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Effectiveness of the Airport Slot system from a network perspective

Florence Air Forum: Budapest Edition

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FOUNDING MEMBER SESAR JOINT UNDERTAKING

NETWORK MANAGER

Agenda

1. • **Background**
2. • **Airport Slots and Network Management**
3. • **New Concepts**

1

- **Background**

History

- Airport Slot Regulation 1993
  - Some amendments up to 2004
  - More commercial than operational (ATM)
  - Several formulations not clear
- SES Regulations 2004
- ATFM Regulation 2010
- NM functions 2011
- Airport Slot regulation not aligned with SES intention

2

- **Airport Slots and Network Management**

Experience ATM and Airport Slots 1/2

- Very good collaboration with EUACA and IATA
- Airport Slot information used by NM to enrich traffic predictions
- Issues:
  - Airport Slots - IATA language
  - ATM/ATFM - ICAO language
  - Flight Plans do not contain airport slot information
  - Business element not considered in flight planning
  - Ad-hoc slots missing in the traffic picture

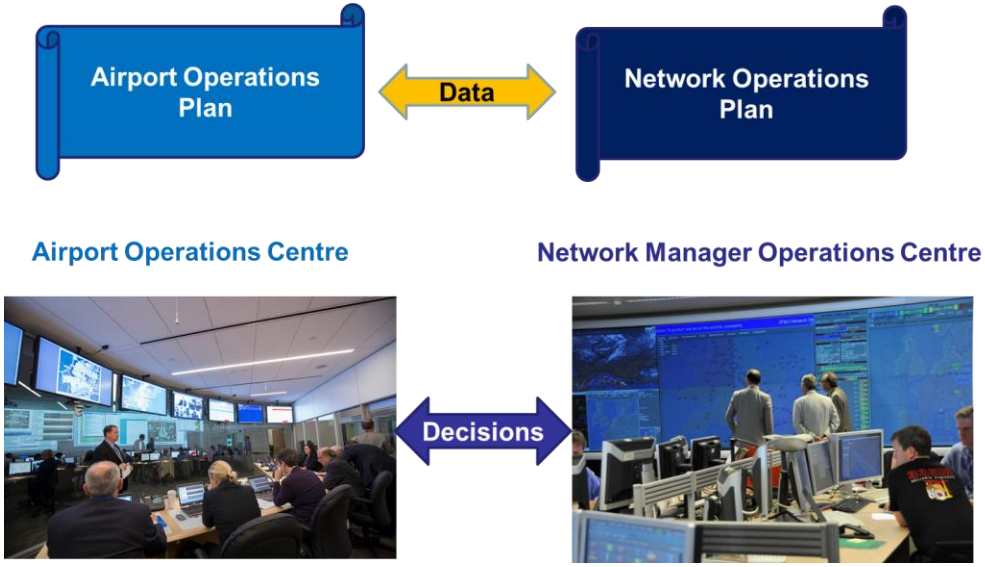
Experience ATM and Airport Slots 2/2

- Post-operational assessment by Coordinators overall very good
- Impact on the day of operations not prevented with current system
- Local rules differ
- General/Business (GA/BA) Aviation with ad-hoc slots remain an issue
- GA/BA is a growing market
- Mechanism on when an airport becomes schedules facilitated or coordinated can be improved

