



Unmanned Aircraft System (UAS) Executive Committee (ExCom)

25 February 2010



Agenda

Genesis of the ExCom

- NDAA Language
- Membership
- Charter and Structure
- Scope

Dyke Weatherington

Battle Rhythm/Meeting Schedule

- ExCom
- Senior Steering Group
- Working Groups

Brenda Mulac

Certificate of Waiver or Authorization Working Group

- Scope and Activities
- Progress
- Recommendations from Phase I
-

Elizabeth Lynn Ray

NAS Access Working Group

- Scope and Activities
- Progress

Leslie Smith

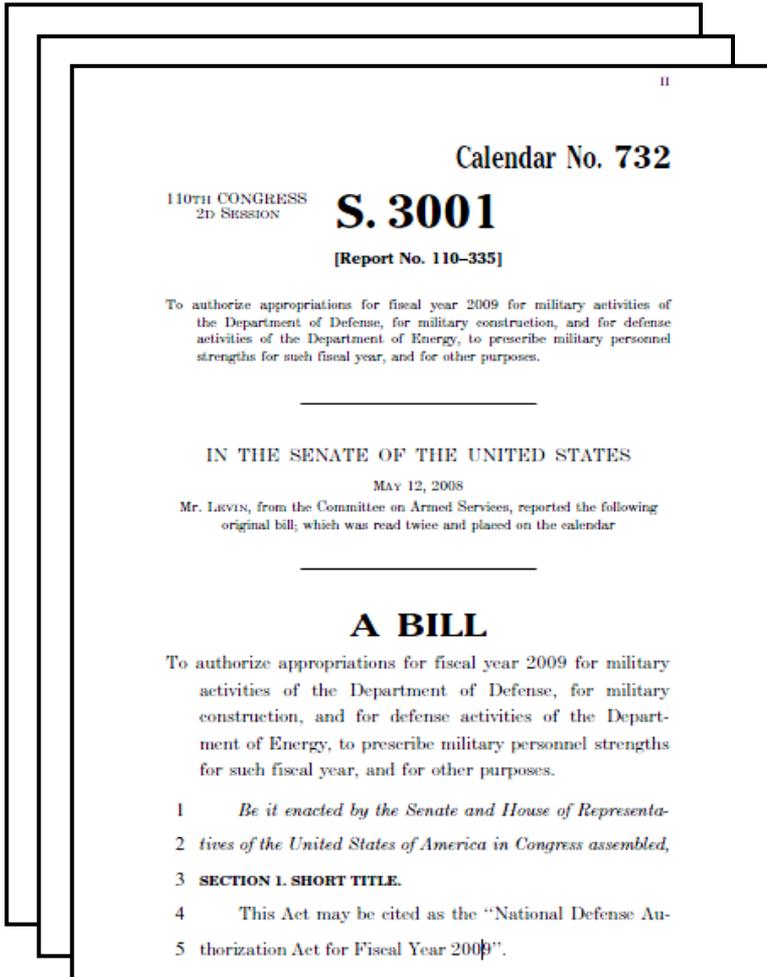
The Road Ahead

- High Level Executive Oversight
- NDAA Report

John Stanton



UAS ExCom Background



- **National Defense Authorization Act (NDAA) FY2009, SEC. 1036. Sense Of Congress On Joint DoD-FAA Executive Committee On Conflict and Dispute Resolution**
 - DoD and FAA form an Executive Committee to act as a focal point for resolution of issues on matters of policy and procedures relating to UAS access to the NAS.
 - Identify solutions to the range of technical, procedural, and policy concerns arising in the integration of DoD UAS into the NAS in order to achieve the increasing, and ultimately routine, access of such systems into the NAS.
- DoD and FAA senior leadership agreed to standup UAS EXCOM and invited NASA and DHS as members



