

Guiding Question #1

As the NAS modernizes, and diversifies, surveillance becomes particularly important. What are the key challenges and what efforts are underway to overcome them?

Lack of capital budget

are there ways to comply for short term?

Education Sharing information

Changes in airspace

Must keep pace or keep a step ahead

Drones are dynamic

is FAA providing separation coverage?

Paradigm shift across the total workforce

Supplemental data service provider- What decides the source of truth?

how do we integrate gap filler systems?

primary radar a continuing part of mosaic of systems of radar

ID and Flight Plan needs to tie to Surveillance

Integrating UAS; how to merge into the NAS safely

Acquisition limitations?

Guiding Question #2

What will it take to certify new cooperative and noncooperative "radar" systems at the pace of the rapidly growing need?

needs alot of work!

Balance cost (expensive) with budget

has FAA really taken control of UAS?

Is it one tech or many that need to be introduced?

track accuracy and service volume

meeting all needs but safely

paradigm shift

Tech does exist

Garmin Outage avoidance

many opinions how best to do it

Virtual Long Range Radar and gap filling sensors

Adoption of tech that exists- this is hard

Blockchain- tamper resistant but can it scale?

Collection of data from disparate sources, how to determine IAM is maintained

Certified system- this can explode the potential of UAS

where you operate/how you operate/ find alternate ways for safe operation - FAA in major rethink

Leverage passive capabilities

Alternate contracting methods (OTA, CRADA)... access to smaller suppliers

Guiding Question #3

How can we as a community collaborate to shape and accommodate the integration of new types of systems within the NAS?

SWIFT User Forum

Moving at the speed of safety- we need to rethink this mentality

CRADAs, OTAs

Reuse what works and incorporate innovation

Working group participation (and diverse views) is key

IPP

Share more artifacts or a central repository of test data

Holistic understanding is key

space based ADS-B (hot topic) how to look at benefits from this (need to work through the plug and play aspect)

How early is too early? Never.. collaboration should start early

dont just look from sensor prospective

Some of these emerging ANSPs are able to leap frog- Can we access Data from them?

maybe we can share services between systems

RTCA- can come together to shape requirements and discuss how to test

How to gain cultural acceptance of all of this