3

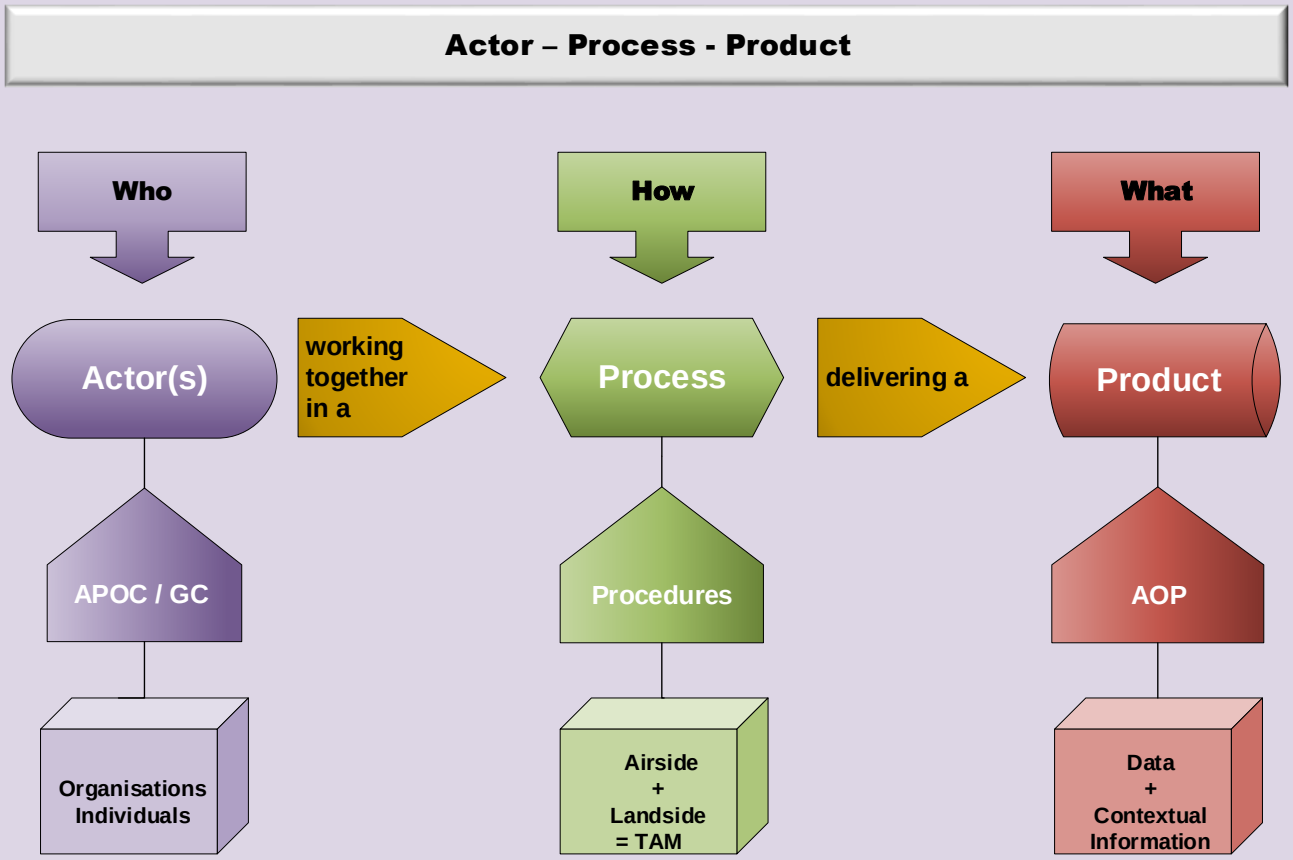
- **New Concepts**

Airports as integral part of the ATM Network

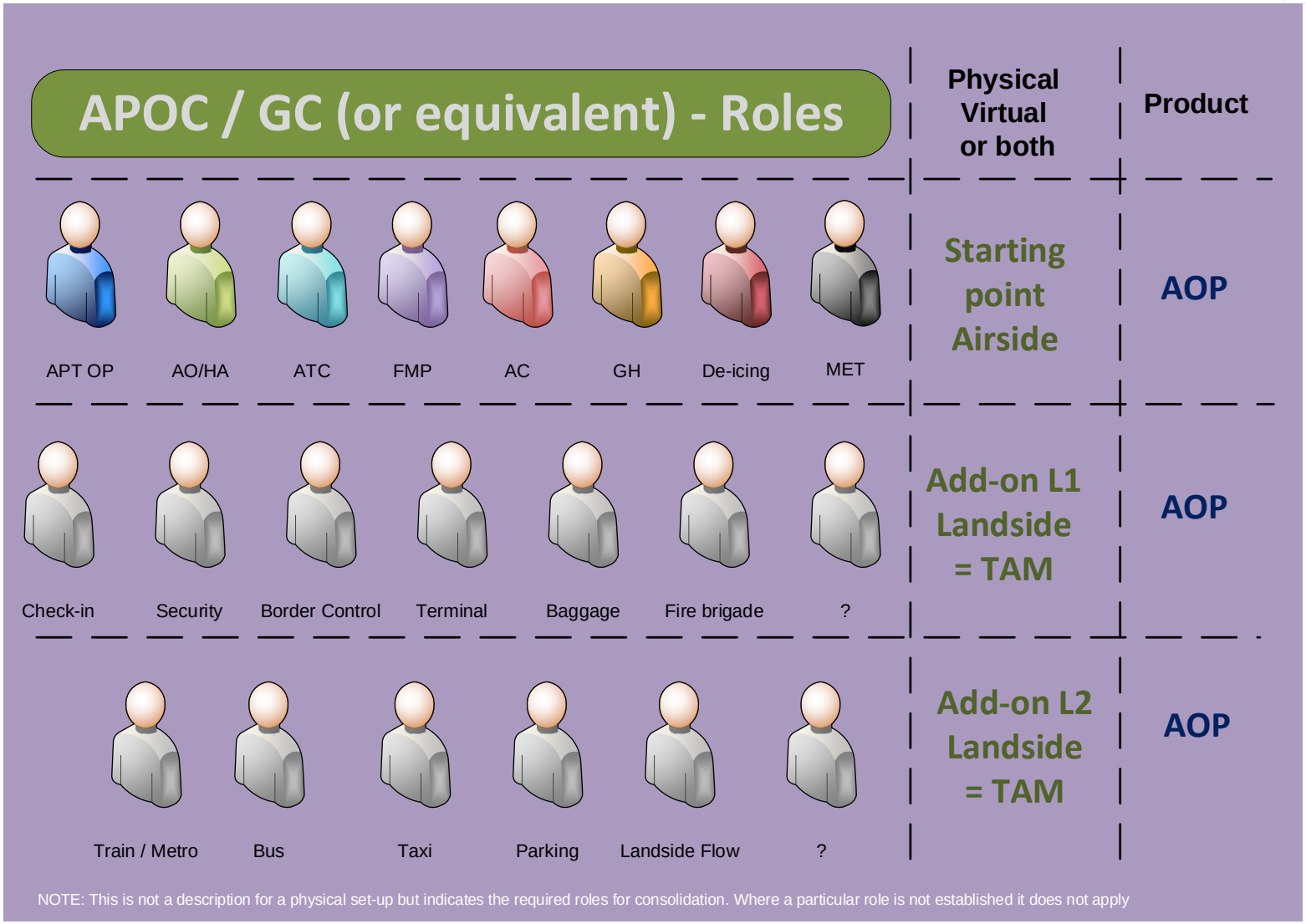


- Airport Operations Center (APOC)
  - Building and maintaining the
- Airport Operations Plan (AOP)
  - Connects to the
- Network Operations Plan (NOP)