FY10 NDAA Requirement

- 2010 National Defense Authorization Act, Sec 935 states:
 - *“The Secretary of Defense and the Secretary of Transportation shall, after consultation with the Secretary of Homeland Security, **jointly develop a plan for providing expanded access to the national airspace** for unmanned aircraft systems of the Department of Defense.”*
 - *“...A description of **how the Department of Defense and the Department of Transportation will communicate and cooperate, at the executive, management, and action levels**”*
 - *“**Specific milestones...** for providing expanded access to the NAS”*
 - *“**REPORT. – Not later than 180 days** after the date of the enactment of this Act” (signed 28 Oct 09)*



Executive Committee Members

Federal Aviation Administration

- **Mr. Hank Krakowski**, Chief Operating Officer, ATO
- **Ms. Peggy Gilligan**, Associate Administrator for AVS

Department of Defense

- **Mr. David Ahern**, Director, PSA / OUSD(AT&L)
- **Mr. Fred Pease**, Executive Director, DoD PBFA

National Aeronautics and Space Administration

- **Dr. Jaiwon Shin**, Associate Administrator ARMD

Department of Homeland Security

- **Ms. Sharie Bourbeau**, Deputy Under Secretary for Management



UAS ExCom Charter

DRAFT



**UAS EXECUTIVE COMMITTEE
CHARTER**

Approved by:

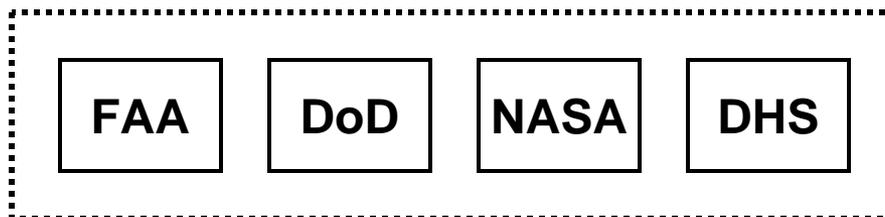
_____	_____
Administrator, Federal Aviation Administration	Date
_____	_____
Deputy Secretary of Defense	Date
_____	_____
Administrator, National Aeronautics and Space Administration	Date
_____	_____
Deputy Secretary of Homeland Security	Date

- Defines
 - Purpose
 - Organization
 - Operational Concept
- Charter has entered formal coordination through each organization.
 - FAA
 - DoD
 - DHS
 - NASA

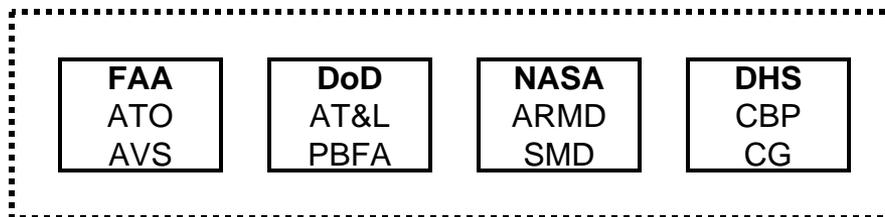


UAS ExCom Structure

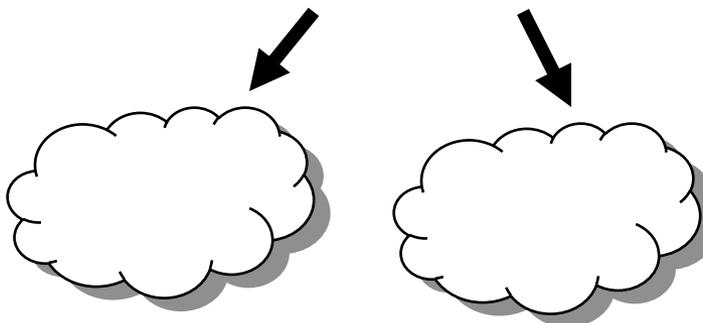
**UAS ExCom
“Senior Executives”**



**UAS Senior
Steering Group
“Agency Action”**



**UAS Working Groups
“Subject Matter
Experts”**





UAS ExCom Structure and Responsibilities

UAS ExCom

- Appoint a Senior Steering Group (SSG)
- Provide executive direction to SSG
- Approve initiatives proposed by SSG
- Resolve major, high-impact, multi-agency issues
- Approve policy

