



FF-ICE implementation strategy

By Crystal Kim, Chief of Air Traffic Management Section

ICAO EUR/NAT FF-ICE Workshop
(Paris, France, 17-19 February 2026)

**INTERNATIONAL
CIVIL AVIATION
ORGANIZATION**

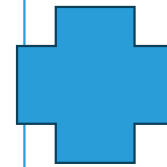


During FF-ICE Provision Development (2015~2018)

Within ICAO ATMRPP



- How to accommodate additional information needs ?
- How to manage mixed-mode operations ?
- Will FPL2012 be sun-setting eventually, if so when ?



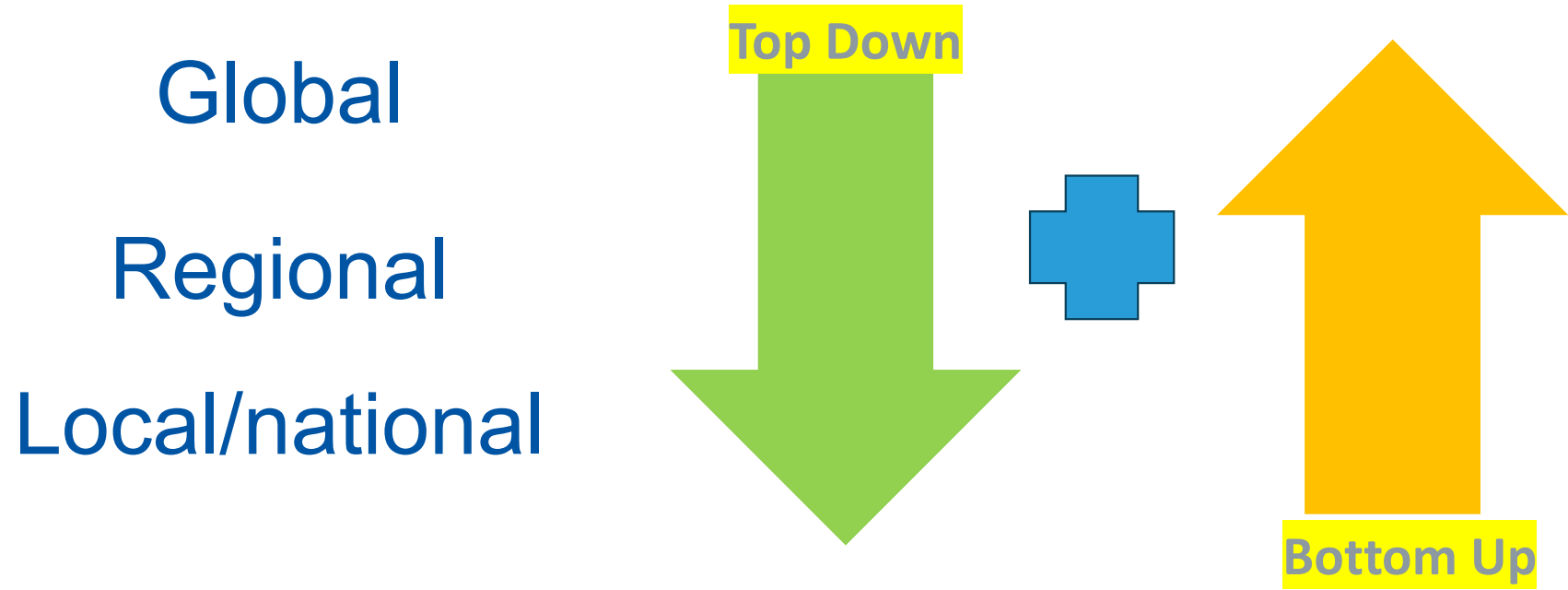
AN-Conf/13 in 2018

Recommendation
3.2/2 FF-ICE

...

b) ICAO develop a
robust transition
strategy.....

