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AFUAS (Advanced Flexible Use of Airspace Service) Concept

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DLR

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AFUAS(Advanced Flexible Use of Airspace Service) Concept

Frank Morlang

Wissen für Morgen

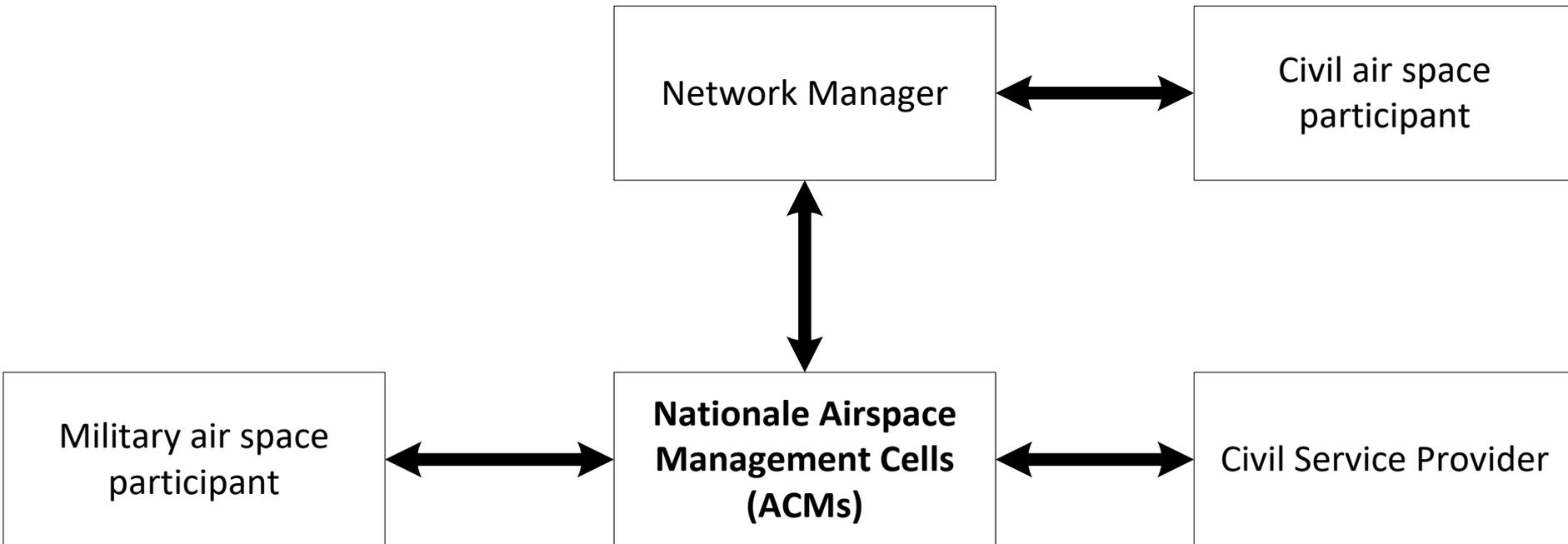
FUA → AFUA

- Flexible Use of Airspace (FUA) Konzept
 - Air space = continuum
 - Civil / Military → integration instead of segregation
 - Flexible air space structures and procedures → time slotted allocation und usage



