are ways to increase communication across the DoD?
    - How do we become more Joint in Technology Exploration?
      - SBIRs, Industry/Pitch Days
    - How do we tap into other initiatives/groups?
      - NDIA, CBM+, JTEG, JIT, CTMA, etc.
- Bi-Annual “Joint Services ATS Technology Industry Days” (“Quartz Watch”)
  - The AMB NxTest IPT plans on holding a virtual QWD the week of 12 April
  - Announcement is planned to be posted on SAMS.GOV



*Any Questions?*





**Welcome to NDIA**  
**Automatic Testing Committee (ATC)**  
**Committee Meeting**  
November 17, 2020



# NDIA ATC Meeting Commercial Liaison Report

Christer Ljungdahl

November 17<sup>th</sup>, 2020

# AGENDA

- News (Mergers/Acquisitions/Announcements)
- Technology Trends
- PXI, VXI, AXIe, LXI Updates

## NEWS – New Products

**Tektronix**



**Tektronix Introduces the 8 Series Sampling Oscilloscope Platform:** The 8 Series Sampling Oscilloscope provides a comprehensive optical test solution for telecom and datacom applications, providing > 30 GHz optical bandwidth on 4 channels enabling both single mode and multi-mode conformance testing at 850 nm, 1310 nm, and 1550 nm bands.

**VIAMI Releases World's First 16-lane Protocol Analysis System for PCIe 5.0:** The VIAMI [Xgig 5P16 Protocol Analyzer](#) is the first 16-lane protocol analysis system for PCI Express® 5.0, operating at 32Gbps per lane, enabling test and validation to meet the most demanding performance needs of emerging compute-intensive applications such as 400 Gigabit Ethernet, artificial intelligence (AI), IoT and hyperscale computing



**KEYSIGHT**  
TECHNOLOGIES



**Keysight Delivers First 256 GSa/s Arbitrary Waveform Generator with 65 GHz Analog Bandwidth:** Keysight's M8199A 256 GSa/s AWG delivers twice the sampling rate of any AWG on the market today, coupled with at least 50 percent more analog bandwidth. As a result, research engineers can quickly develop advanced components for terabit transmission systems.

# NEWS – New Products



**Marvin Test Solutions Expands User-Programmable PXI FPGA Product Line:** The GX3748 is a user configurable, FPGA-based, 3U PXI card which features 48 voltage comparator channels. Each input channel can accept input voltage signals from 0 to 50 volts, with programmable threshold levels. Three of the 48 channels are supported by the board's timestamp event feature.



## **Rohde & Schwarz launches high-performance ELINT receiver**

Rohde & Schwarz launches the R&S WPU2000 wideband processing unit, a high-performance ELINT receiver, designed for radar detection and analysis at 2 GHz real-time bandwidth, enhancing situational awareness and supporting platform protection in theaters of operations.



**NI Launches 4 GHz Vehicle Radar Test System:** The Vehicle Radar Test System (VRTS) provides automated radar measurement and obstacle simulation capabilities for 76 GHz to 81 GHz automotive radar systems with 1GHz and 4GHz of bandwidth. Engineers can use VRTS to confidently develop validation and production test that's repeatable and reliable.

## NEWS - Acquisitions



**Astronics Announces Acquisition of Freedom Communication Technologies**  
[Astronics Corporation](#), a leading provider of advanced technologies for the global aerospace, defense, and other mission critical industries, announced today that it has acquired the primary operating subsidiaries from mass transit and defense market test solution provider, [Diagnosys Test Systems Limited](#) (Diagnosys). Diagnosys is a developer and manufacturer of comprehensive automated test equipment (ATE) providing test, support, and repair of high value electronics, electro-mechanical, pneumatic and printed circuit boards focused on the global mass transit and defense markets.

**VIAVI Solutions acquires Expandium:** [VIAVI Solutions Inc.](#) today announced that it has acquired [Expandium](#), a provider of core network monitoring and assurance solutions powered by big data, based in Saint-Herblain, France. This acquisition augments VIAVI's leading network assurance portfolio with a cloud-native virtualized solution offering, in alignment with virtualization initiatives at Tier-1 service providers worldwide.



## NEWS – Acquisitions



**NI Completes Acquisition of Optimal Plus:** “We’re confident NI’s enterprise software strategy unlocks the value of test data by embracing digital transformation and bringing it to the analog world,” said Eric Starkloff, NI President and CEO. “OptimalPlus’ data analytics capabilities allow us to build the advanced software required by today’s modern enterprise and engineer, enabling the connection of multiple data sources across the digital thread of a product’s lifecycle to help dramatically improve quality, yield and avoid failure. We welcome the employees of OptimalPlus and look forward to collectively accelerating our long-term growth ambitions.”

**Keysight Technologies Acquires Eggplant:** “As a recognized leader and trusted advisor in layer 1-7 design and test, Keysight is excited to add Eggplant's test capabilities for the software application layer, aligning with our strategy to grow our first-to-market software-centric solutions,” said Ron Nersesian, Keysight chairman and CEO. “We're thrilled to welcome the Eggplant team to the Keysight family and look forward to working together in the fast-growing intelligent software test market with differentiated software-as-a-service technologies.”



