

Headquarters U.S. Air Force

Integrity - Service - Excellence

Air Force Safety Center RPA Branch



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**HQ AFSC/SEFQ
Lt Col (Maggie) Howard
Chief, RPA Branch
CNS/ATM Conference
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Air Force Safety Mission



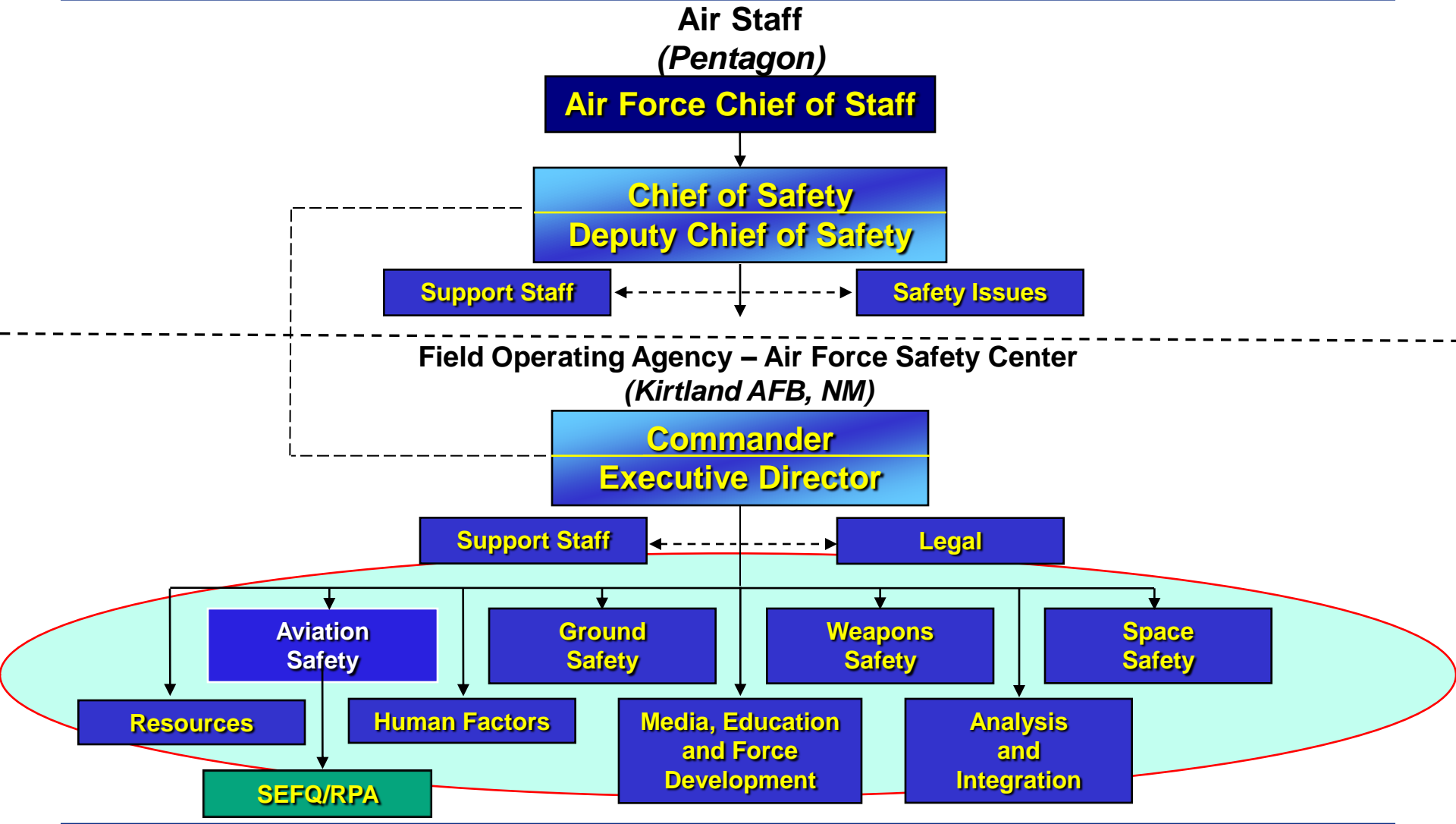
A world class safety organization protecting and preserving Air Force combat capabilities through mishap prevention

