

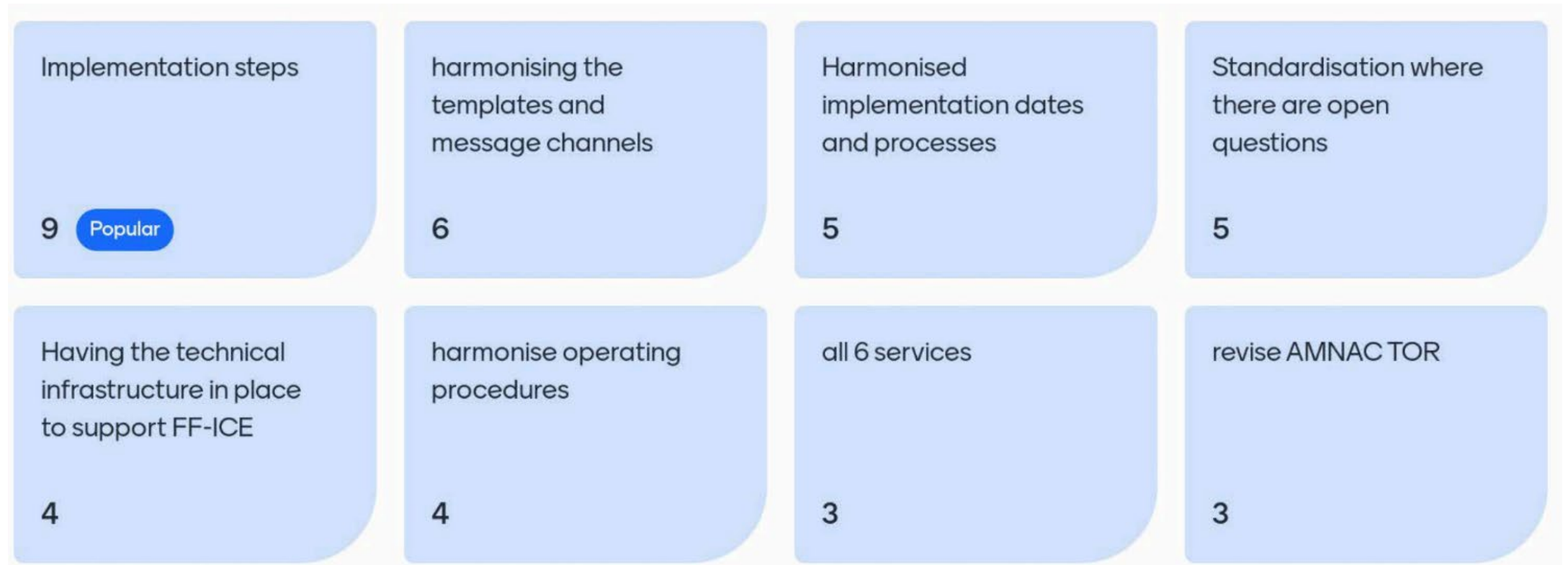
# **Next Steps for APAC FF-ICE Implementation Mixed Mode Considerations Transition Approach**

## Next Steps

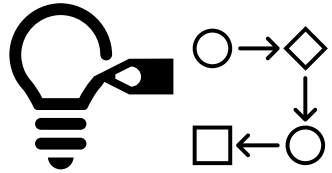
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- a) Harmonising Regional Implementation
- b) Advancing FF-ICE Development and Adoption
- c) Continuous Knowledge Sharing

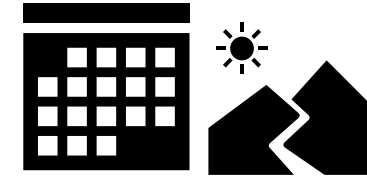
## Survey Results – What are the immediate FF-ICE implementation topics this region should focus on?



# Harmonising Regional Implementation – Key Topics



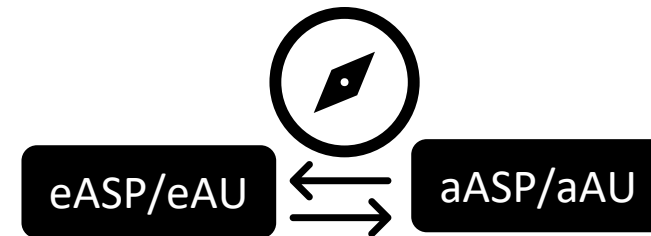
Develop operational requirements and processes for FF-ICE/R1 in APAC



