

Flow Evaluation Team

-FET-



CDM

Collaborative
Decision Making

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FET TASKING

- A NASA concept, Integrated Demand Management (IDM), manages demand by applying constraints on different flight phases, using:
 - RTA assignment for FCA demand delivery
 - TBFM extended metering to manage delivery to the TRACON boundary
 - CTOP for strategic demand management



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FET TASKING

- The FET is collaborating with NASA to leverage the IDM concept to further improve TBFM/TFMS data integration
 - Reviewed and provided feedback on use case scenarios and plans for the March 2016 HITL
 - Participated in the March HITL and provided feedback on IDM prototype: enhancements, usefulness, feasibility, and potential pitfalls.
 - Review and provide feedback on the draft IDM ConOps targeted for April 2016



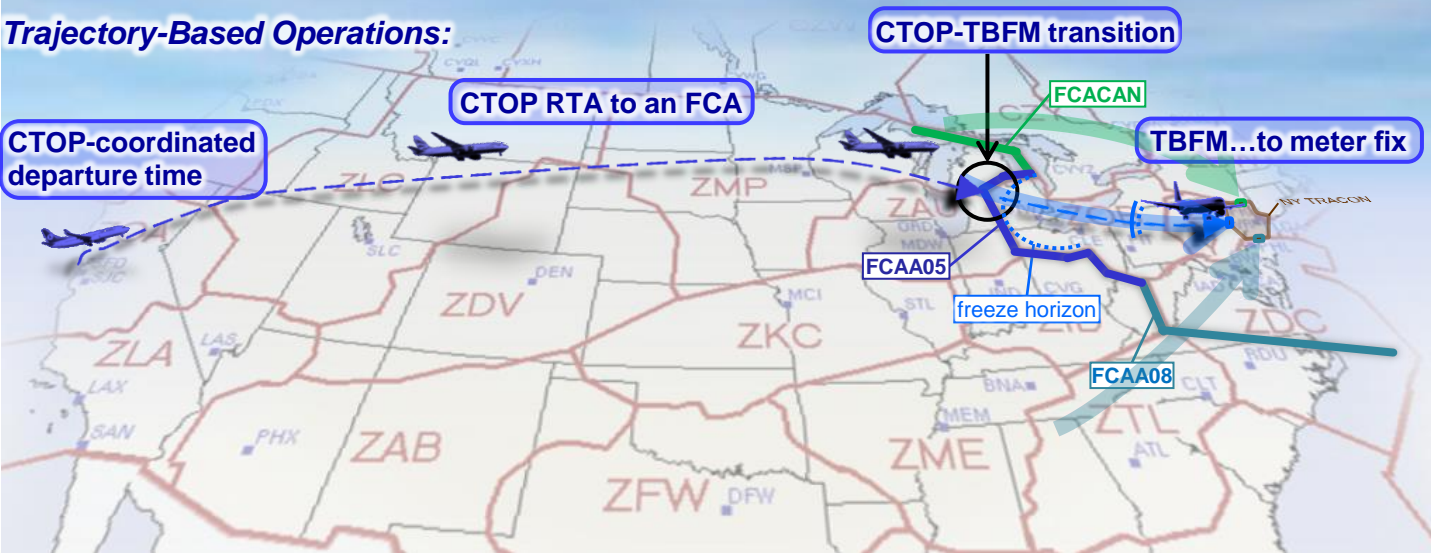
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Integrated Demand Management

Develop an air-ground TBO concept that integrates near-term to mid-term NextGen technologies to manage demand through capacity constrained resources to a capacity constrained airport, with an initial focus on New York operations.