Transition Strategy Development



Transition Strategy Development

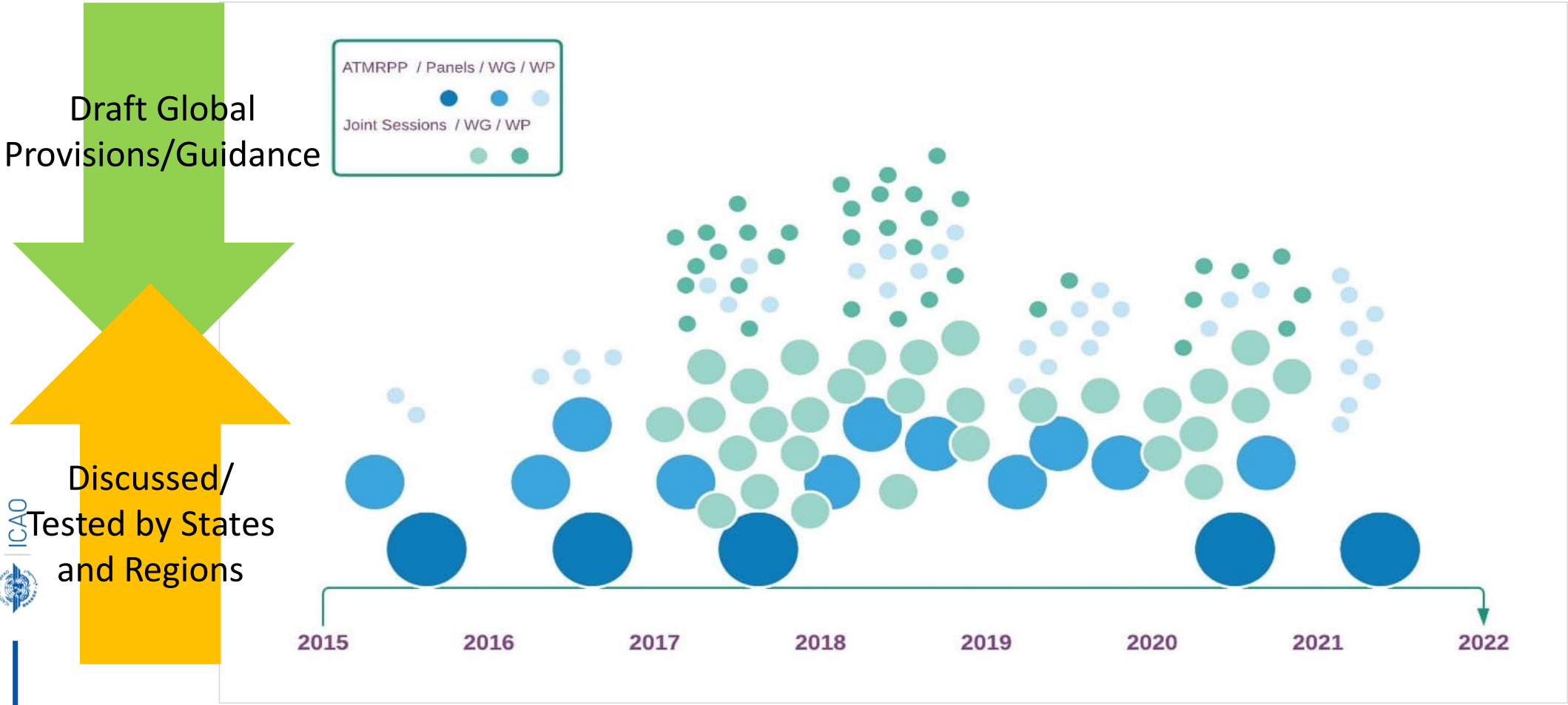
Top Down

- Engage and raise awareness all stakeholders
- Deliver ICAO provisions and guidance both for FF-ICE and SWIM
- No more changes to FPL2012 requirements
- Set the global target date for sunseting FPL2012

