Next Steps for APAC FF-ICE Implementation Mixed Mode Considerations Transition Approach

ICA0

Next Steps

- a) Harmonising Regional Implementation
- b) Advancing FF-ICE Development and Adoption
- c) Continuous Knowledge Sharing

Survey Results – What are the immediate FF-ICE implementation topics this region should focus on?

Implementation steps Popular

harmonising the templates and message channels

6

Harmonised implementation dates and processes

5

Standardisation where there are open questions

5

Having the technical infrastructure in place to support FF-ICE

4

harmonise operating procedures

4

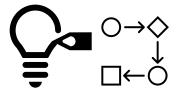
all 6 services

3

revise AMNACTOR



Harmonising Regional Implementation – Key Topics



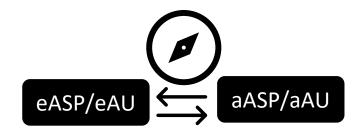
Develop operational requirements and processes for FF-ICE/R1 in APAC



Establish transition dates and a roadmap for the region



Prioritize FF-ICE elements for States' transition



Provide mixed mode Guidance



Harmonising FF-ICE Business Processes & Rules

WHY



Ensure operational consistency & flexibility for eAUs



Streamlined operations for eASPs

HOW

Subsequent discussions to determine procedures and operational requirements for FF-ICE/R1 scenarios



SWIM experts & other stakeholders



Alignment with implementation guidance

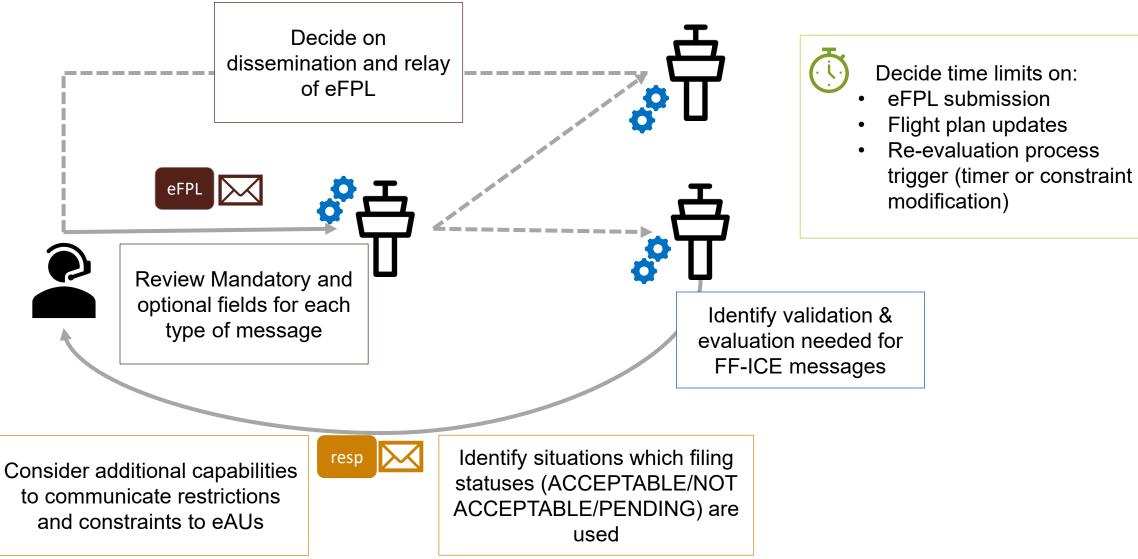
The ad-hoc group proposes to focus on 2 mandatory services first:

Filing Service

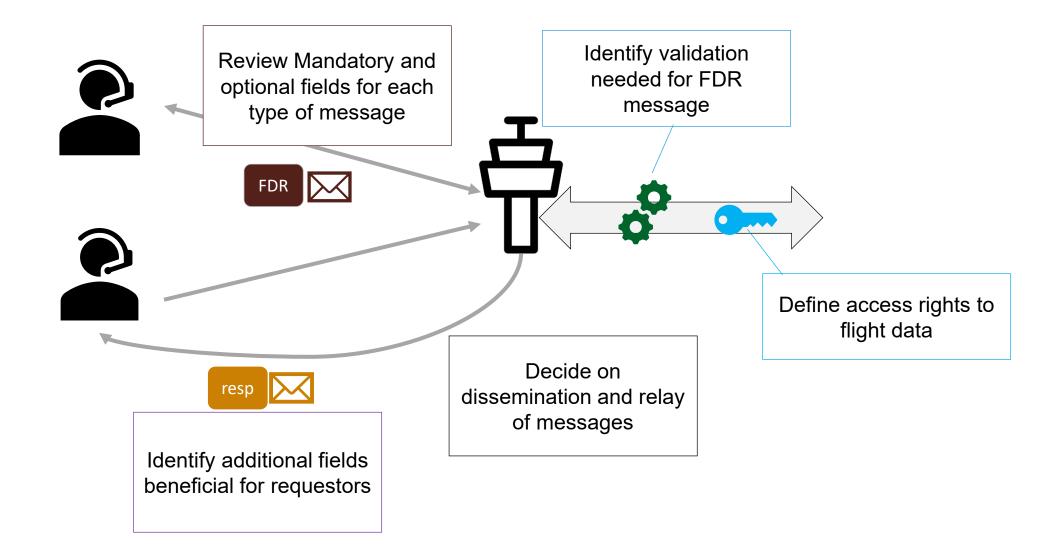
Flight Data Request Service



Harmonising FF-ICE: Filing Service



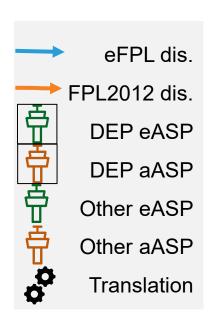
Harmonising FF-ICE: Flight Data Request

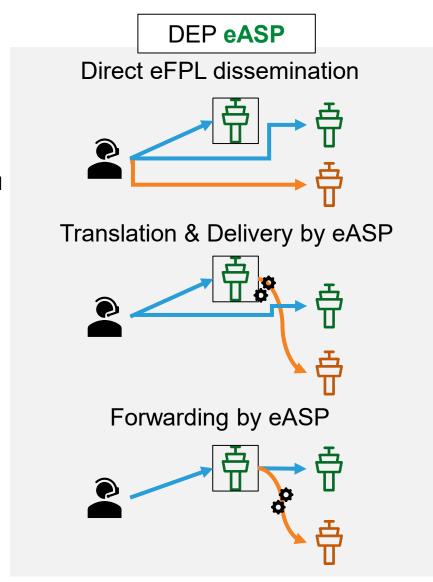


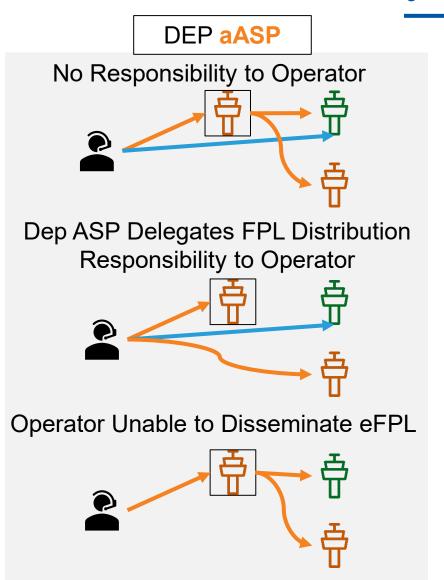
APAC FF-ICE Ad hoc Group Workshop with TTX

Harmonising FF-ICE: Mixed Environment

- APAC needs to decide:
 - Responsibility of eFPL, FPL2012 dissemination from eAUs to eASPs
 - While considering different abilities of eAUs and eASPs to submit and disseminate eFPL
- 6 scenarios to consider:

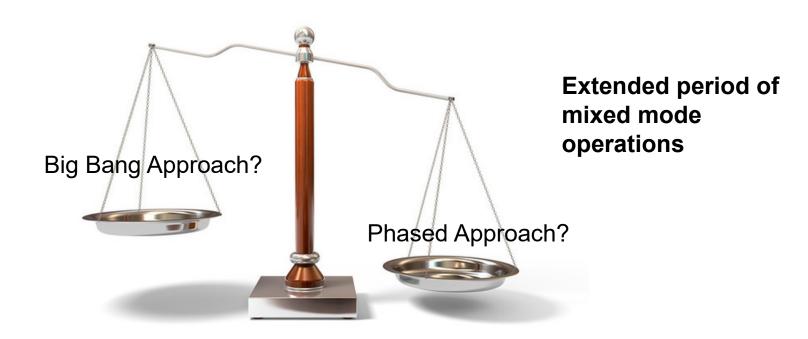






Transition Approach

Not able to cater to needs of individual ANSPs





Consequences of Prolonged Mixed Mode



Operational Complexity

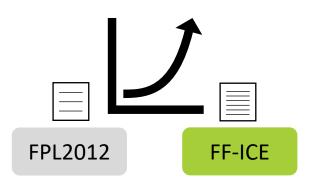
Additional Processes

Data Loss & Misrepresentation



Resource Inefficiency

Maintenance of 2 FPL formats and systems



Less efficient ATM than a full FF-ICE environment

FPL2012 and eFPL have different levels of detail and accuracy



Global Strategy

FF-ICE Implementation & FPL2012 Sunset Timeline

Release of Doc 9965, amendments to related Annexes & PANS



2024

- First installation of FF-ICE provisions focusing on pre-departure planning and negotiation
- Subsequent packages focus on flight execution phases for TBO



APAC FF-ICE Ad hoc Group Workshop with TTX

Global Strategy

FF-ICE Implementation & FPL2012 Sunset Timeline

Release of Doc States begin ICAO cease amendments to implementation 9965, amendments of FF-ICE/R1 provisions concerning to related Annexes FPL2012 & PANS 2024 2025 2027

Stakeholders specify FF-ICE system requirements

Regions start implementation & transition plans

APAC FF-ICE Ad hoc Group Workshop with TTX

Global Strategy

FF-ICE Implementation & FPL2012 Sunset Timeline

Release of Doc States begin ICAO cease Regional Sunset **Global Sunset** amendments to implementation 9965, amendments FPL2012 FPL2012 of FF-ICE/R1 to related Annexes provisions concerning (TBD) (TBD) FPL2012 & PANS 2024 2025 2027 2032 2034 Regions start implementation & transition plans Stakeholders specify FF-ICE system requirements

Regional Strategy







Coordinated Transition Plans

- Identify sub-regions/groups
- Set transition dates & tracking mechanism

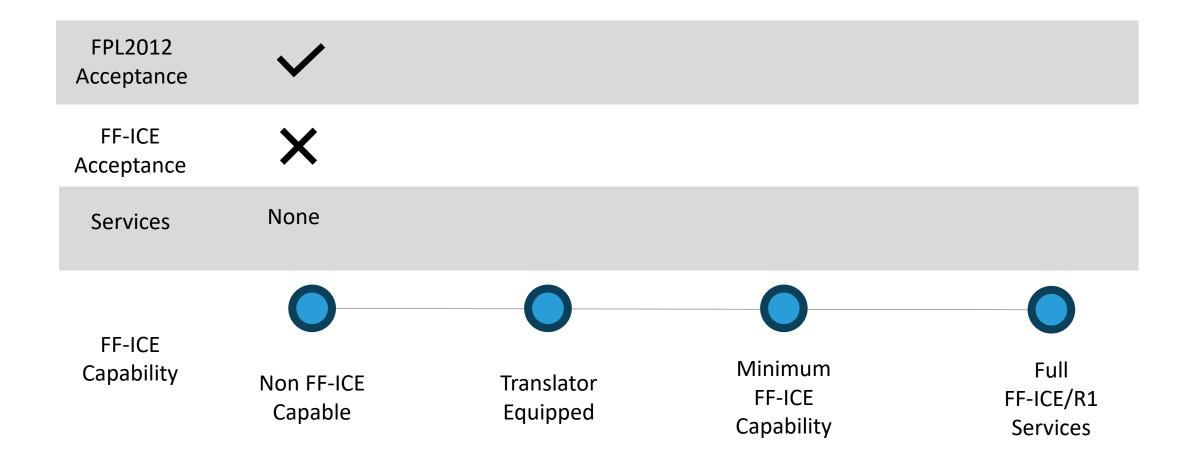
In-depth Regional Engagements & Demonstrations