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



eAUs

Ensure operational consistency & flexibility for eAUs



eASPs

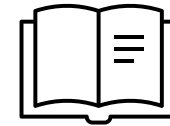
Streamlined operations for eASPs

## HOW

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



SWIM experts & other stakeholders



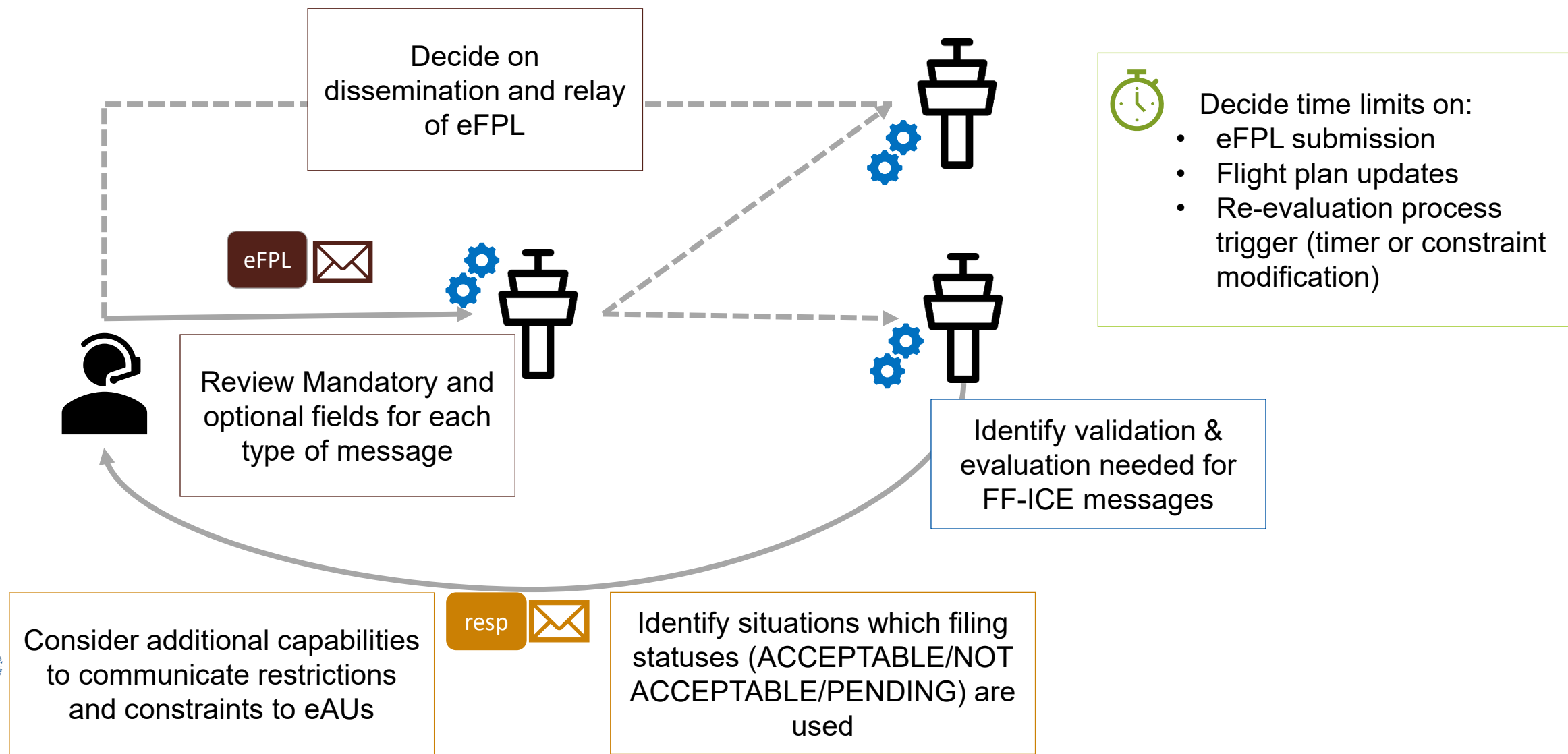
Alignment with implementation guidance

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

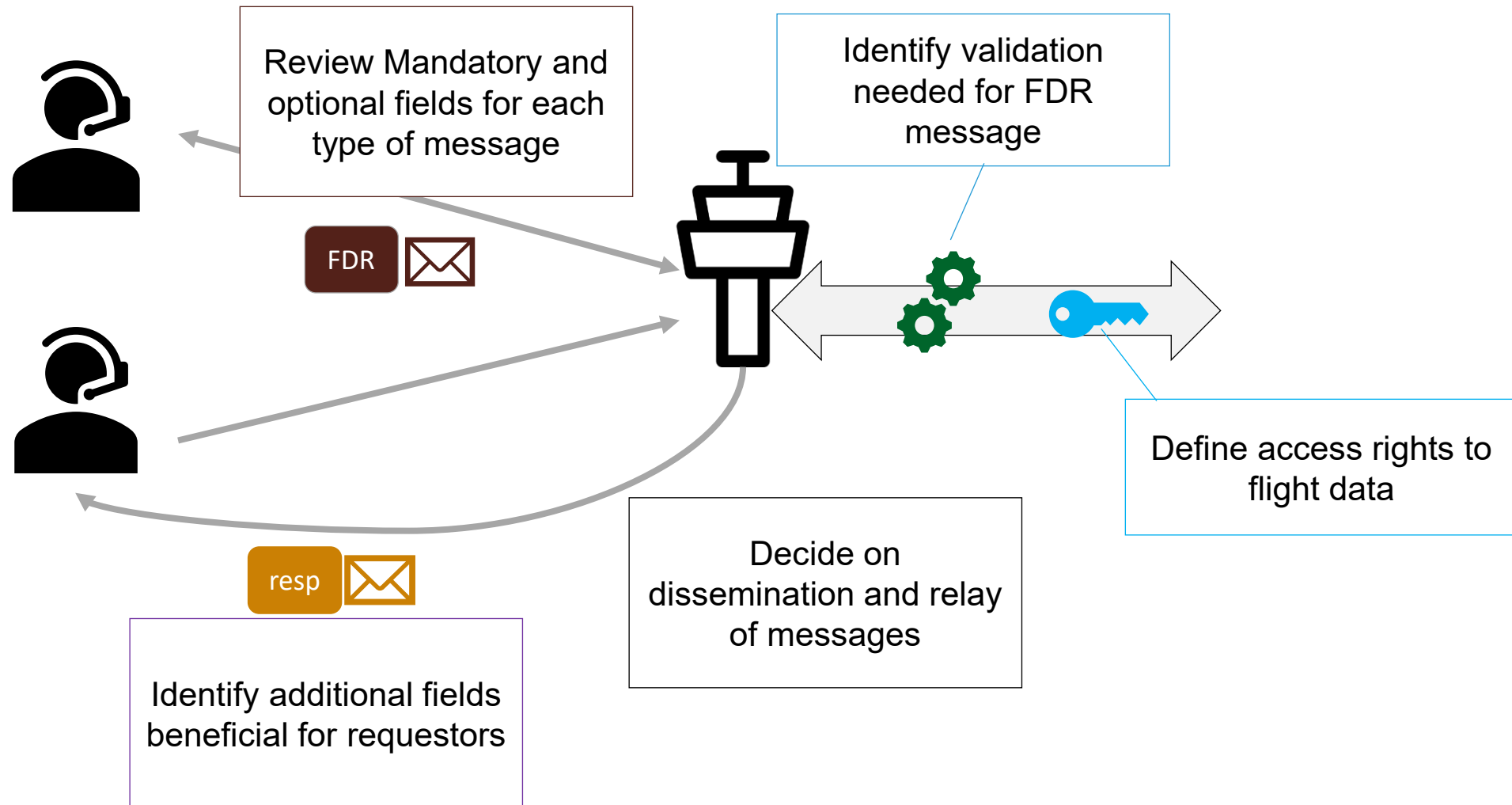
Filing Service

Flight Data Request Service

# Harmonising FF-ICE: Filing Service

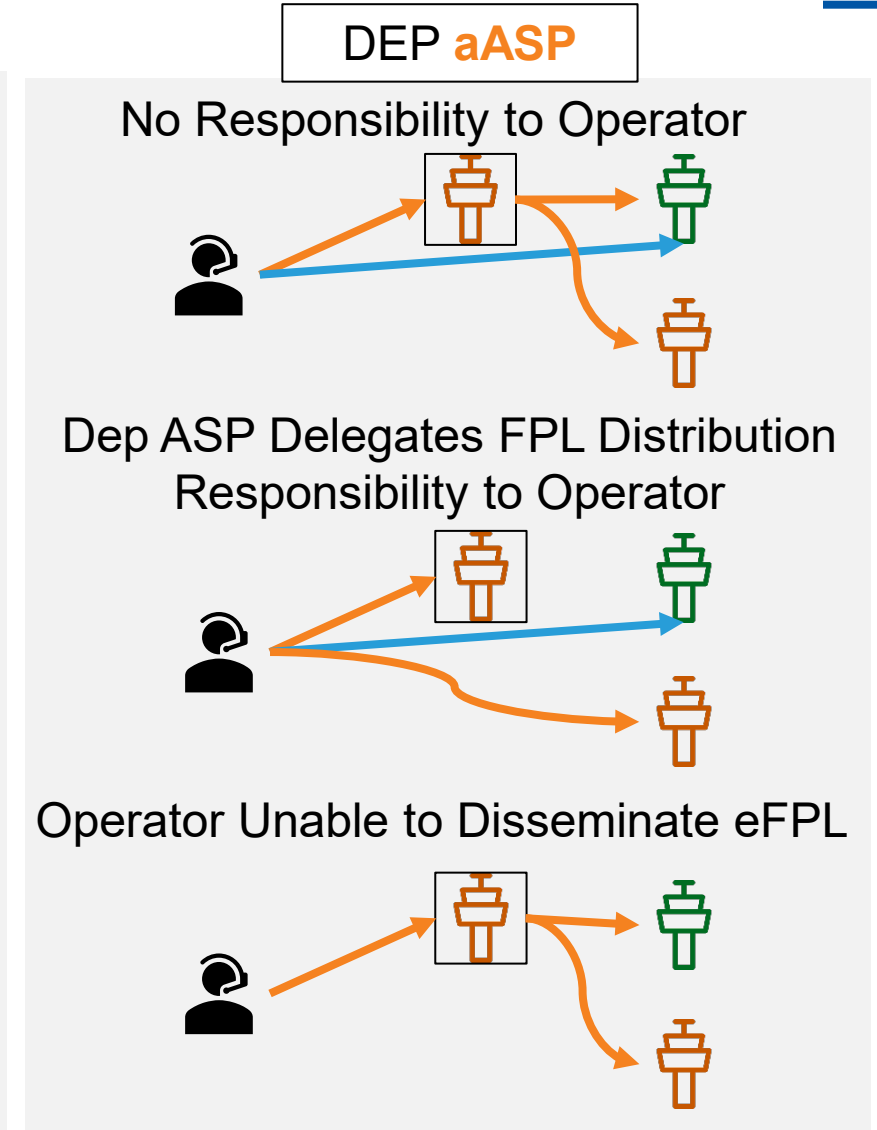
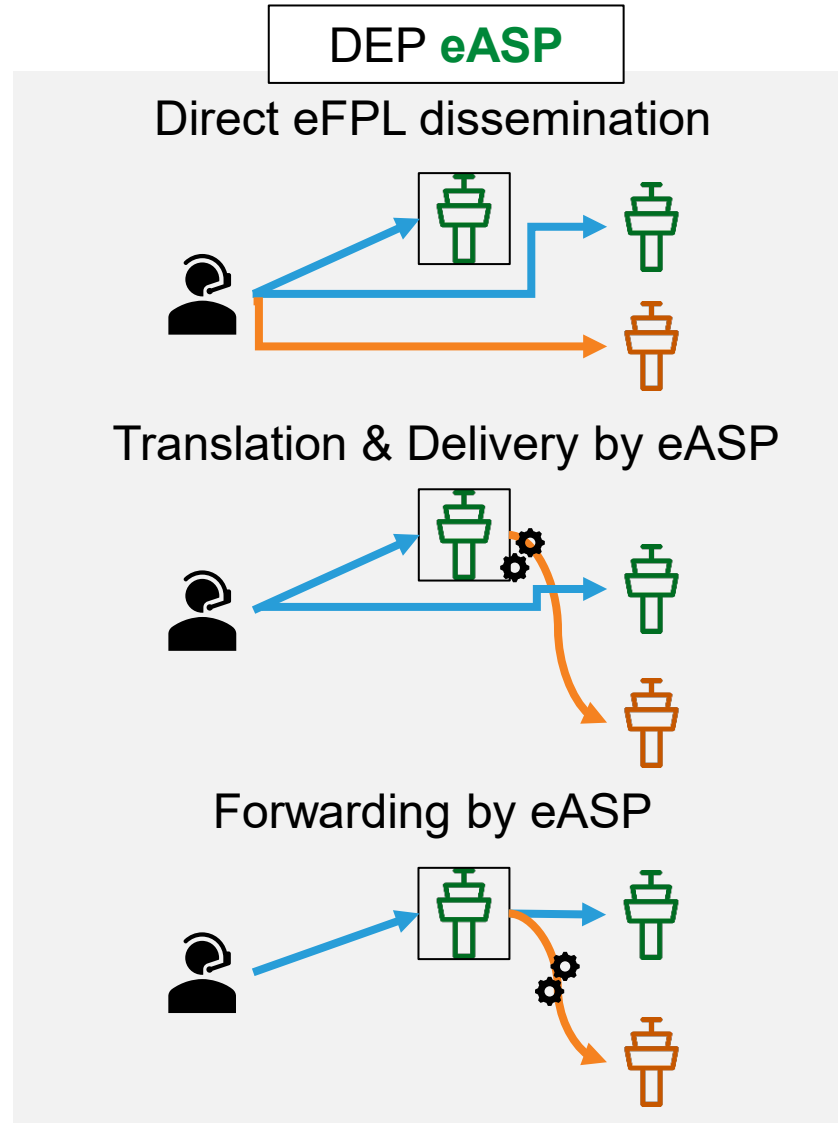