Senior Steering Group

- Identify strategic goals, objectives, and priorities
- Provide management focus
- Establish and prioritize strategic and tactical initiatives
- Resolve issues and/or identify issues for escalation
- Execute the planning process
- Establish working group (WG) charters
- Manage work portfolio – integrating the WG initiatives

Working Groups

- Established via separate charters / Terms Of References
- Task-oriented; execute initiatives as tasked by SSG
- Resolve issues and produce products
- Report to SSG; identify issues for resolution by SSG



UAS ExCom Scope of Activity

- In scope:
 - Near-term airspace access for federal public UAS, with considerations of long term strategic goals
 - Solutions to the range of technical, procedural, and policy concerns
- Out of scope:
 - Concerns relating uniquely to civil UAS access
 - Memoranda of Understanding / Memoranda of Agreements between Federal agencies
 - Issues specific to a single agency



Battle Rhythm/Meeting Schedule

- Executive Committee (ExCom)
 - High Level Executive Participation
 - Action Item assigned and reported each meeting
- Senior Steering Group (SSG)
 - Mid Level Executive Participation
 - Aggressive Schedule
 - Action Item assigned and reported each meeting
- Working Group (WG)
 - Subject Matter Expert's
 - Regular reporting to SSG



Battle Rhythm/Meeting Schedule

- ExCom
 - 3 meetings this FY commencing 10/28/09
 - 2-3 month intervals
- SSG
 - Bi-Weekly telcons
 - Monthly face to face
- Working Groups
 - As needed to meet aggressive timeline



COA Working Group

- **SSG tasked member agencies to provide their priority COA related issues in November, 2009**
- **16 COA related issues provided to SSG by the member agencies**
- **WG classified issues into three categories:**
 - **Process: 6**
 - **Operational: 5**
 - **Policy: 5**
- **Focused on “Process” issues first**
 - **Additional issues were identified and addressed**
- **Prioritized and assessed implementation difficulty**
 - **High, Medium, Low**
 - **Easy, Medium, Hard**



COA Issue Summary Matrix

	Issues	Priority	Difficulty
1	COA processing prioritization across FAA *	High	Hard
2	COA backlog *	High	Medium
3	Abbreviated approval process for COA renewals *	High	Easy
4	UAPO/ATO organizational construct *	High	Hard
5	Subjectivity of COA reviews	High	Hard
6	Lack of timeframe to COA validation	Medium	Easy
7	Lack of feedback during COA review	Medium	Medium
8	08-01 Update *	Medium	Medium
9	Lack of standard safety case methodology *	Medium	Hard
10	Offshore safety studies	Medium	Hard
11	Lack of COA application quality control	Low	Medium
12	Video mapping/ATC training requirements	Low	Easy
13	Unclear COA application language	Low	Easy
14	Lack of COA process transparency	Low	Easy



COA WG Path

- Work Process Issues/Recommendations
- Begin Operational Issues work in February 2010
- Begin Policy Issues work in March 2010



NAS Access Working Group

- Charter
- Expectations / Outcomes
 - Recommendations of how current technical, regulatory and legal issues may be addressed to increase safe NAS access for Federal UAS
 - A UAS NAS Access Plan.
- Proposed schedule:
 - Working Group kickoff meeting - 26 Feb 2010
 - Plan outline – Mid March 2010
 - Draft plan for SSG review – 31 May 2010
 - Final draft for ExCom – 30 June 2010



The Road Ahead

- Congressional Oversight on Progress...
- All Agency Executives understand the requirement for SUCCESS
- Right Time to Add other Agencies



NDAA Report

- Plan to report on objective one (dialogue)
 - April 2010
- Plan to report on objective two (NAS Access Plan)
 - October 2010



Wrap-Up

- Questions
- Panel and SSG Members:
 - Dyke Weatherington – AT&L DoD
 - Leslie Smith – Aviation Safety FAA
 - Elizabeth Lynn Ray – Air Traffic FAA
 - John Stanton – DHS
 - Brenda Mulac - NASA