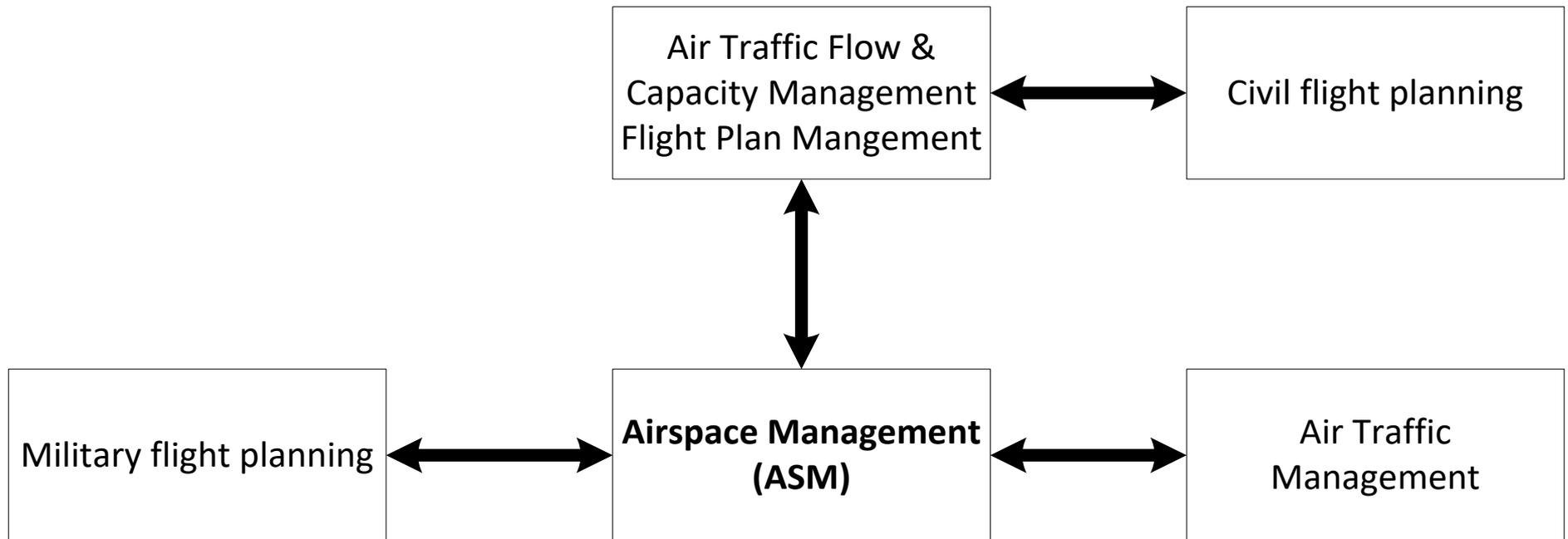
FUA → AFUA

- Flexible Use of Airspace (FUA) Concept



FUA → AFUA

- Flexible Use of Airspace (FUA) Concept



FUA → AFUA

- AFUA = FUA +
 - Free route airspace
 - Real-time information sharing
 - Common situational awareness



CS4

- Centralised Service 4 (CS4) =

?



CS4

- Centralised Services
 - Centralised Service =
 - **ANS support service** or
 - **ATM function** running on **central european network level**
 - 18 services