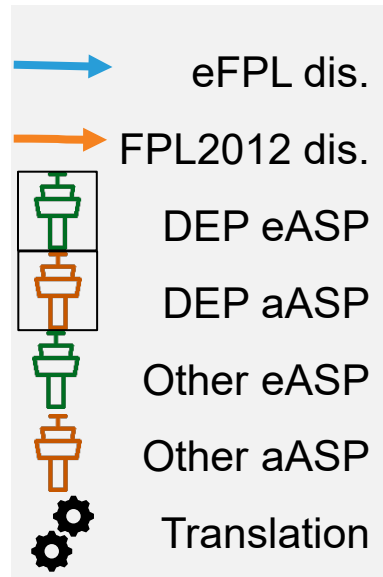


# Harmonising FF-ICE: Flight Data Request



# 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:

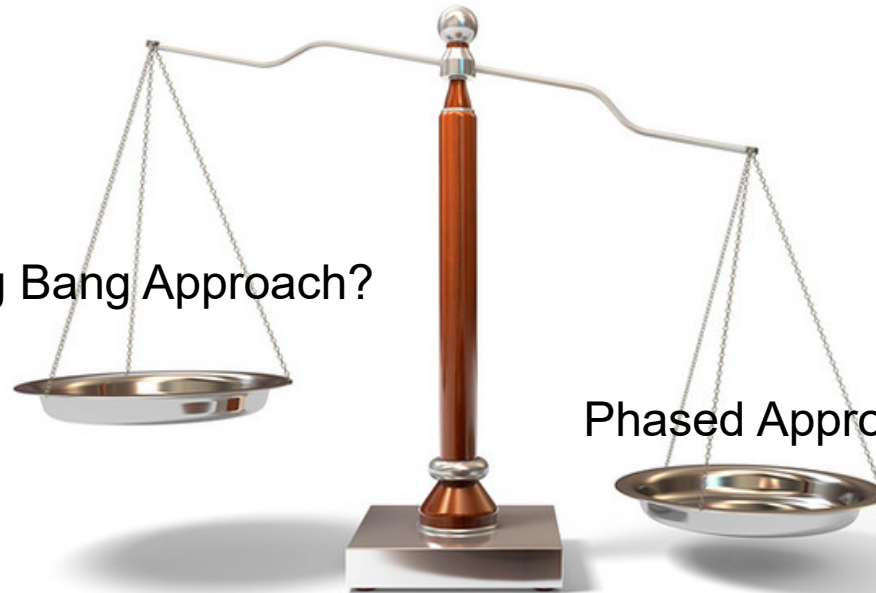




## Transition Approach

**Not able to cater to  
needs of individual  
ANSPs**

Big Bang Approach?