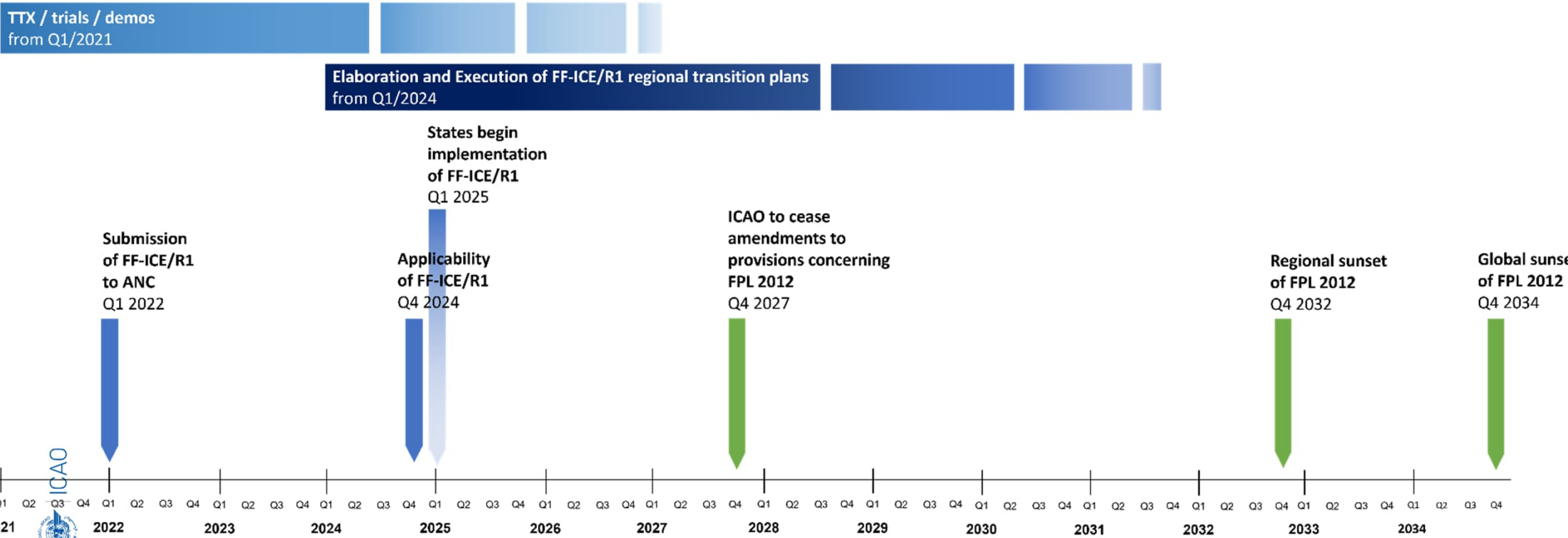
Bottom Up

- In-depth national/regional engagements and demonstrations/tabletop
- National/regional Implementation/transition plan

Transition Strategy applied in FF-ICE Provision Development



Indicative Timelines



Global Level (Up to 2024)

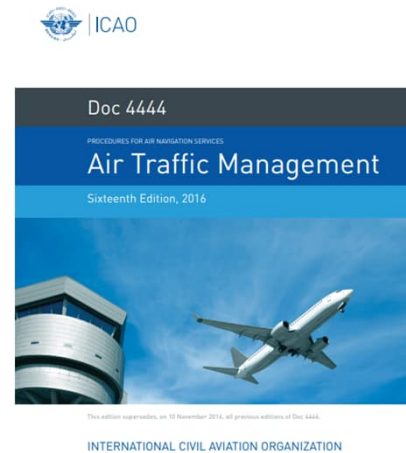
Top Down



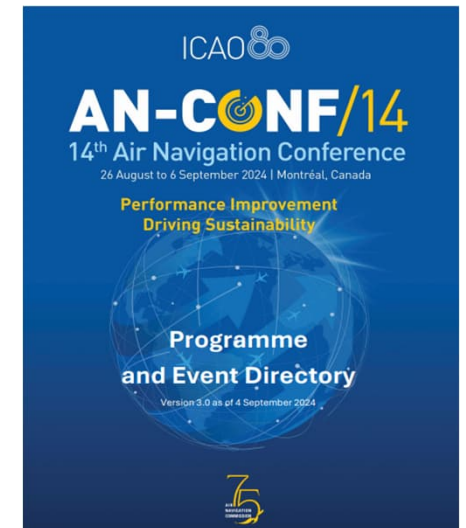
Global Awareness & Engagement



Global Provisions Adopted/Approved



Global Consensus on 2034 Cessation of FPL2012



AN-Conf/14 REC 3.2/2 (Up to 2034)



**Determine
an ultimate
cut-off date**

- **amend relevant ICAO provisions and guidance material** to enable the 2034 global cessation of the ICAO flight plan and associated air traffic services messages;
- **conduct a periodic assessment and report on the readiness** of the global air traffic management community for the 2034 global cessation of the ICAO 2012 flight plan.