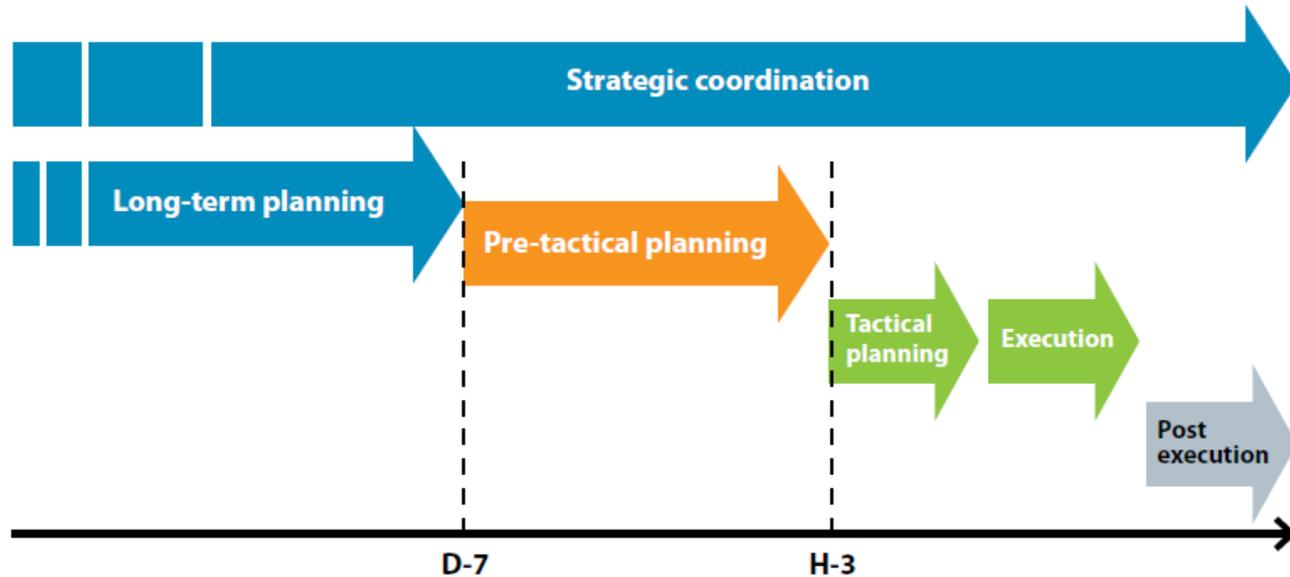
CS4

- CS4 = Centralised Advanced Flexible Use of Airspace Support Service



CS4

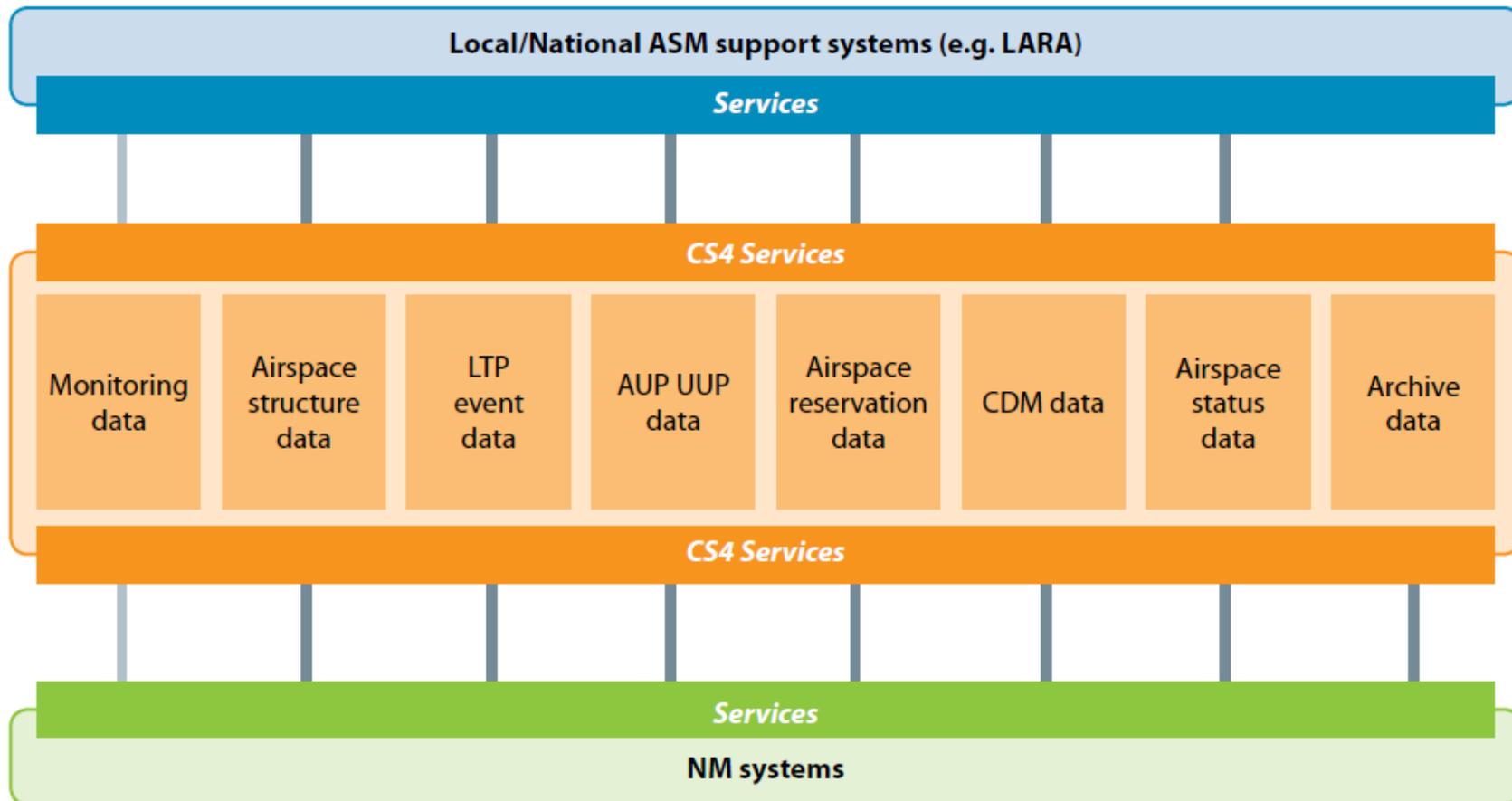
- Long-term planning
- Pre-tactical planning
- Tactical planning
- Execution
- Post execution