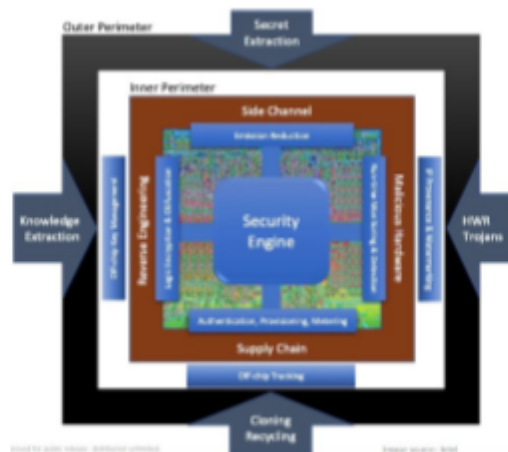
# INDUSTRY/TECHNOLOGY TRENDS – Cyber Security

## CHIPS for America Act Would Strengthen U.S. Semiconductor Manufacturing, Innovation

WASHINGTON—June 10, 2020—The Semiconductor Industry Association (SIA) today applauded the introduction in Congress of the Creating Helpful Incentives to Produce Semiconductors for America Act (CHIPS for America Act), bipartisan legislation that would invest tens of billions of dollars in semiconductor manufacturing incentives and research initiatives over the next 5-10 years to strengthen and sustain American leadership in chip technology, which is essential to our country’s economy and national security. The bill was introduced today by Sens. John Cornyn (R-Texas), Mark Warner (D-Va.), Jim Risch (R-Idaho), Kyrsten Sinema (D-Ariz.), and Marco Rubio (R-Fla.) in the Senate, and a House version is slated to be introduced Thursday by Reps. Michael McCaul (R-Texas) and Doris Matsui (D-Calif.).

## DARPA Doubles Down on Chip-Level Cybersecurity

The AISS program aims to build an entire [design tool and IP ecosystem to automate the process of incorporating cyberdefense into chip designs](#). This ecosystem will provide protection to application-specific ICs (ASIC) and SoCs from the four most threatening attacks: side-channel attacks, hardware trojans, reverse-engineering attacks, and supply chain attacks



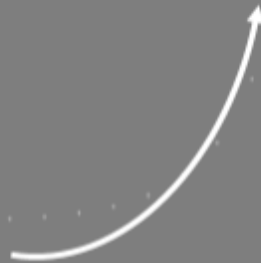


# INDUSTRY/TECHNOLOGY TRENDS – DIGITAL TRANSFORMATION



CONVERGENCE

Simulation



ACCELERATING  
TECHNOLOGY

Fixed Assets “HW”  
To  
Soft Assets “SW”



RAPID CHANGE  
AND ITERATION

Model Based Engineering



MORE DATA

AI and ML  
Prognostics and Diagnostics

# AXIe, LXI, VXI, PXI Update

## AXIe and LXI Update



AXIe Consortium ([www.axistandard.org](http://www.axistandard.org)):

- 13 Members
- Specifications
  - AXIe-CR: AXIe Compliance Requirements and Trademark Usage Rev 1.0
  - AXIe-0: Low Cost Instrumentation and Switch Architecture
  - AXIe 1: AXIe Base Arch Spec, Rev 3.1
  - AXIe 2: AXIe Software Spec, Rev 2.2
  - AXIe 3: AXIe Zone 3 Mechanical
  - AXIe 3.1: Semiconductor Test Extension, Rev 1.0



LXI Consortium ([lxistandard.org](http://lxistandard.org)):

- 53 Members
- Specifications:
  - [Version 1.5 LXI Specification](#)
  - (1) a core specification *Specification 2016*, to which all Devices must conform
  - (2) a set of optional Extended Functions, to which vendors choose to conform. Vendors are required to declare to conform to Extended Functions (if they choose to conform).

## VXI and PXI Update



- VXI Bus Consortium:
  - 13 Members
  - > 1500 Products
  - 394 Mfg. ID's issued
  - VXI 1 Revision 4.0
  - <http://www.vxibus.org>
    - Products at <http://vxibus.org/products.html>



- PXI Systems Alliance ([www.pxisa.org](http://www.pxisa.org)):
  - 67 Members (11/28/2018)
  - Specifications:
    - PXI-1 PXI Hardware Spec. Revision 2.3
    - PXI-2 PXI Software Spec. Revision 2.5
    - PXI-4 PXI Module Description File Spec. Rev. 1.2
    - PXI-5 PXI Express Hardware Spec. Rev.1.1
    - PXI-6 PXI Express Software Spec. Rev. 1.3
    - PXI-8 PXI MultiComputing SW Spec Rev. 1.1
    - PXI-9 PXI /PXIeTrigger Mgm't Spec. Rev. 1.1

**9/28/19** - Updated Specifications to Include Support for Linux Operating System, Multi-Slot Modules and Higher Power PXI/PXIe Modules

## Sign of the times?

- No Updates



# NDIA ATC Projects

Mike Dewey  
November 17, 2020

# Previous Projects / Activities

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- Test System Architecture Report – October 2012
- Recommendations and Guidelines for Incorporating User FPGAs into ATS Applications – Jan 2018.
- Cyber Security Task – initiated in April 2018
  - Questionnaire regarding Cyber sent to all NDIA members in June 2018 – limited response – 3 from DoD, 2 from industry
  - Reluctance on the part of industry to participate – addressing cyber is considered company IP
  - Projects committee recommended terminating any additional effort for this task
  - Any future effort should be coordinated with other existing cyber project efforts that might be underway with other NDIA divisions, e.g. the Cybersecurity Division
  - Framework for Cyber security of ATE systems will most likely employ methods / procedures detailed in the DoD's Application Security Technical Implementation Guide which is based on NIST documents and details how to manage and maintain a secure software – based system

- Interest expressed by USAF about how to ensure “cyber safe” 3<sup>rd</sup> party instrumentation – is this adequately addressed by current commercial instrument vendors?
- TPS IPT effort – Bill Ross suggestion that projects team engage with Navy on this effort
- Other suggestions?



# **Thank you for attending the NDIA Automatic Testing Committee (ATC)**

**Committee Meeting**

**November 17, 2020**