Phased Approach?

**Extended period of  
mixed mode  
operations**

## Consequences of Prolonged Mixed Mode



### Operational Complexity

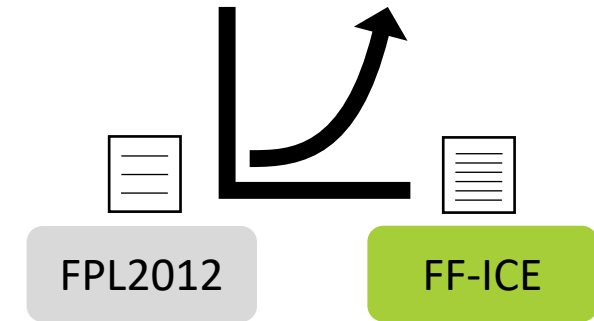
Additional Processes

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

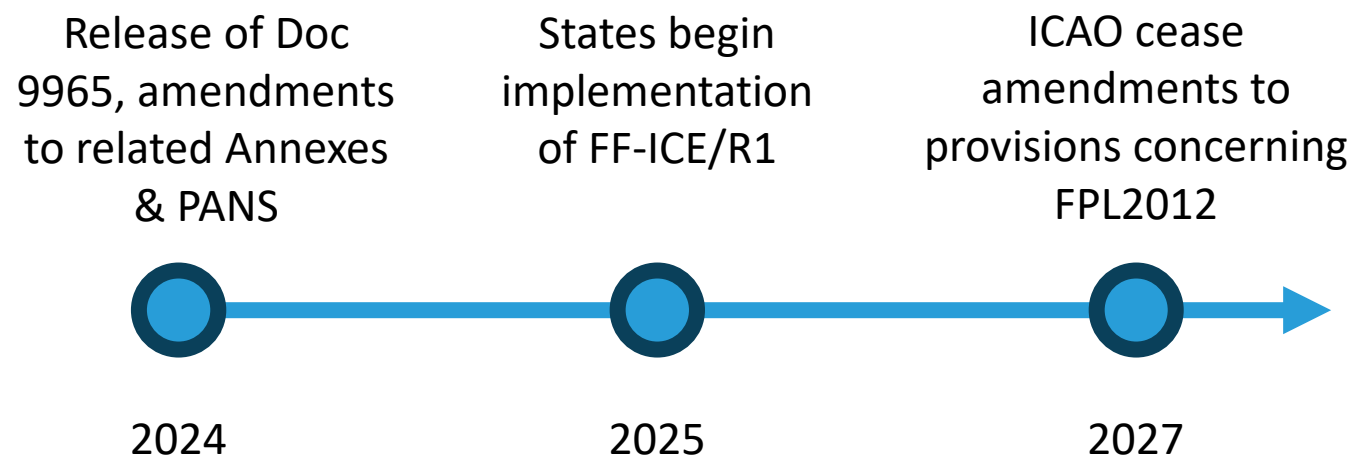


2024

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

# Global Strategy

- FF-ICE Implementation & FPL2012 Sunset Timeline



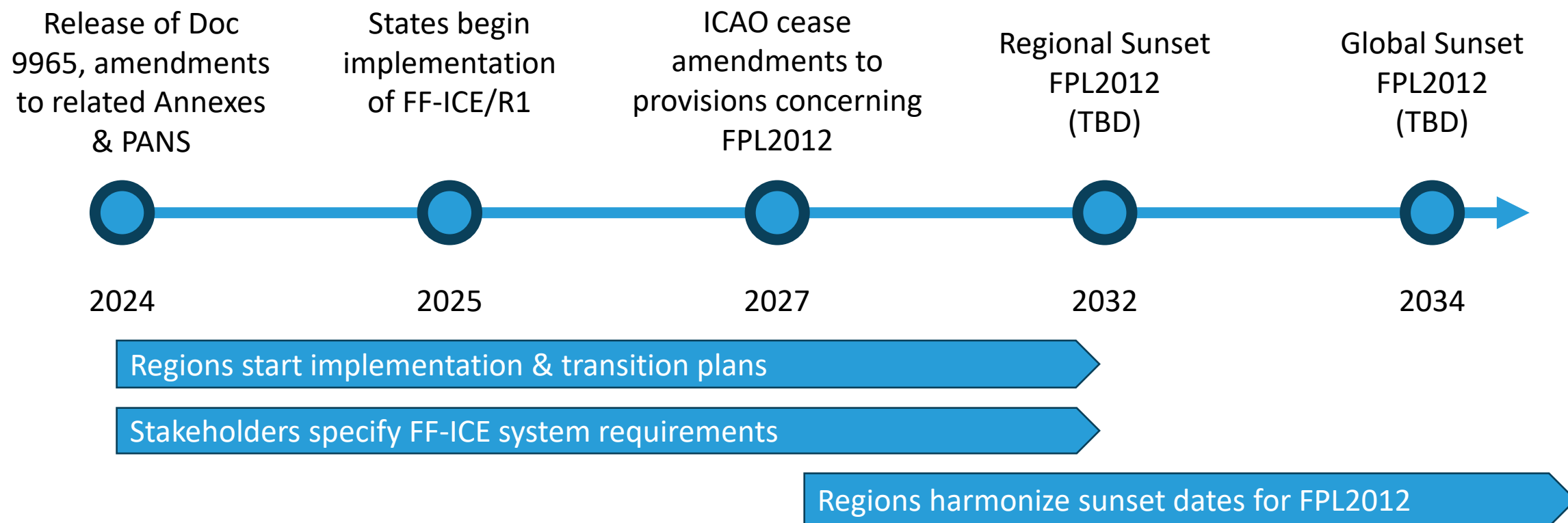
Regions start implementation & transition plans

