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FAA FF-ICE R1 Implementation

—
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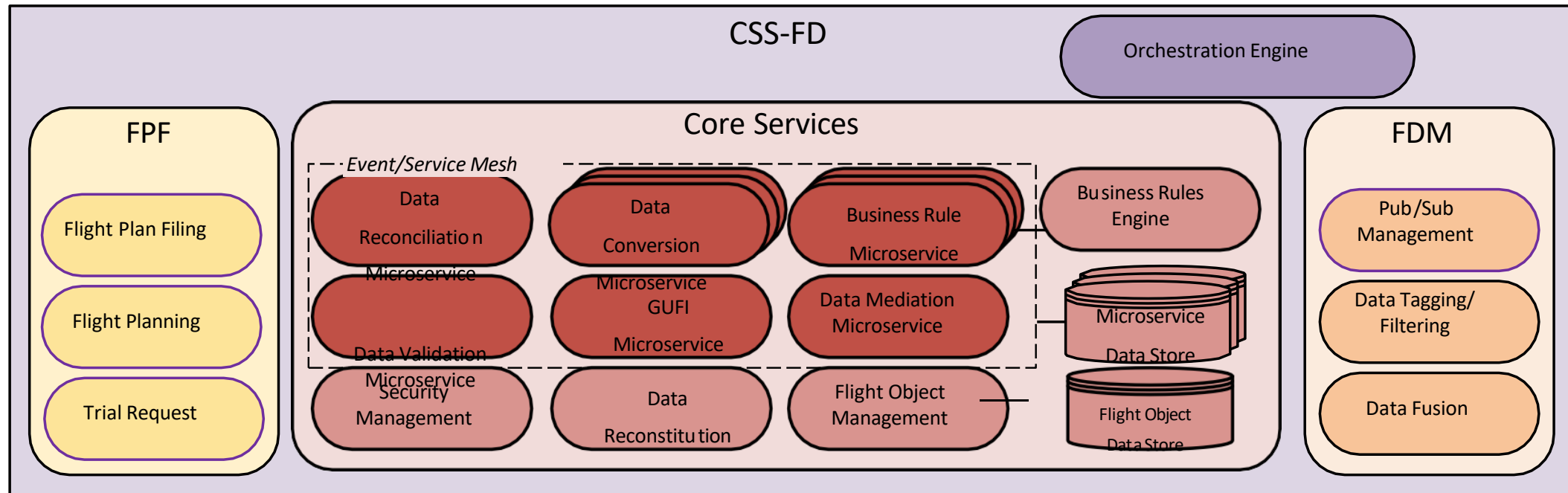
FF-ICE R1 Implementation Phases

FAA Implementation Phases

- Comprise of Infrastructure and FF ICE R1 mandatory service
 - Infrastructure
 - Cyber Security
 - SWIM enhancements
 - Data Conversion
 - Data Store
 - FF ICE R1 Services
 - Flight Planning Service
 - Flight Filing Service
 - Flight Data Request Services

CSS-FD Capability Decomposition

- CSS-FD = Common Support Services – Flight Data
- CSS-FD will provide the FAA with necessary services to implement FF-ICE/R1



CSS-FD Phase 1 and Phase 2 Capabilities

Phase 1

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

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

Future Phase 2

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

Mix Mode Operation Support

CSS-FD Mix Mode Support

- The “legacy” flight plan filing system remains active and support legacy users filing FPL2012
- FF-ICE capable user (eAU), will file eFPL to CSS-FD
- CSS-FD internally generated unique flight identifier or UFI for legacy flight plan before stores it in its Flight Object.
- For CSS-FD, ONLY the eAU’s derived GUFID will be called “Globally Unique Flight Identifier – GUFID”



Thank You