



SAFE SKIES.
**SUSTAINABLE
FUTURE.**



ICAO APAC/MID ATFM-FF-ICE Seminar 2025

Dubai, UAE, 23 – 26 February 2025

Augustin Gheorghe

Senior expert/EUROCONTROL

EUROCONTROL NM Implementation of FF-ICE
and Lessons learned

1

European NM implementation

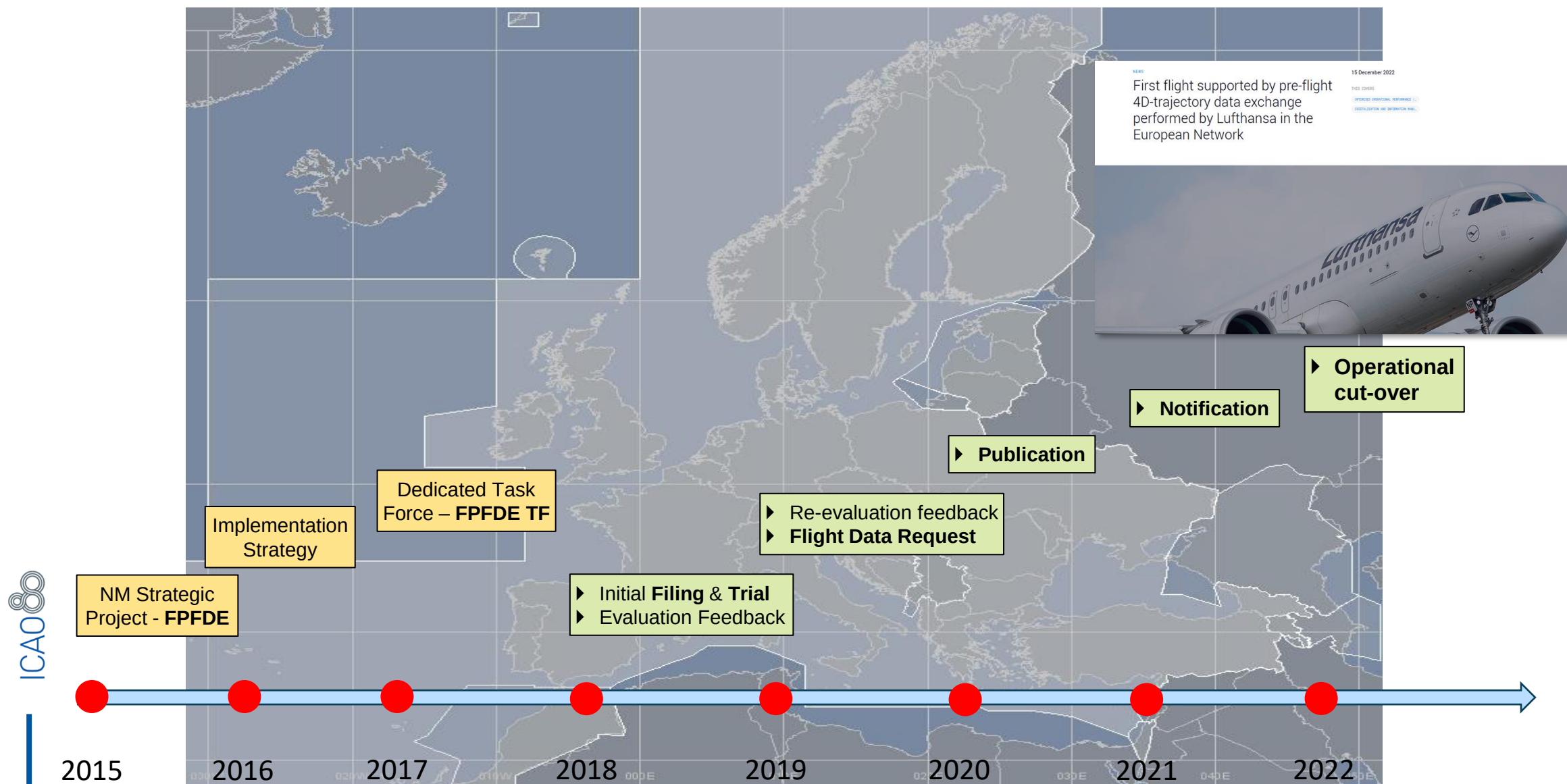
2

Challenges and lessons learned

3

Mixed mode and transition
operations

European Network Manager Implementation



Regulatory framework