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The AF Safety Organization

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RPA Branch Mission

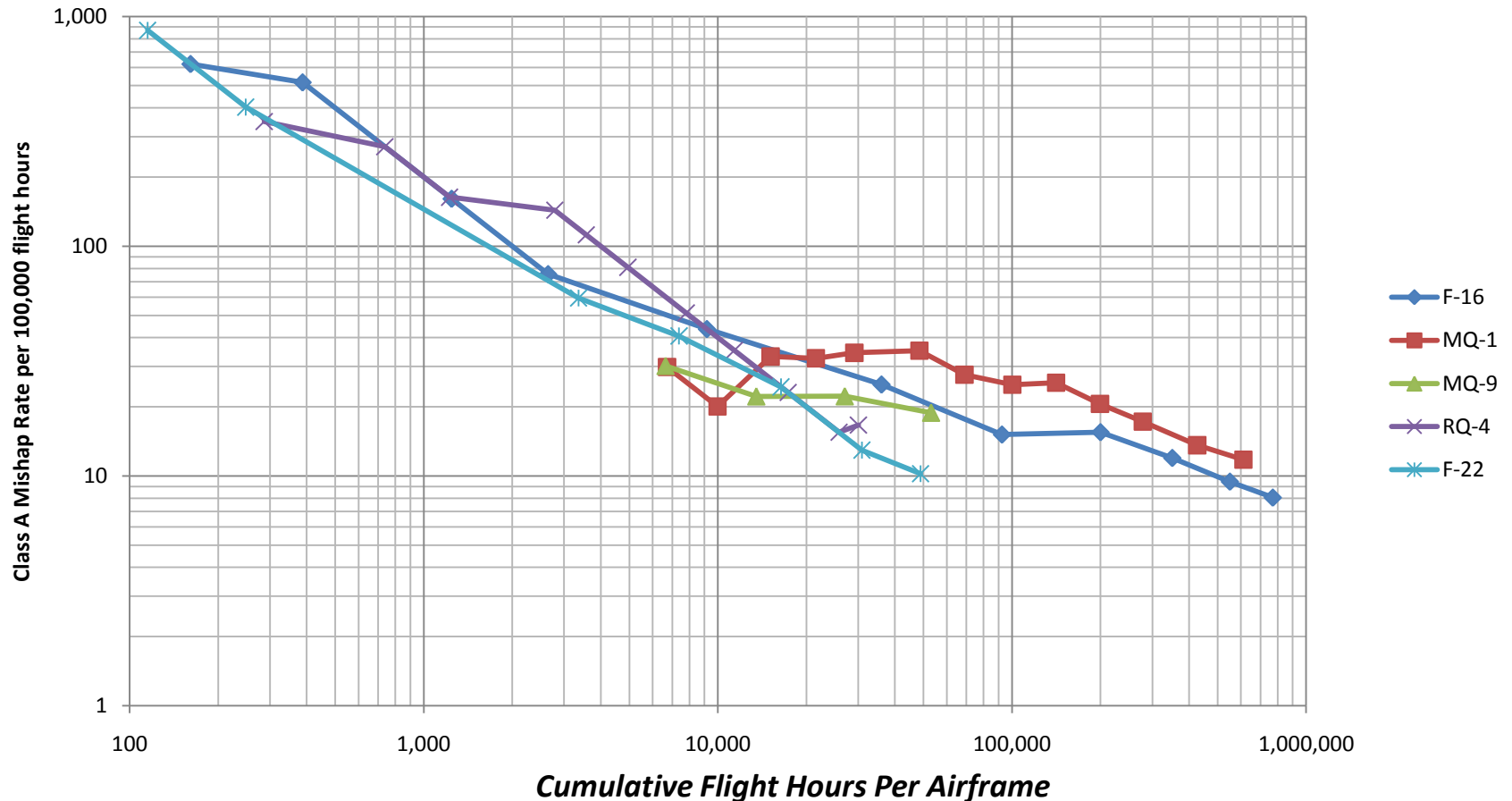
- **Develop AF RPA Safety policy**
- **Support Safety Investigation Board (SIB)**
- **Perform safety studies and risk management assessments in support of National Airspace System (NAS) integration**
- **Develop USAF Ground-based Sense-and-Avoid (GBSAA) safety case template**
 - **Build safety case for Cannon AFB as Proof of Concept**
 - **Author RPA risk management for other USAF operating locations**
- **Contribute to System Safety Groups**
- **Provide RPA education and training**



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USAF RPAs are maturing similarly to Manned USAF Fleets

USAF RPA's historical mishap rates are similar to rates posted by F-22s, F-16s and other USAF aircraft fleets at the same points in their life cycles.





