Presented to: HAMA



It's been 2 years... how are things going?



Approved for public release; distribution unlimited. Review completed by the AMRDEC Public Affairs Office 20 Mar 2015; FN6425.

TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

Presented by:

Jeff Langhout

Director, Aviation Engineering

U.S. Army Aviation and Missile Research, Development, and Engineering Center

10 April 2015







- Global Cooperation
- Commerciality Determinations
- Relationship Building
- What Jeff learned on his big adventure...



DoD Cooperation







National Airworthiness Council

A REAL POINT TO A REAL POINT T	
JOINT AERONAUTICAL COMMANDERS GROUP SMANING FOR LAND UNTER FIELD AND AN AUTOM AND	
MEMORANDUM OF AGREEMENT kerven ha UNITED STATES AR FORCE, de UNITED STATES NAVY, and he UNITED STATES ARMY	
SUBJECT: Mutual Acceptance of Airworthiness Certifications, Assessments, and Data	
1. References.	
 <u>Department of Defense Policy/Instructions</u>: DoDD 5030.61, DoD Airworthiness Policy, May 24, 2013 (or subsequent) 	
 <u>Department of Defense Handbooks</u>: MIL-HDBK-516B, Airwarthiness Cartification Criterio, Change 1, Pebraary 29, 2008 (or subsequent) 	
 <u>Air Force Policy/Instructions</u>: AFPD 62-6, USAF Alewarthinsas, June 11, 2010 (or subsequent); AFI 62-601, USAF Alewarthinsas, June 11, 2010 (or subsequent) 	
 <u>Army Policy/Instructions</u>: Army Regulation 70-62, Airworthiness Qualification of U.S. Army Airway Systems, May 21, 2007 (or subacquent) 	
 <u>Nevv PoliceEnstructions</u>: NAVAIR/NST 13034.1D, Flight Clearence Policy for div Vehicles and diverg@Systems, March 15, 2010 (or subsequent) 	,
2. Propers. Task benefacione has a findementi incrementitivo e neure da cin assugad cinedi evento de la cineta de la ci	r
3. Background, Paler va the initial signing of this MOA to 2008, and US for backet and matching in the state and restantiated investments approach as archites for a stateant of metantical investments and an activation at a stateant of the stateant of	

MIL-HDBK-516C **Airworthiness** DEPARTMENT OF DEFENSE HANDBOOK Criteria ٠ AIRWORTHINESS CERTIFICATION CRITERIA **Standards** ٠ Methods of ٠ Compliance



Source: https://www.iti.do.mit - Devrivated 2015-02-00716-062 Check the source to verify that this is the current version before or

Tri-Service Memorandum of Agreement

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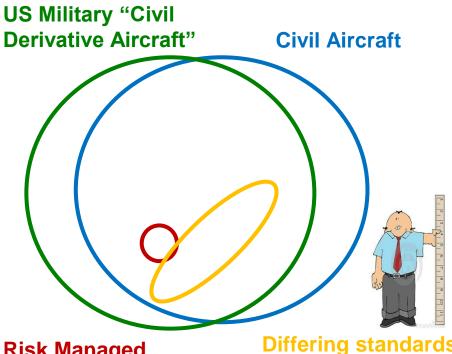


FAA is trusted agent

DoD Assess for:

- Configuration
- Usage
- **Operating Environment**

FAA Military Certification Office assists with STCs, data, etc. Delta testing/analysis by DoD Extends to CAAs w/ BASA