Stakeholders specify FF-ICE system requirements

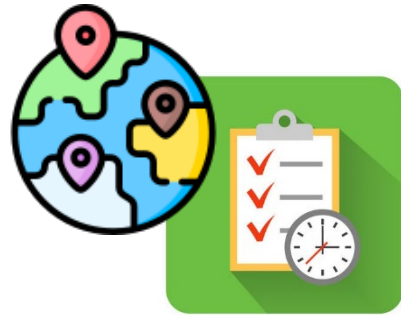
Regions harmonize sunset dates for FPL2012

# Global Strategy

- FF-ICE Implementation & FPL2012 Sunset Timeline

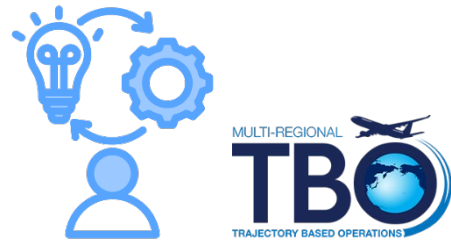


# Regional Strategy



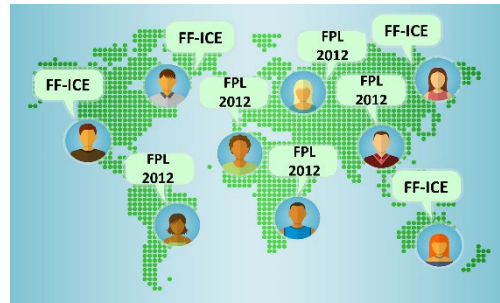
## Coordinated Transition Plans

- 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

# National Strategy

- Phased Implementation

FPL2012  