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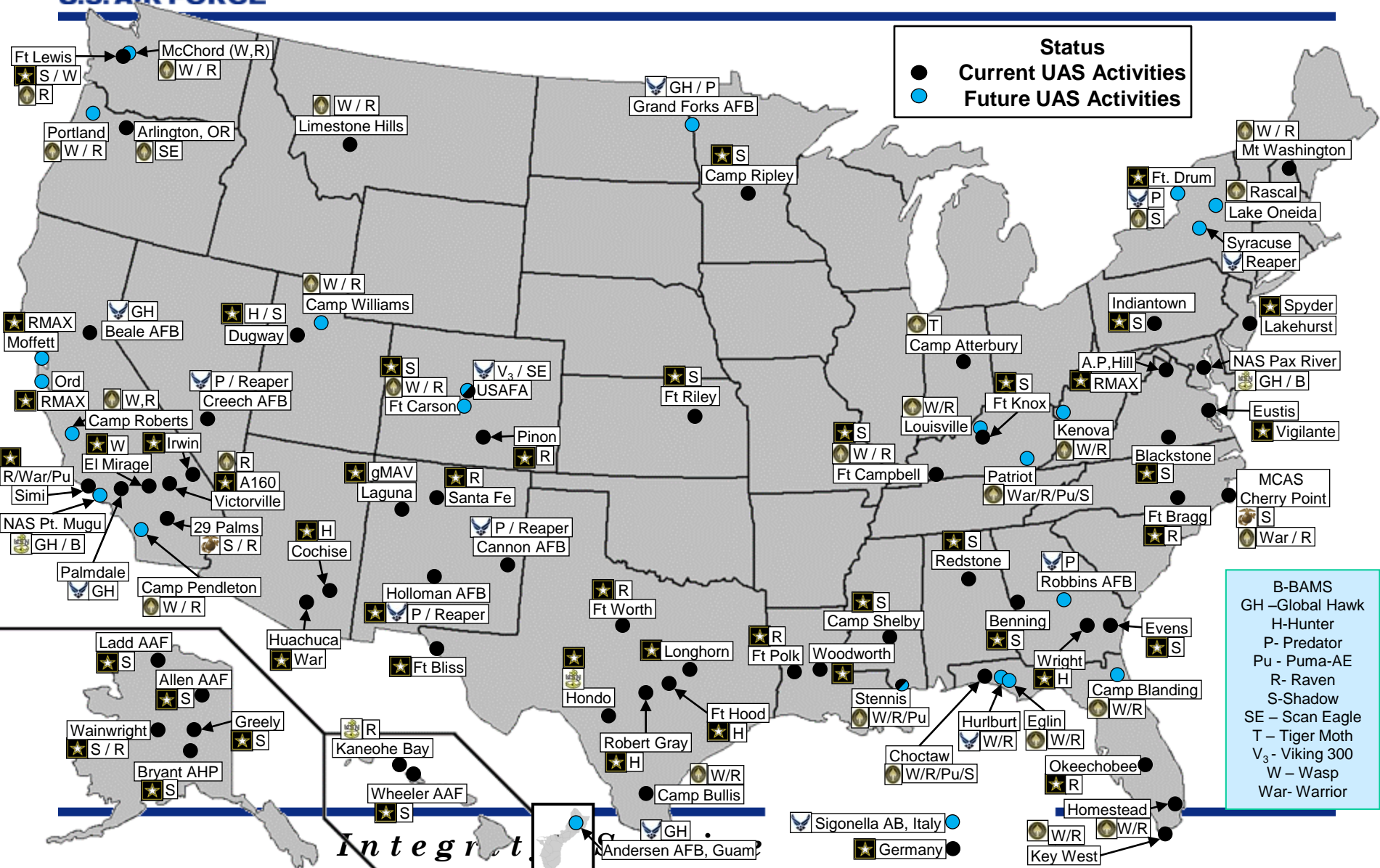
	Air Force
	Army
	Navy
	Marines
	SOCOM