- **develop national and regional plan(s)** to transition to FF-ICE services along with industry stakeholders
- **establish regional focus groups** for coordinating the planning and implementation of FF-ICE services and providing necessary support throughout the transition period
- **facilitate inter-regional collaboration** for a harmonized implementation of and transition to FF-ICE services;

Points for Consideration in Regional Planning

✓ **FF-ICE Services Unit**

- Cross-Regional, Regional, Sub-regional, National
- Separate, or combined with other functions

✓ **Involve airspace users and their services providers from the get-go**

✓ **Consider and plan other services (ATFM, MET, AIS, etc.) in conjunction with FF-ICE services**

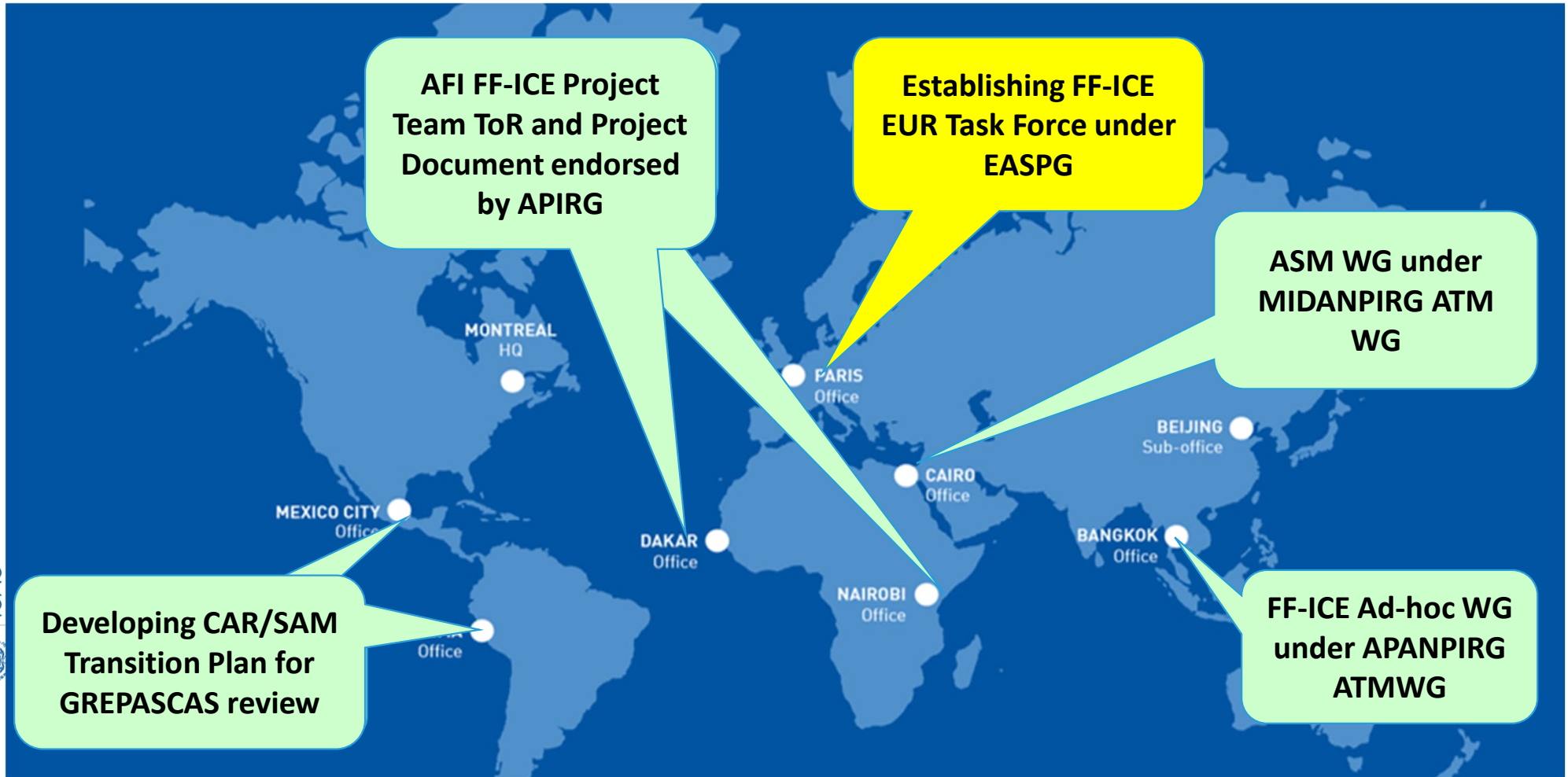
✓ **Interfaces and interaction between FF-ICE services unit and ATS units**

✓ **Technical and operational standardization on global or regional levels**

✓ **Strategy and timeline to use translation and conversion capabilities**

✓ **Funding and timelines to upgrade relevant systems**

Ongoing Regional Activities





Thank You