Acceptance



FF-ICE  
Acceptance



Services

None

FF-ICE  
Capability



Non FF-ICE  
Capable



Translator  
Equipped



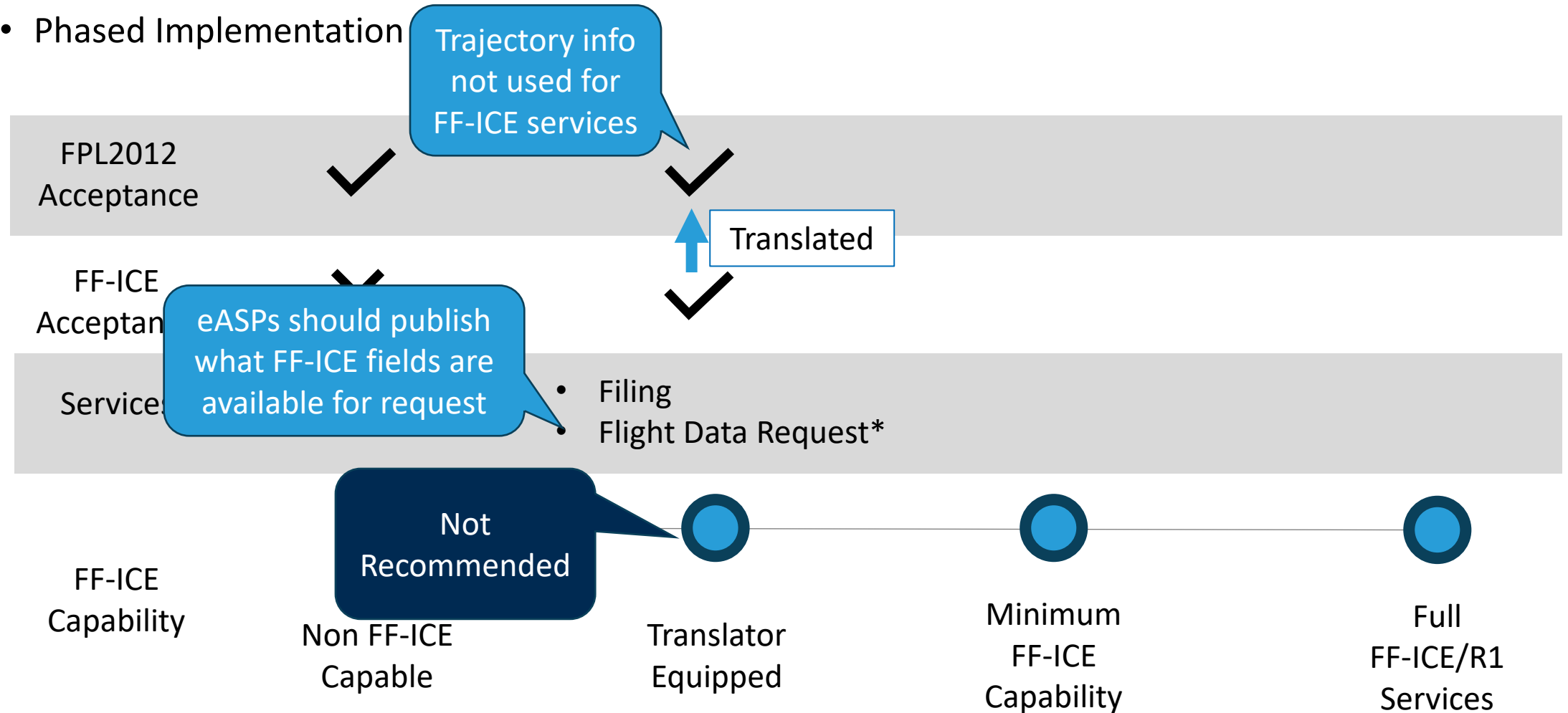
Minimum  
FF-ICE  
Capability



Full  
FF-ICE/R1  
Services

# National Strategy

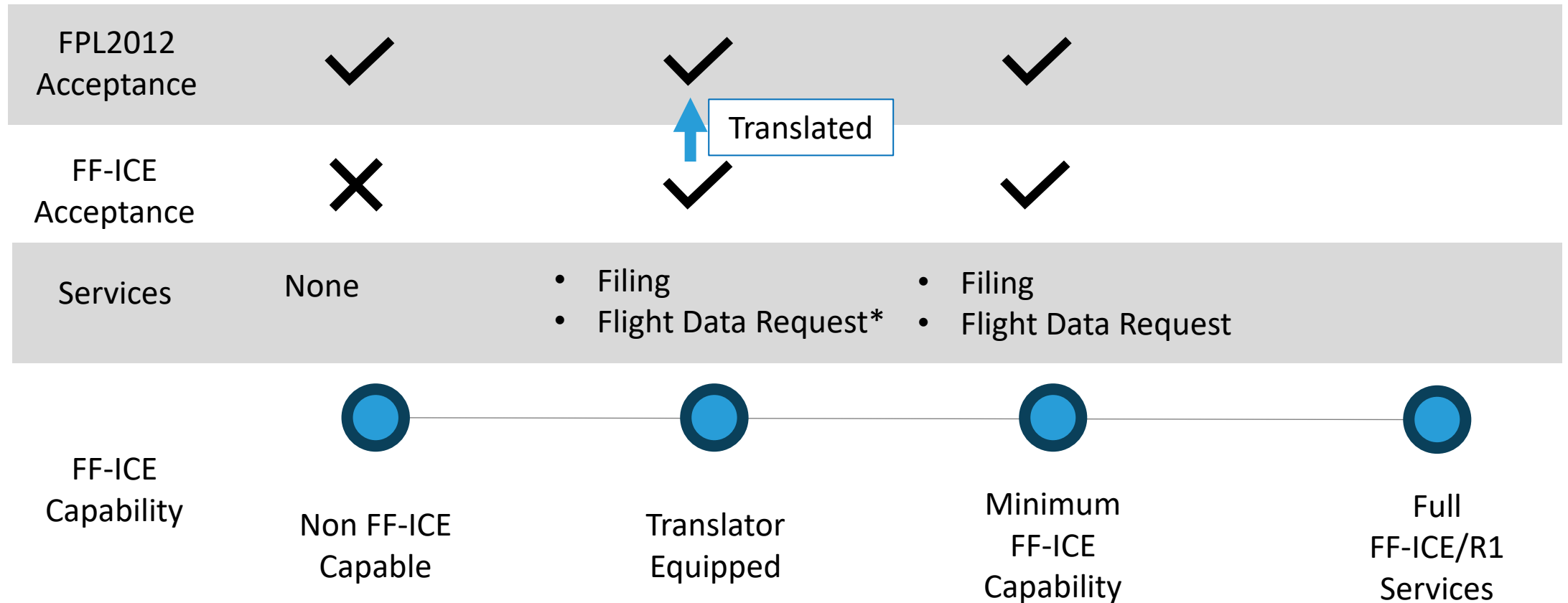
- Phased Implementation





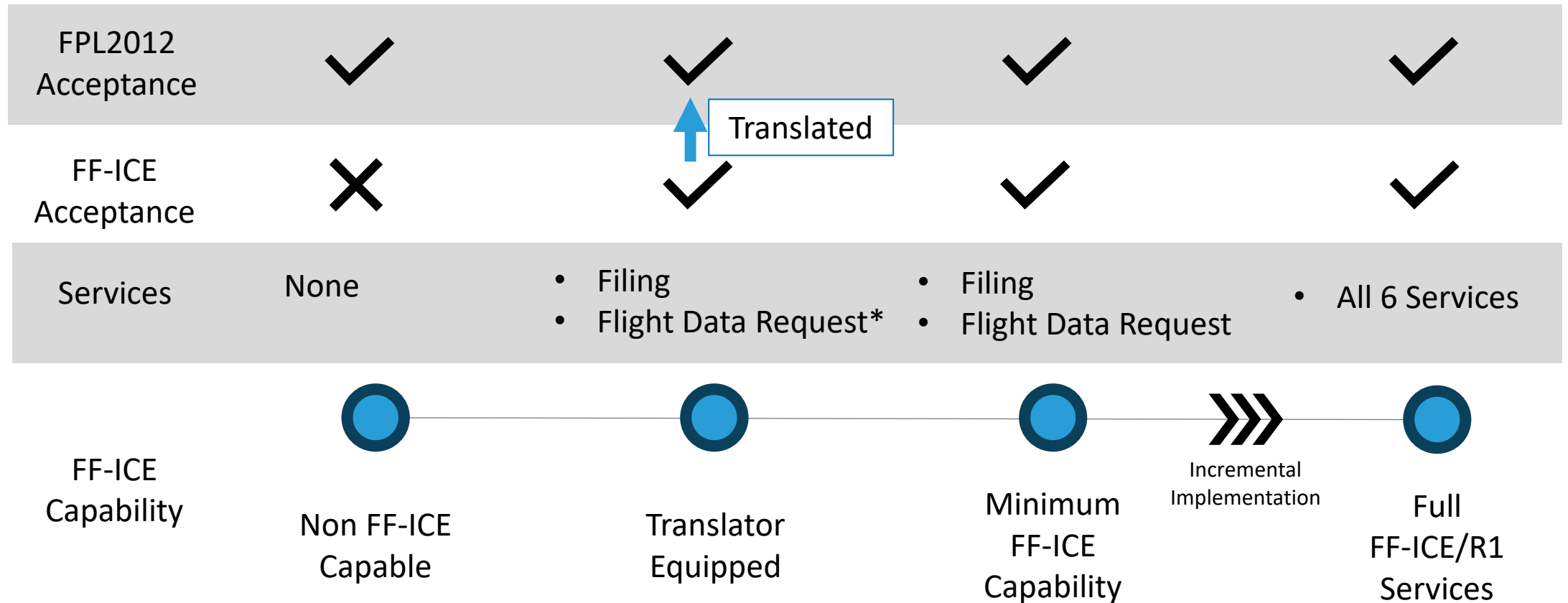
# National Strategy

- Phased Implementation



# National Strategy

- 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