RPA DoD Ops Activities

Current and Projected

Status

- Current UAS Activities
- Future UAS Activities



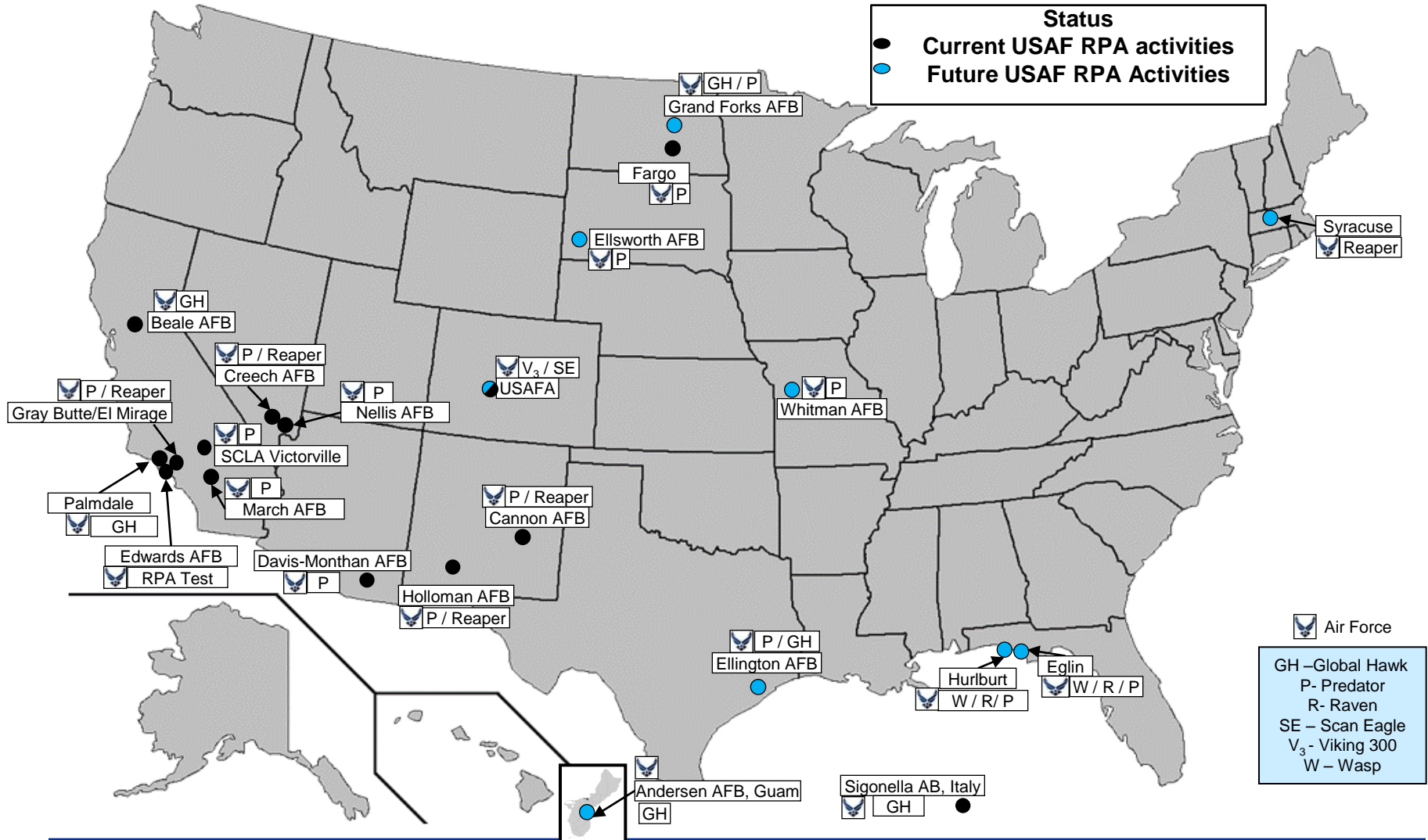
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USAF RPA Activities

Current and Future



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GBSAA Current Effort

- **NAS Integration is a DoD/Air Force focus**
- **HAF/A3O is the AF lead for NAS integration and Certificate of Authorizations**
- **HAF/A3O developed the Concept of Employment (CONEMP)**
 - **Overall proposed operations**
 - **Safety case to support CONEMP**
- **AFSC/RPA Branch**
 - **Supports HAF/A3O**
 - **Provide safety, airspace/air traffic, data/research and human factors analysis**
 - **Review/comment on CONEMP**
 - **Develop operational safety assessment (safety case)**
 - **Weekly technical telecons on GBSAA**
 - **Participate in RPA System Safety Group**