<http://www.eurocontrol.int/sites/default/files/publication/files/cs4-brochure-2017.pdf>



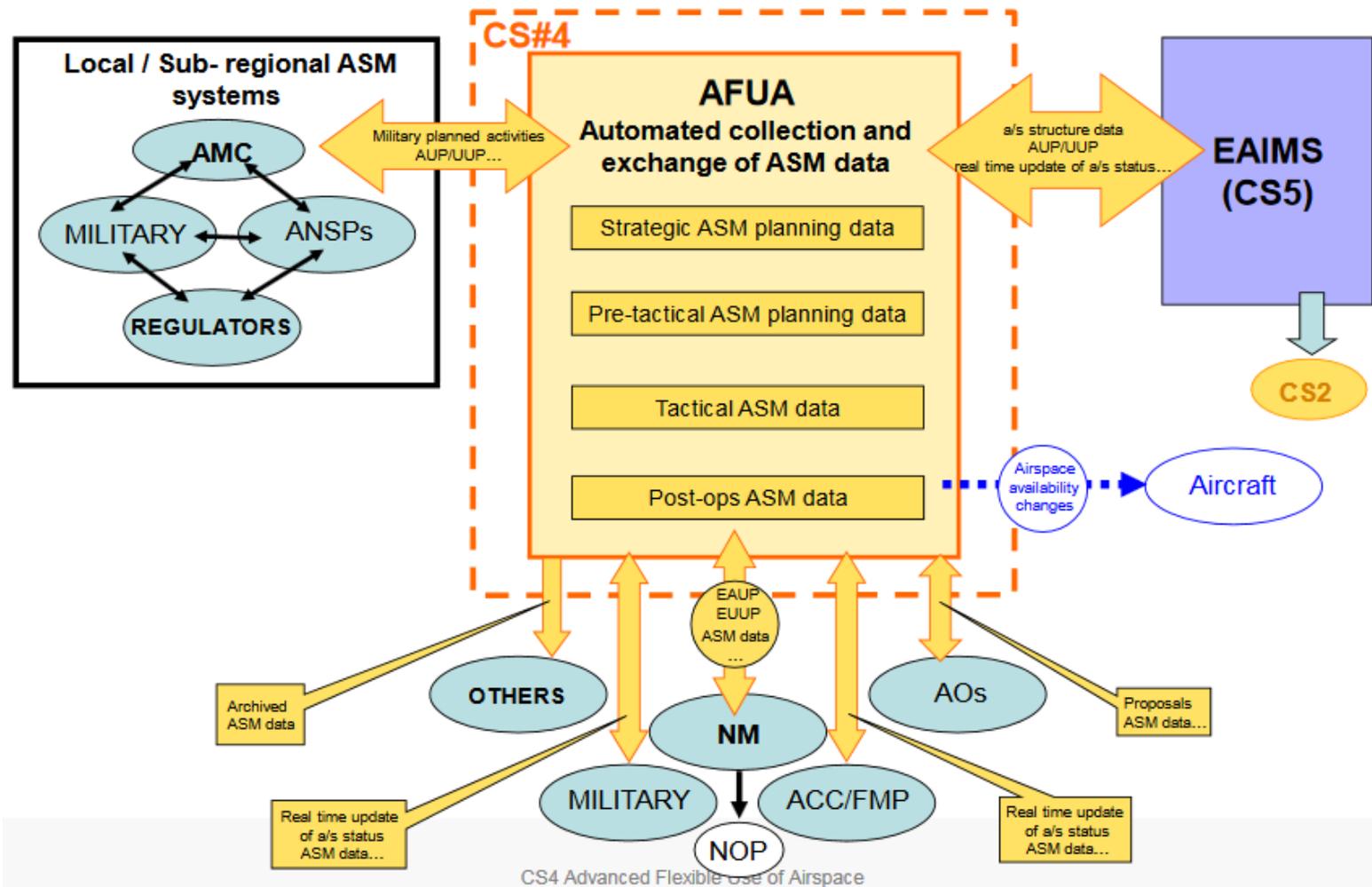
CS4



<http://www.eurocontrol.int/sites/default/files/publication