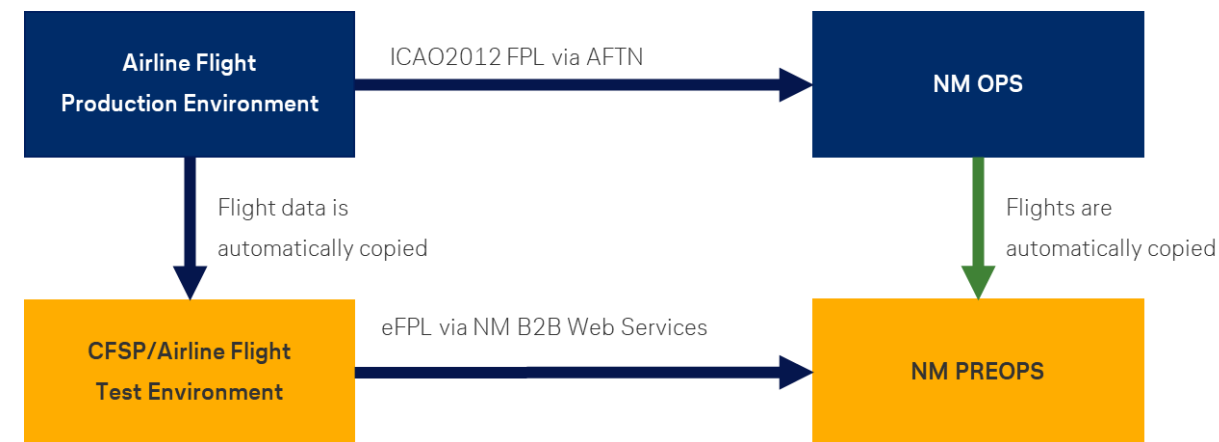
5

Developed and consulted by all stakeholders



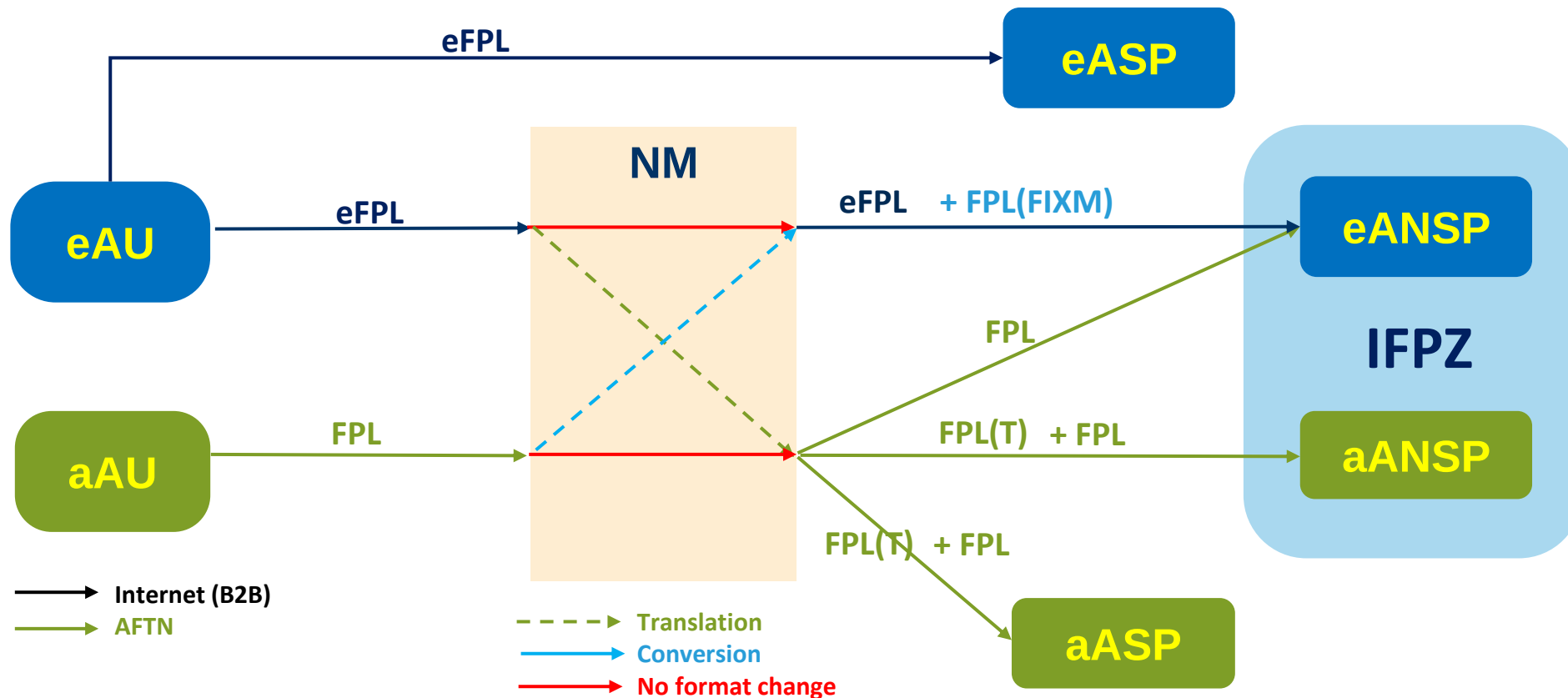
Challenges and lessons learned

- Attract main players
- Education through discussions
 - Guided by use cases and scenarios
- Address identified concerns
 - Promote collaboration for solution finding
- Implement test & development platform (mirroring OPS)
- Transition measures and mixed mode operations
 - NM to support until FPL2012 sunset date



Mixed mode and Transition operations

7



- NM implemented FF-ICE while supporting FPL2012 over AFTN/AMHS
 - Translation of FF-ICE FPLs to FPLs and distribution via AFTN/AMHS to non-migrated ANSPs
 - Allows to decouple the migration of the AUs from the migration of ANSPs
 - Predictability improvements already expected by the AUs migration
 - Allows for a smooth and progressive migration of all actors

Mixed Mode (1)