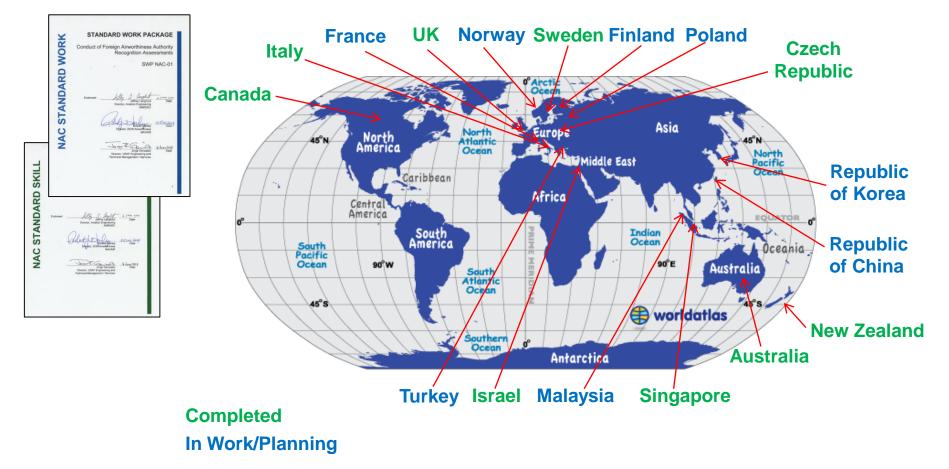
- **Risk Managed**
- Incomplete data
- Fails to meet applicable standards

Differing standards between US Service and FAA/CAA

Foreign Military Authorities Global Cooperation







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CERTIFICATE OF RECOGNITION

Reference Number

MAA-NAC-007

Pursuant to United States Department of Defense policy on recognition of other Airworthiness Authorities and of foreign Military Airworthiness Authorities and subject to the conditions specified below, the Director of Aviation Engineering, on behalf of the Airworthiness Authorities of the of the United States Army, the United States Navy and the United States Air Force, formally recognizes the

Military Aviation Authority of Sweden

as a competent Military Airworthiness Authority performing airworthiness inspection, airworthiness certification, production oversight and continuing airworthiness oversight of all aircraft under their airworthiness auspices and of organizations approved under their authority supporting these same functions.

Conditions

- This recognition is valid while the Sweden MAA remains compliant with all current laws, regulations, and processes as identified in the Military Authority Requirements Questionset.
- 2. The Sweden MAA will comply with the conditions set forth in the accompanying recognition letter.
- 3. The Sweden MAA maintains a program of continued surveillance and internal quality monitoring.
- 4. This recognition of the Sweden MAA is in effect for four years from the date of this memorandum.

Date of Issue 2 MARCH 2015

by I tanghast

JEFFREY L. LANGHOUT, SES Director of Aviation Engineering US Army





- Why do ACC-Redstone and DLA-Huntsville use AED for commerciality determinations?
 - AED provides the technical and engineering expertise to ensure that an military item does in fact meet the commercial item definition of FAR Part 2.101 especially when it comes to the "of a type/Similar Item" and "Minor Modifications of a Type" scenarios.
 - AED provides the clauses needed to maintain airworthiness under a FAR Part 12 Contract.





- AED BIG 3
- ACC dedicated KO and specialist co-located with AED
- Foreign MAA recognitions and tri service recognition
- Awards from the PMs
- Rotational Assignments
 - AED personnel to PM shops
 - Functional and Systems divisions w/in AED
 - Liaison Engineer assignments
- MG Richardson extended invitation to AED to speak at Aviation PCCs
- Data from Mr Shipley
- MG Lundy support
- Providing solutions via MECs and LE support (Afghanistan, Kuwait, Liberia)
- 2014 VE Outstanding Achievement Award
- New LE Rotational Assignments at Fort Rucker
- Monthly AAAA Tech Talks, AHS Papers
- Key Products
 - Numerous and critical Commerciality Determinations
 - >100 AWRs per month
 - ~ 3 AQPs per month
 - ~ 2 AWIS per month
 - ~ 1400 MECs per month
 - Unit visits to train rigging and analyze RTB data

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- DoD is massive
- Relationships do run the world
- Our Combatant Commanders are awesome!!
- Our soldiers, sailors, airmen, and marines are even more awesome!
- Our Army is getting smaller
- AED continues to get smaller (down about 15% since April 2013)... and we will continue to shrink... but....
- Your industry teams are integral to the success of the enterprise
 - Your employees attitudes matter too!!
- My (our) job is to make sure we take care of our business and don't get too frustrated about what we cant control. The Army needs us to do this!!!