/files/cs4-brochure-2017.pdf>



CS4

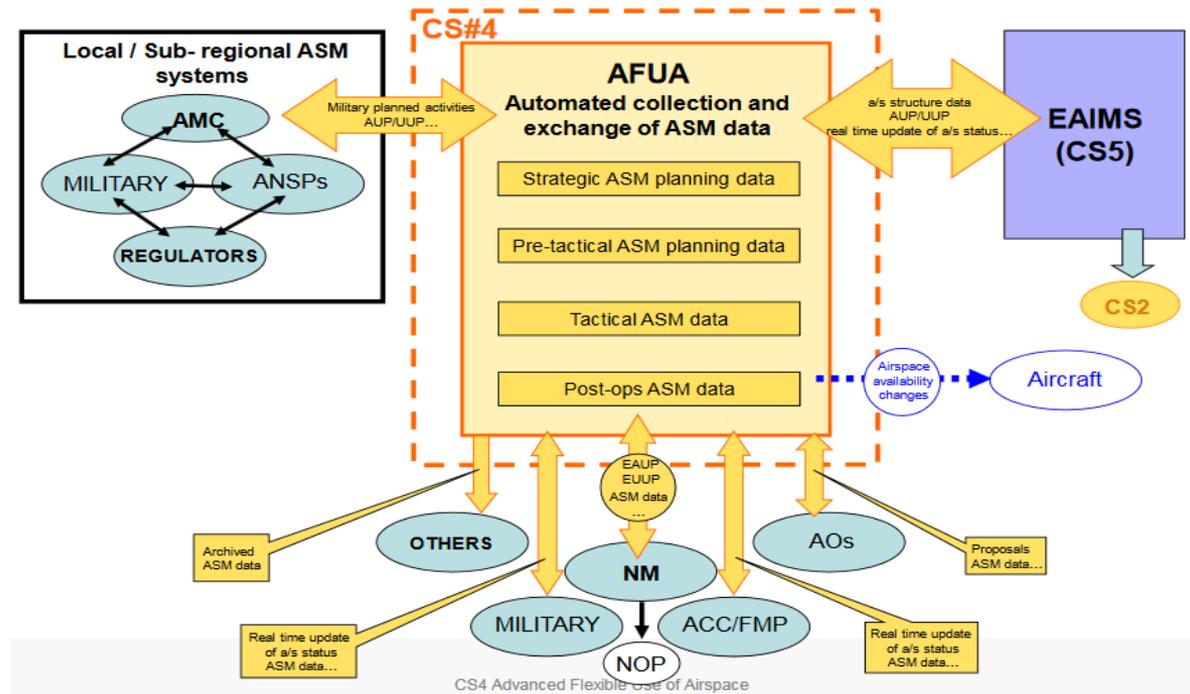


<http://www.eurocontrol.int/sites/default/files/centralised-services/20140908-cs4-afuas-conops-v21.pdf>