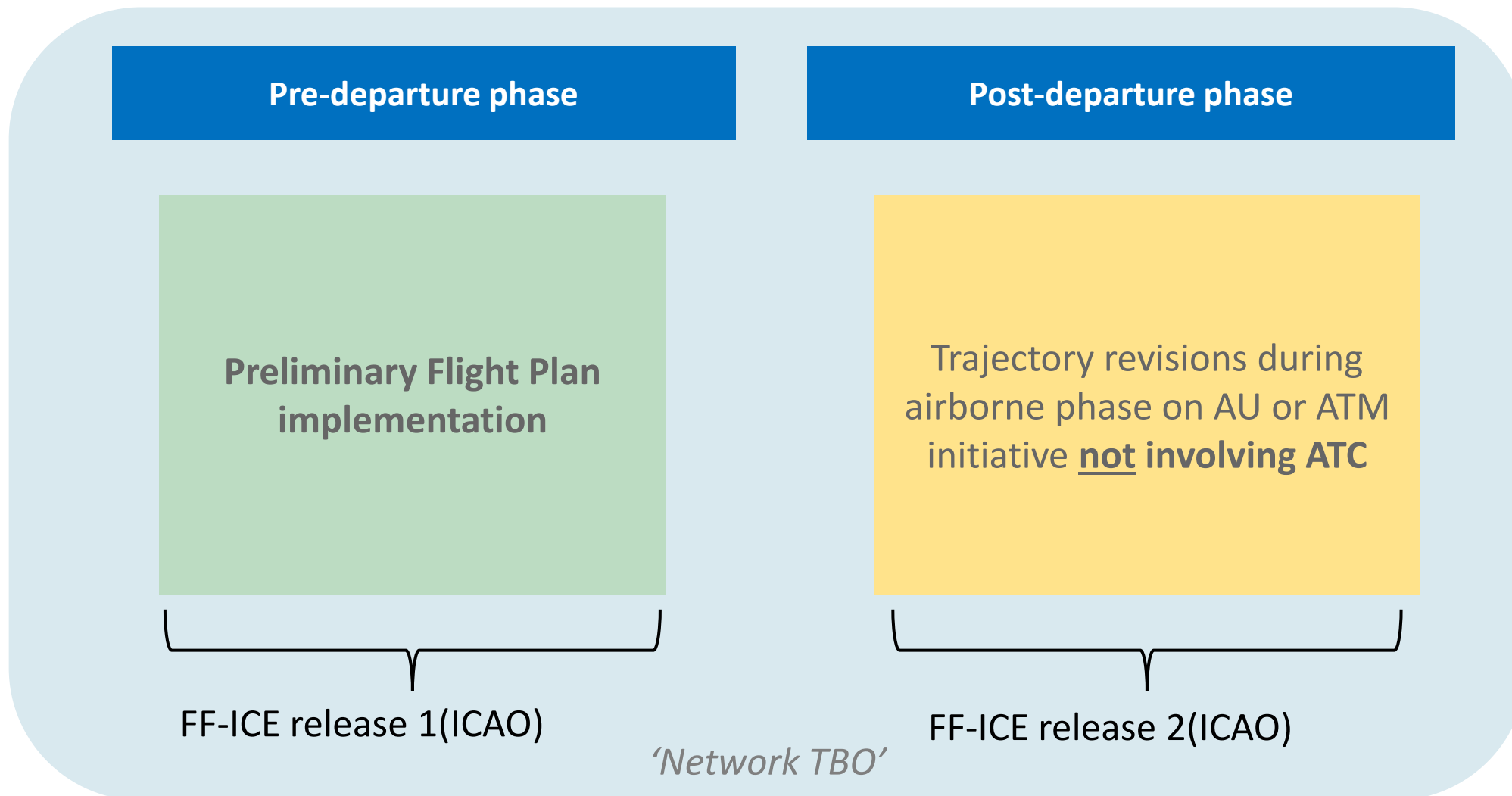
Input message type	ICAO 2012 flight plan	FF-ICE flight plan
FPL	- No change	- Reject FPL
CHG	- No change (- Process message; Integrate into existing FPL data)	- Process message - Integrate into existing eFPL data
DLA	- No change (- Process message; Integrate into existing FPL data)	- Process message - Integrate into existing eFPL
CNL	- No change (Cancel flight plan)	- Cancel flight plan

Mixed Mode (2)

Input message type	ICAO 2012 flight plan	FF-ICE flight plan
eFPL	- Process, even if from different originator - Update FPD with eFPL data, including GUF - The resultant FPD becomes eFPL (FF-ICE)	- Reject eFPL
eFPL Update	- Process - Update FPD with eFPL data, including GUF - The resultant FPD becomes eFPL (FF-ICE)	- Process - update eFPL data
eFPL Cancel	- Cancel flight plan	- Cancel flight plan

Future Developments

10



Documentation

- *The IFPS Users Manual*
(<https://www.eurocontrol.int/publication/ifps-users-manual>)
 - *NM B2B Reference Manual*
(<https://ost.eurocontrol.int/sites/B2BWS/default.aspx>)
 - *FPFDE NFPM Implementation Guidelines*
(<https://www.eurocontrol.int/publication/fpfde-nfpm-implementation-guidelines>)
 - *Implementation Strategy for FPFDE NFPM* (<https://www.eurocontrol.int/publication/implementation-strategy-fpfde-nfpm>)
- ICAO  Dedicated FF-ICE website
(<http://www.eurocontrol.int/ffice>)



—
Thank You

office@eurocontrol.int

ICAO
Headquarters
Montreal

Asia and Pacific
(APAC) Sub-office
Beijing

North American
Central American
and Caribbean
(NACC) Office
Mexico City

Western and
Central African
(WACAF) Office
Dakar

Asia and Pacific
(APAC) Office
Bangkok

South American
(SAM) Office
Lima

Eastern and
Southern African
(ESAF) Office
Nairobi