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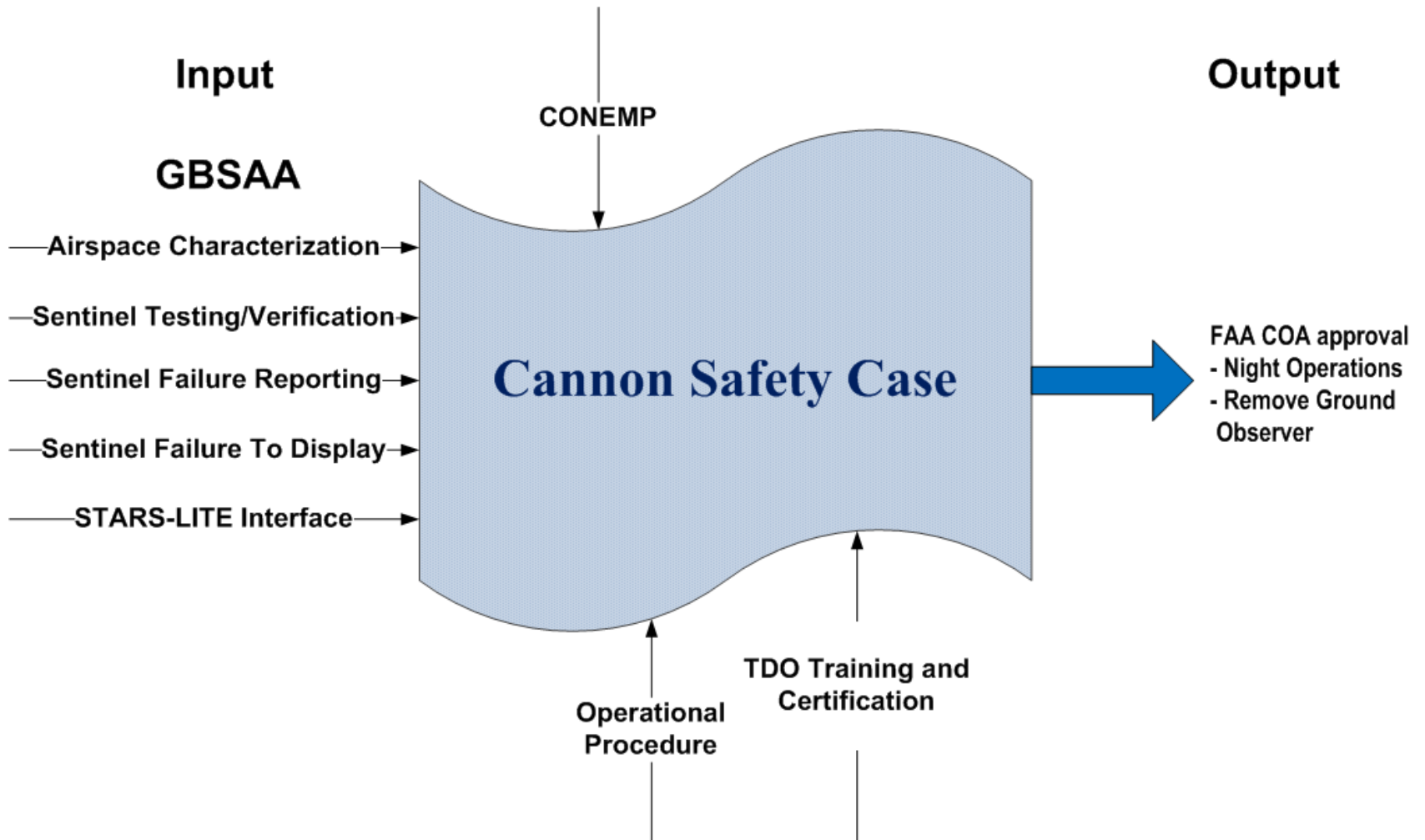
GBSAA Current Effort Cont.

