



Implementation Plan for FF-ICE R/1 Services in the US

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FAA Path to Implementation of FF-ICE R/1 Services

- **Conducted validation exercise in the laboratory environment**
- **Established a Program – Common Support Service – Flight Data (CSS-FD)**
 - To date – received approval for Initial Investment Decision
 - Ongoing – Engineering and cost analysis for Final Investment Decision



Common Support Services – Flight Data (CSS-FD) Overview

CSS-FD is a platform that will deliver modern flight information management and expedite introduction of new applications

-  Establishes standards-based flight planning and filing environment
-  Allows for early constraint evaluation and flight specific feedback
-  Provides single common reference for flight data sharing and management
-  Supports international data exchange standards
-  Enhances collaborative decision making



CSS-FD Phase 1 and 2 Capabilities

Phase 1: IID June 2022

1. Data Management & Security Framework
2. Flight Planning and Flight Plan Filing
3. Feedback by Reference
4. Return ATC Preferences

Phase 1: FID Q4-FY24

- Capabilities 1-4 above

Future Phase 2

- Enhancement of Phase 1
- Focus on Preliminary Flight Planning, management, and additional, expanded integration with other systems (e.g., TFMS/FMDS)

Phase 1 Capabilities Descriptions:

Capability 1: Data Management & Security Framework

- Data publication, conversion, matching, reconciliation, and reconstitution
- Data security and access control

Capability 2: Flight Planning and Flight Plan Filing

- File and update the associated Flight Plans with ATC automation
- Receive and respond to trial requests and flight information requests

Capability 3: Feedback by Reference

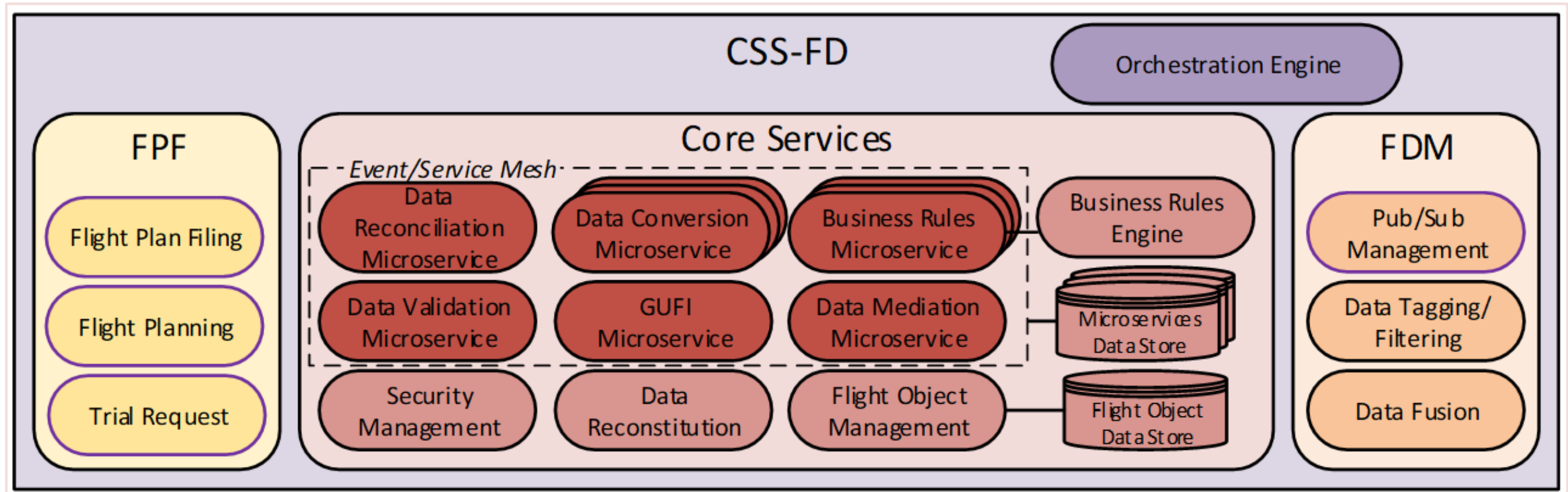
- Provide feedback by referencing constraints with updates when condition changes

Capability 4: Return ATC Preferences

- Provide ATC assigned routes and pref routes



CSS-FD Phase 1 and 2 Capabilities



Risk Reduction Activity

- **Reduce the investment risk to the overall CSS-FD program and increase stakeholder buy-in through early evaluation and refinement of proposed functionality**
 - Formal demonstration system of CSS-FD flight plan filing services (pseudo-prototype)
 - Hands-on industry participation in four months of trial activities
 - Identification of hurdles and opportunities via participant's feedback and lessons learned
- **Collaborate and advance engineering work together with airspace users**
 - File Flight Plan
 - Flight Plan Update
 - Flight Cancellation
 - Trial Request
 - Flight Data Request
 - Constraint Data Request



QUESTIONS?

Thank You!