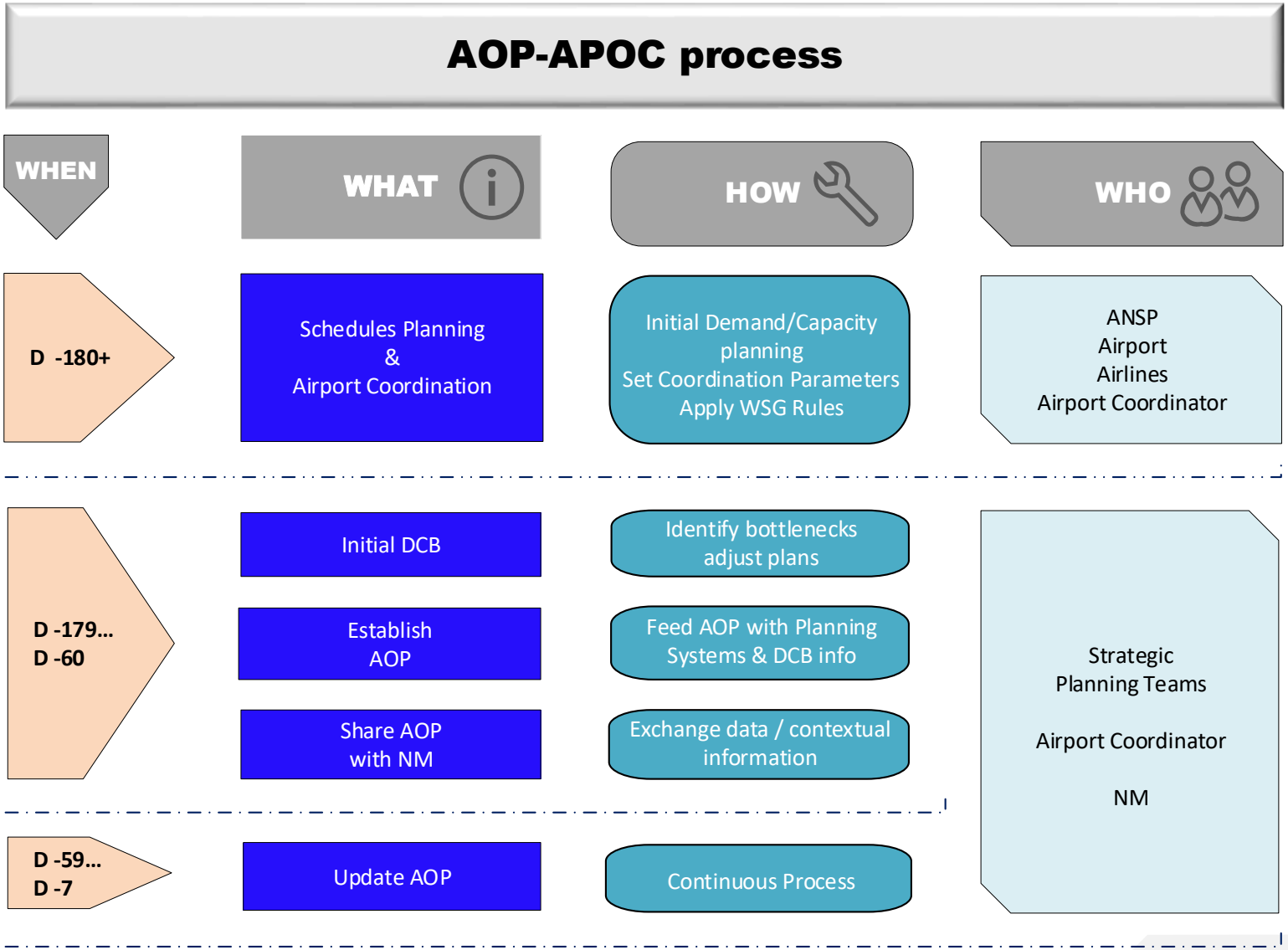
Definitions



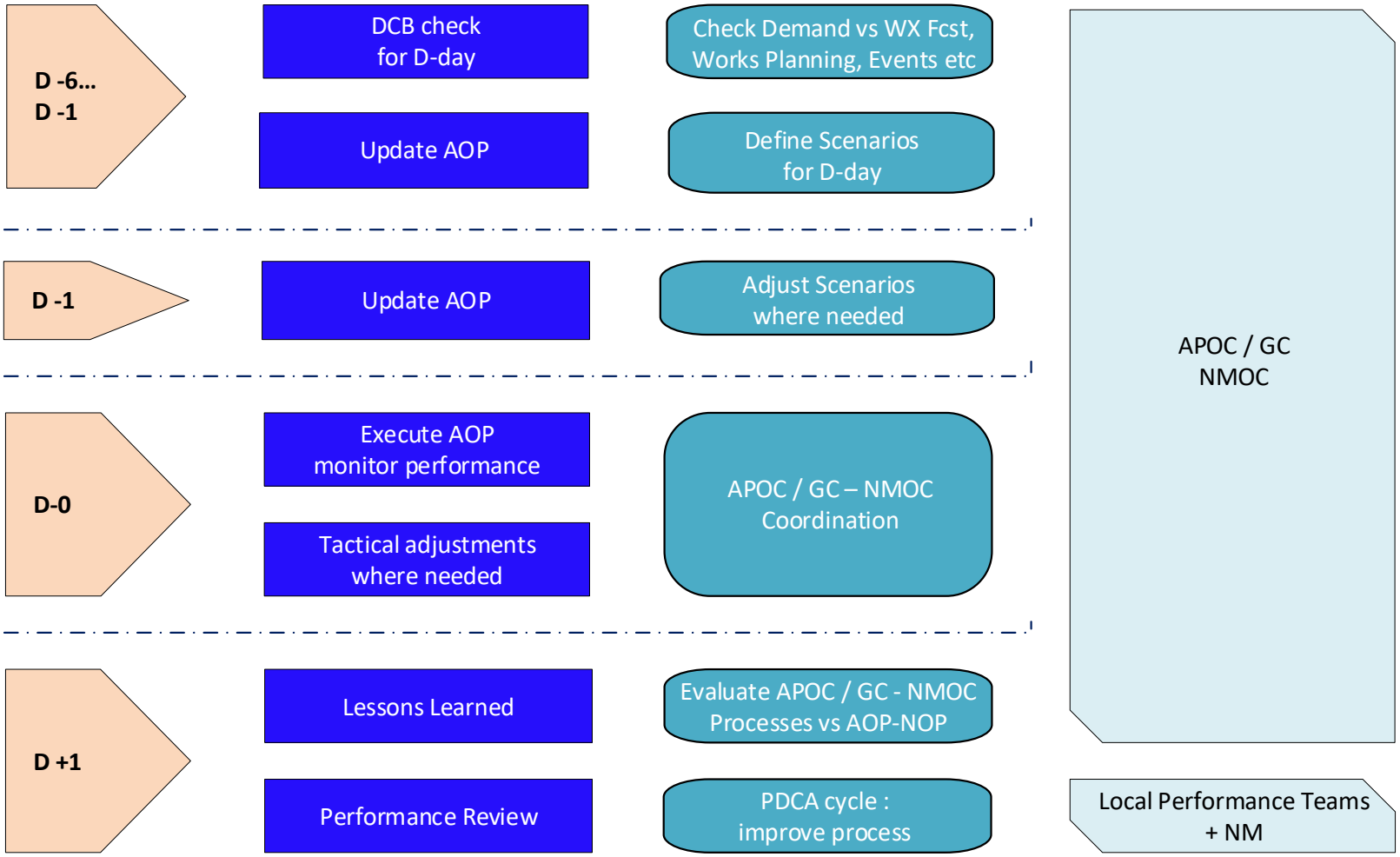
Airport Operations Center / Ground Coordinator



How is it done and who does it? (1/2)



How is it done and who does it? (2/2)



Arrival Management and Target Times

- Inclusion of the arrival aspect in ATFM versus departure focus only
- Expand existing concept with the arrival component
- Target Times are a vehicle but nothing new
- A-CDM provides for target Times on departure
- Target Time Over (TTO) and Target Time for Arrival (TTA) will complement the trajectory
- Draft concept in preparation for consultation
- Airport Slots to be considered in future ATFM

Thank You