- Regional Initiatives
- Working Examples
- Engagements with vendors

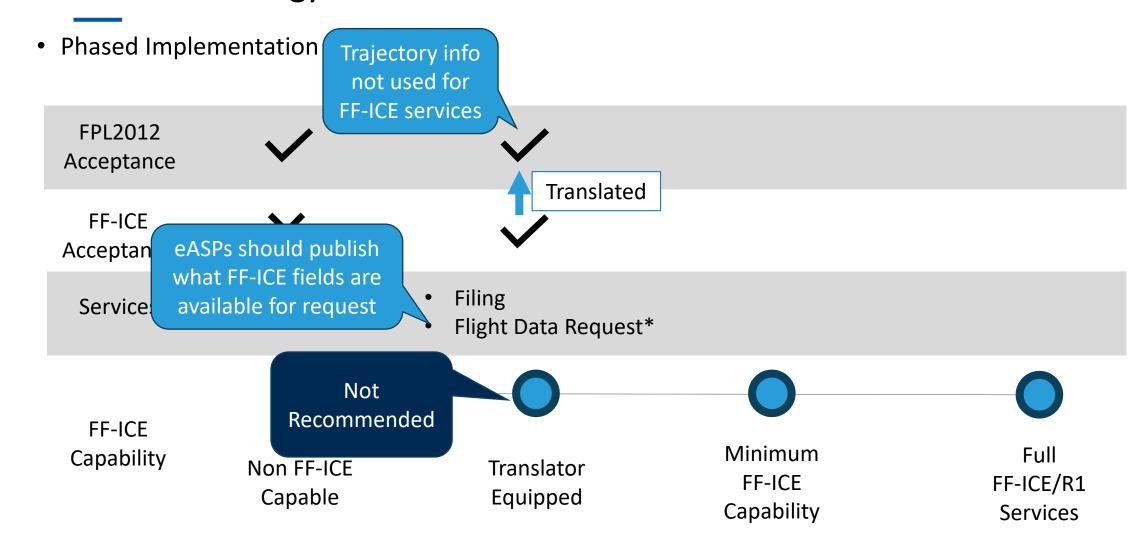
Mixed Environment Considerations

Clear communication of FF-ICE capabilities

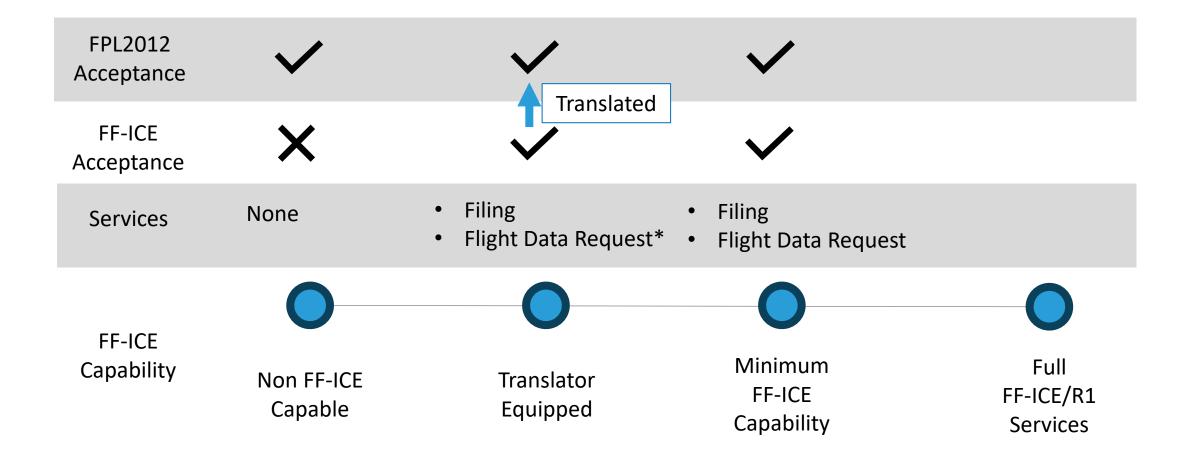
• Phased Implementation





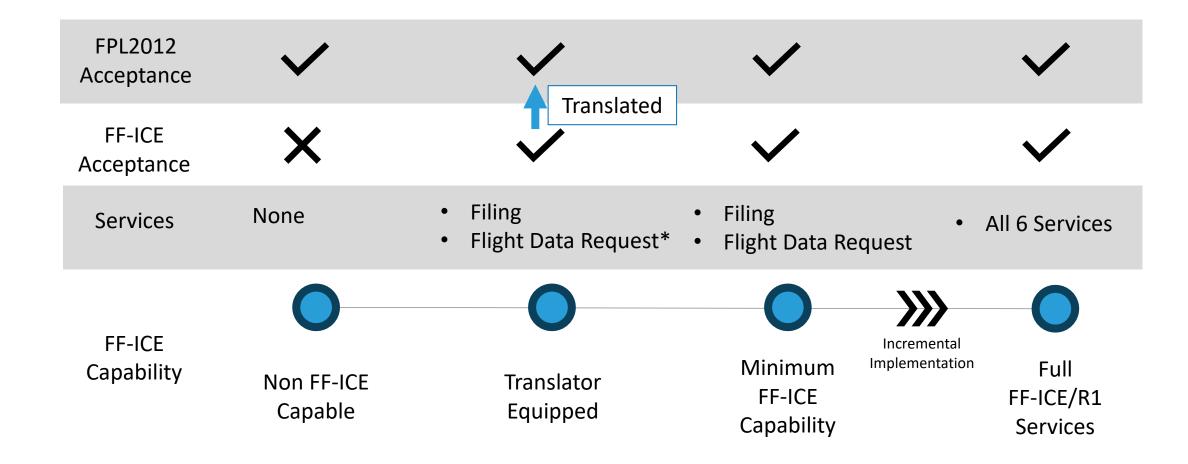


• Phased Implementation





• Phased Implementation





Advancing FF-ICE Development and Adoption

- Submit any FF-ICE recommendations to ATMRPP, where necessary
- Collaborate with SWIM TF on required FIXM revisions
- Propose ASBU elements for APAC Seamless ANS Plan
- Monitor FF-ICE Implementation Progress in APAC

Continuous Knowledge Sharing

- All states to share on their implementation planning/journey and useful lessons learnt;
- Potentially conduct trials involving prototype systems

MC = Monthly Check-in (Virtual Format)

FF-ICE/R1 Technical Interchange Meeting

Under APAC TBO Pathfinder WG 2

Each participant prepare 5-minute progress update to share R1 TTX: Define Capability TIM#1: Readiness Test: TIM#2: Level Demo: · Identify Tech · Capability Level · Conduct Readiness · Develop Scenarios Homework: Interactions Gaps • Dry Run Test · Develop Needed · Review State's Initial Use Cases · Ops Values Demonstration Develop Application Current · Develop Data Demonstration Event Identify Ops Capability Level Integration and Test Diagrams Plan Interactions MC MC MC MC MC MC MC MC July August September October November December January February March June April May June 2024 2025 2025 Coincide w/ Coincide w/ R2 TTX In-Person Meeting R2 TTX F2F#2 Virtual Meeting