- **Expand collaborative/engagement roles with:**
 - **RPA Task Force, Air Staff, Major Commands**
 - **DoD government services, NTSB, FAA, Department of Homeland Security, Industry, etc.**
 - **Apply cross-service lessons learned**
 - **Support standardizing operational procedures.**
 - **National Airspace System**



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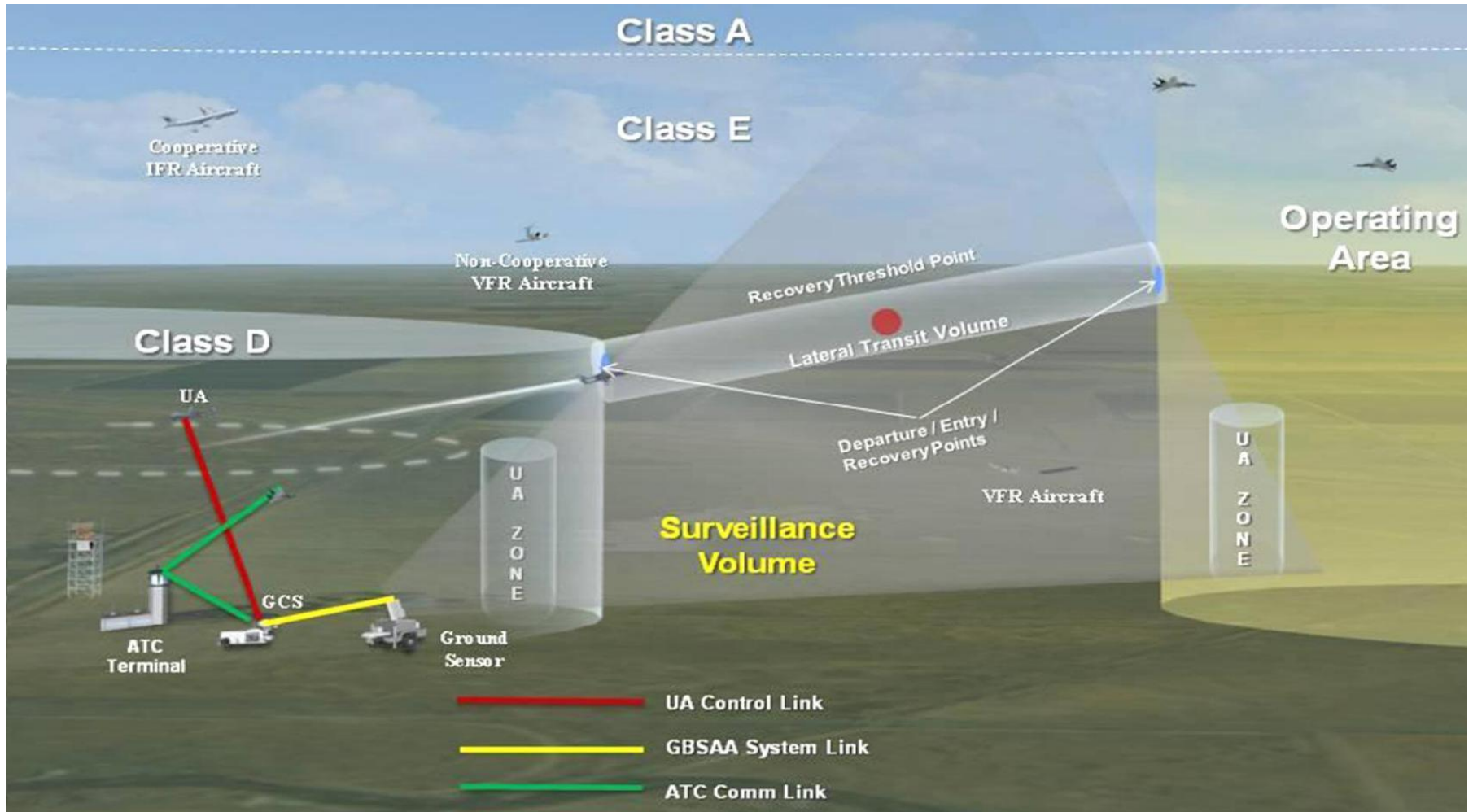
GBSAA Safety Case Process





Cannon GBSAA Current Effort

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Summary

- SEFQ is charged with safe RPA integration in the NAS
- AF MQ-1, MQ-9 and RQ-4 are currently operating at several U.S locations
- USAF RPAs are maturing similarly to manned USAF fleets



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Questions?



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