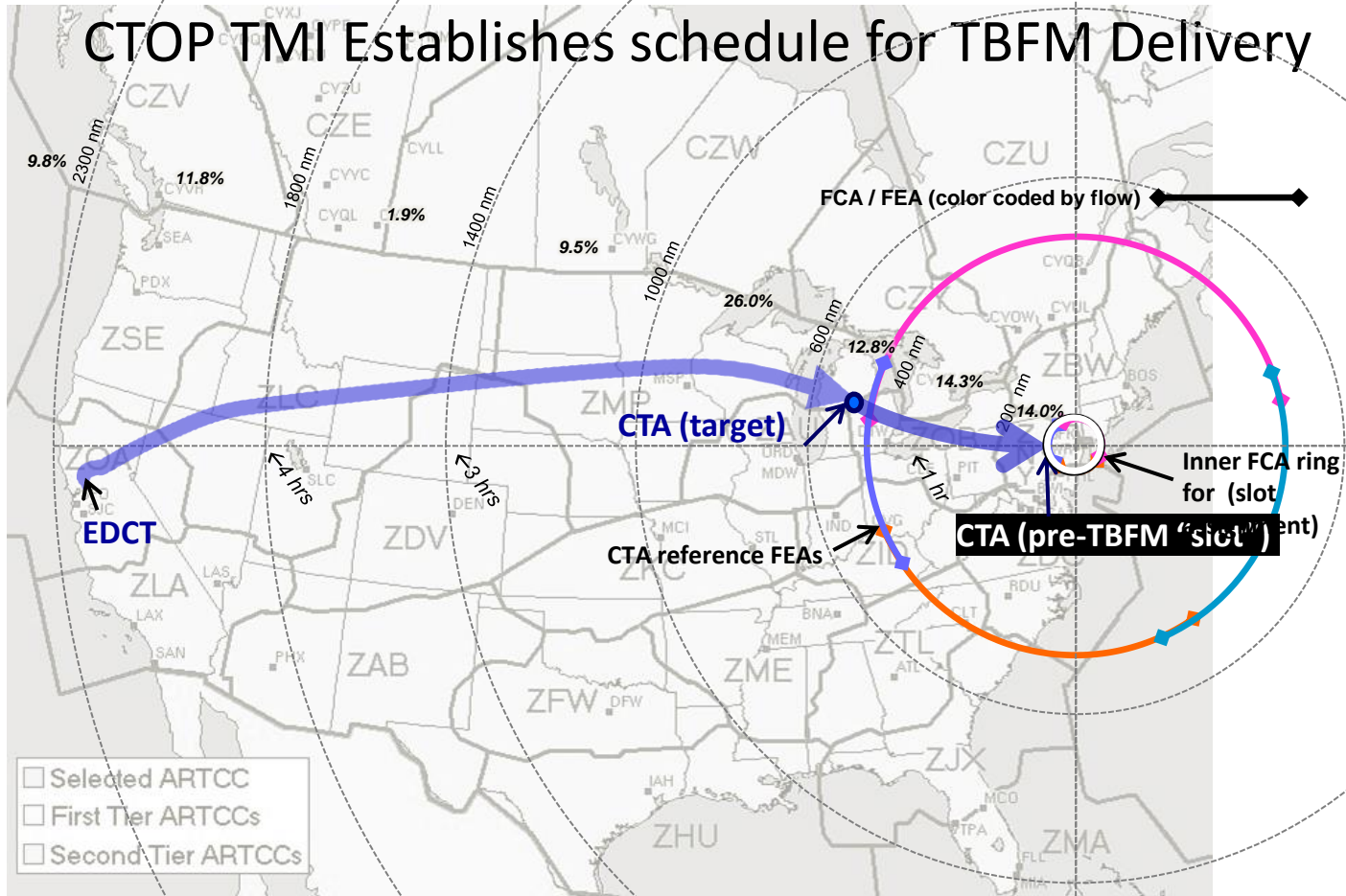
Trajectory-Based Operations:



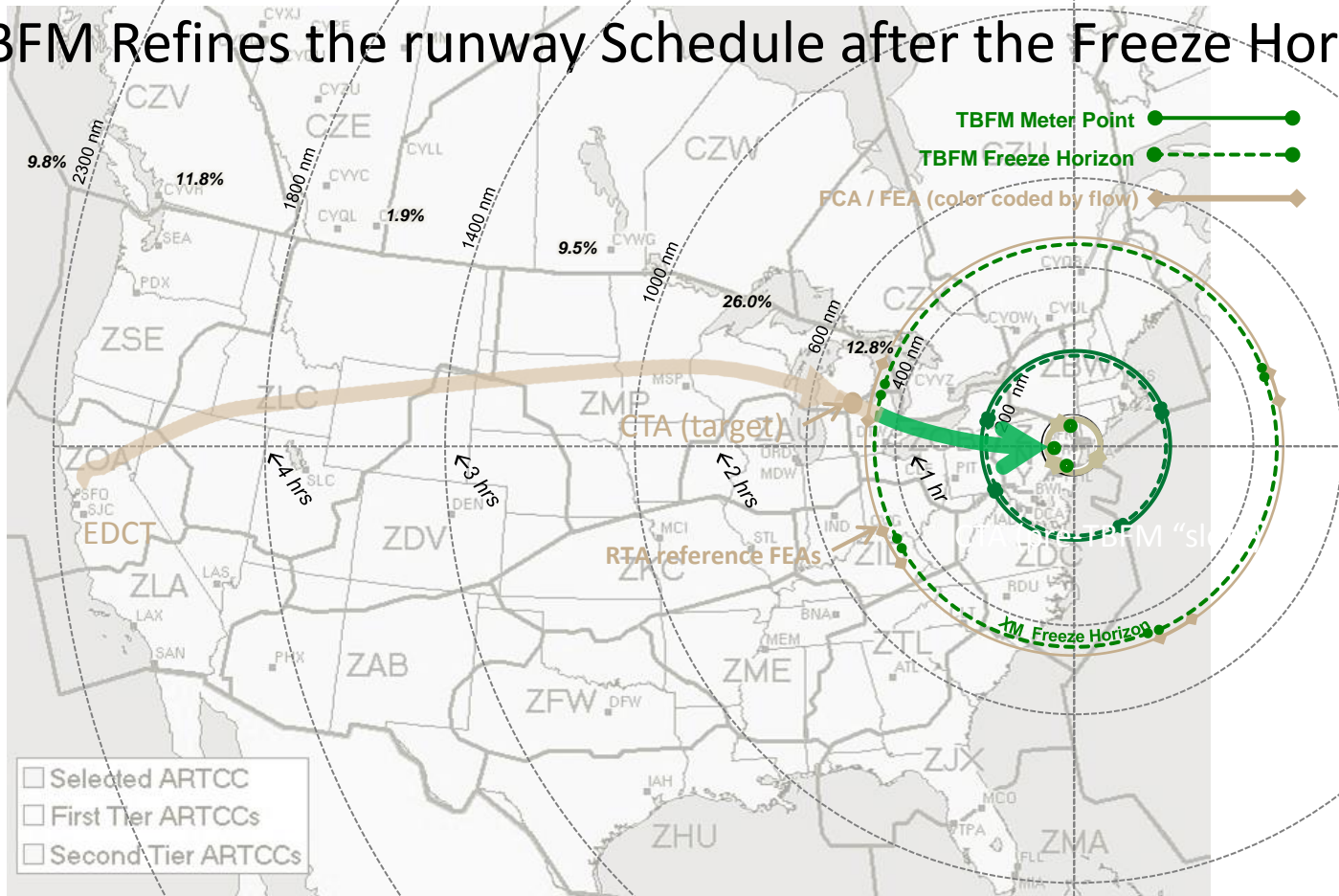
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CTOP TMI Establishes schedule for TBFM Delivery



TBFM Refines the runway Schedule after the Freeze Horizon



Next Steps

- Continuing analysis of HITL to assess results
- NASA is targeting end of April for draft report delivery to FAA
- IDM paper will be presented at ATIO (June 2016)
- Possible future tasking as the concept matures

Possible ideas for future Tasking

- The following are areas of interest that the FET might like to explore for future tasking.
 - Possible future IDM tasking, based on ongoing work
 - Explore opportunities for additional TOS usage-PDRR/ABRR
 - Mexican Routes/Playbooks
 - Analyze Capacity Estimation tools
 - Oceanic Tactical Trajectory Management (OTTM)
 - Shared NAS Awareness Tool



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