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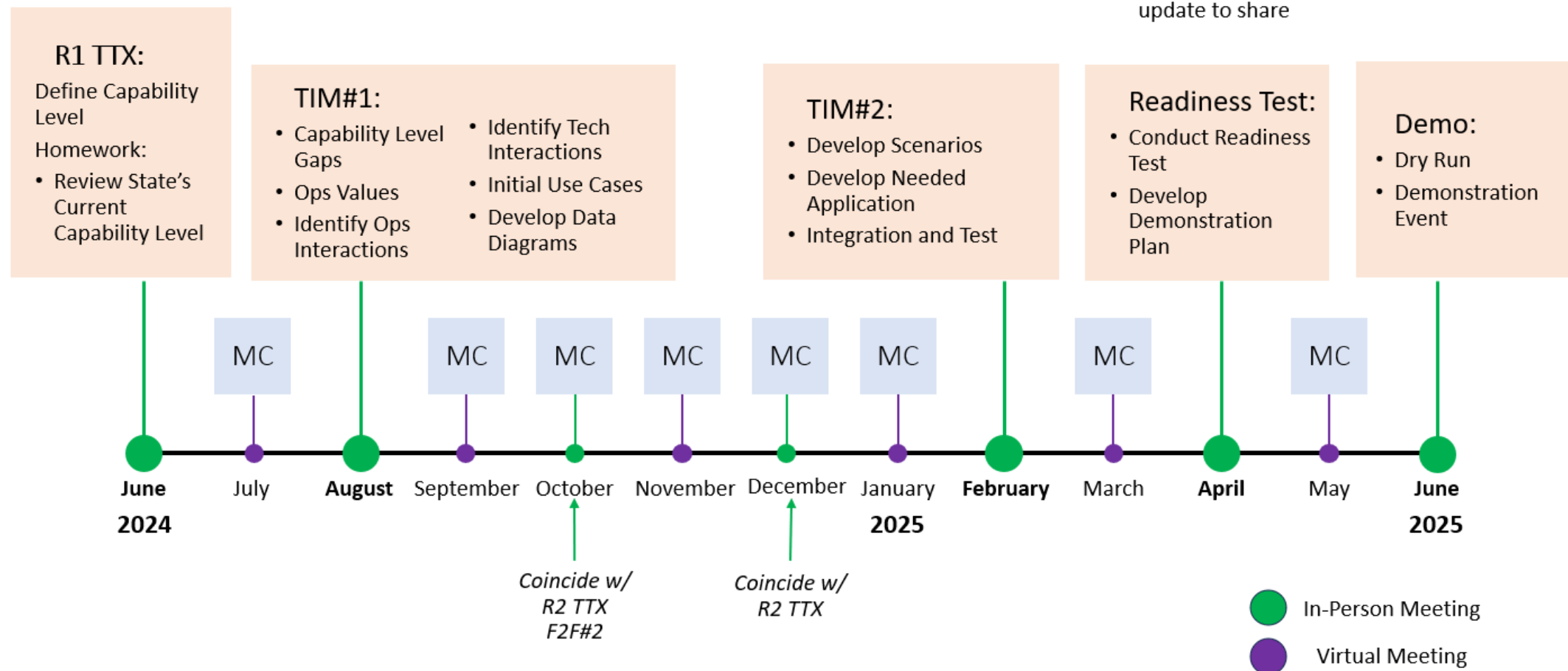
- All states to share on their implementation planning/journey and useful lessons learnt;
- Potentially conduct trials involving prototype systems

# FF-ICE/R1 Technical Interchange Meeting

*Under APAC TBO Pathfinder WG 2*

MC = Monthly Check-in (Virtual Format)

Each participant prepare 5-minute progress update to share





# Thank You

