UTM Key Site Operational Evaluation

FAA – Operator Consortium Meeting





Agenda



- Previous Actions
- Discussion Around Policy Areas
 - Operational Priority
 - Conformance Monitoring
- Key Site Perspectives, Policies, and Data Collection



Previous Actions

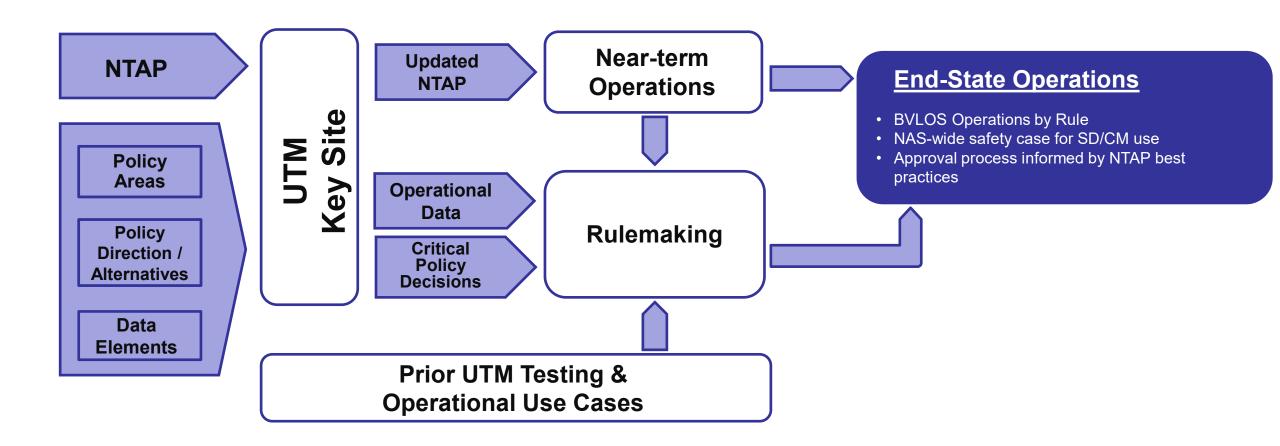


- (FAA): Develop prioritized list of policy topics
 - Industry requested a targeted list of desired outcomes, risks, and/or open questions
 - Statement on equity
 - Policy guidance on data sources for geo awareness



Background – Policy







Policy Areas





Category	Topic
	Operational Prioritization
Equitable Access and Efficient Use of Airspace	Advisory Constraints
Lincient Ose of All Space	UTM Generated Restrictions
Controlled Airenace Acces	Relationship between SC/CM and airspace authorizations
Controlled Airspace Access	Unique SC/CM functions for controlled airspace
	Operational intent conflicts
	Digital flight notifications
Safety	Contingency operations
	Conformance Monitoring
	Participation Requirements
	Qualifying services
Qualification and Oversight	Testing services
	Historical Query Requirements
	oAuth server ownership
nfrastructure	DSS ownership
	Message Signing

UA-UA Operational Prioritization



Topic	FAA Perspective
Operational Prioritization	FAA advocates for equitable access to an airspace that is free for all. FAA is committed to maximizing value for diverse users by developing criteria for the consideration and management of competing requests for airspace access.

TM Key Site

One priority level for all operations

UTM Key Site OE
Operational Prioritization

Emergencies	Military operation
Operations needing priority	National security operations
Public service operations (e.g., air ambulance, law enforcement)	FAA designated missions (e.g., SAR, Flight Check)

Data Collection Considerations

End-State

Policy for operational priority levels and UTM service requirements

Industry FeedbackPerspectiveKey Site ApproachData CollectionIndustry Feedback



Conformance Monitoring



Topic	FAA Perspective
Conformance Monitoring	As the NAS experiences an increasing integration of UAS, the challenge of maintaining a safe and efficient airspace for all users has evolved. Conformance monitoring mitigates UA-UA risk by ensuring that all UAS operate within their deconflicted zones, maintain transparent communication with other users, and consistently remain aware of their location and intended operations.

UTM Key Site

Aggregate Conformance Monitoring (CM)

Initial Key Site Operational

No Initial CM for Situational Awareness

UTM Key Site OE
Operational

Validate Strategic Conflict Detection safety case

Best methods for determining conformance

Data Collection Considerations

Develop CMSA safety case

Additional requirements CMSA

Data Collection Considerations

End-State

Policy for CM and reportable occurrences

Policy for CM and reportable occurrences

Industry Feedback	
Perspective	
Key Site Approach	
Data Collection Needs	



Additional High Priority Policy Discussions



- Advisory Constraints
- UTM Generated Restrictions
- Operational Intent Conflicts

