



CDM

Collaborative
Decision Making

Future Concepts Team -FCT-



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Collaborative
Decision Making

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STATUS: CLOSED

FCT TASKING

Tasking 56:

Space Operations and Unmanned Aircraft Systems NAS Study



- This tasking was closed and a recommendation was presented to the CSG.
- Potential for future tasking for FCT or other CDM Sub-Teams

STATUS: CLOSED

FCT TASKING

Tasking 57:

Aircraft Access to System-Wide Information Management (AAtS)

- Validated operational scenarios
- Provided feedback on possible future use cases
 - *AAtS has ongoing inflight demonstrations*

This tasking was closed. The AAtS ConOps is complete and they will continue to move forward with this project.

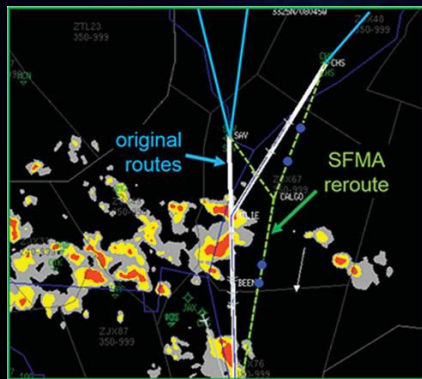
STATUS: CLOSED

FCT TASKING

Tasking 61:

Strategic Flow Management Application (SFMA)

- FCT participated in a HITL on Flight Operator Collaboration and Advanced Reroutes.
- FCT helped to evaluate and validate the concept and provided input and comments.
- Significant value from having industry input for the first time



This tasking has been closed. Possible additional tasking in the future

STATUS: OPEN

FCT TASKING

Tasking 60:

Advanced Methods – Operational Response Development

- Uses weather forecasts, flight schedules, historical traffic demand and historical TMI responses
- Suggest TMI strategies based on historical events
- Evaluate potential strategies through simulation
- Provide adjustments as the situation develops

FCT is providing input to develop the framework for collaboration, helping to develop the input metrics and providing feedback on scenarios and use cases

STATUS: OPEN

FCT TASKING

Tasking 63:

Advanced Methods - Constraint Prediction, Monitoring and Alerting

- Targeting enhancements to TFMS to improve predicting and monitoring of constraints in the NAS and better alert the TM of these constraints.
- Improved Sector Alert capabilities
- TFMS Consolidated System view
- New alerts for TMI metrics and Delays

FCT is providing input on use of TFMS functions and proposed enhancements, and validating Operational Scenarios

STATUS: OPEN

FCT TASKING

Tasking 67:

4 Dimensional Trajectory (4DT) Demonstration Project

- This project demonstrated the key 4DT Trajectory Based Operations services:
 - Dynamic Required Navigational Performance (D-RNP)
 - Advanced Interval Management (A-IM)
 - Air Traffic Control (ATC) Winds
 - Demonstrated the use of the Aeronautical Telecommunication Network Baseline 2 (ATN-B2)

FCT provided input to help validate and refine use cases.

Future Concepts Team

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