CS4

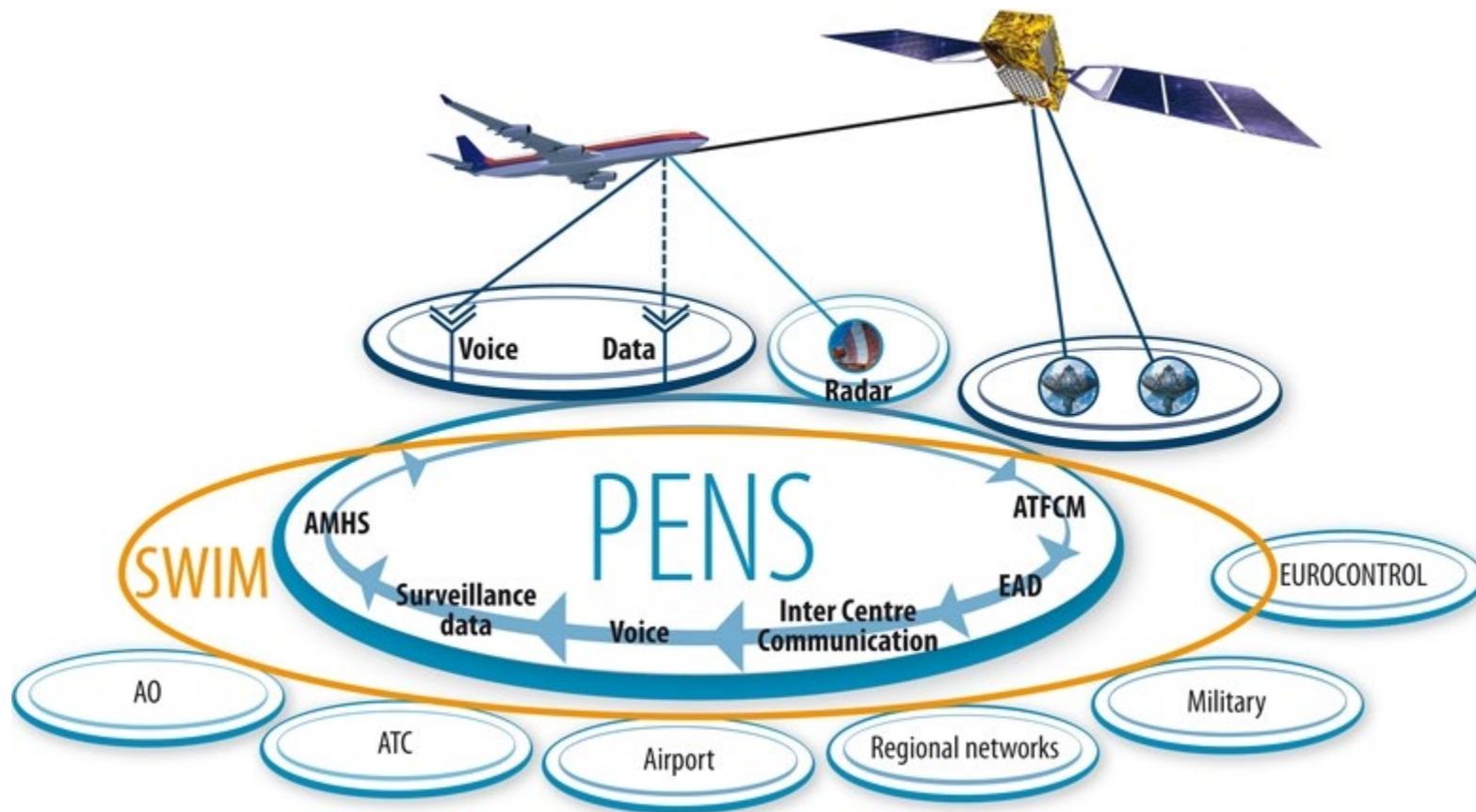
- CS8 New Pan-European Network Service = SWIM infrastructure = fundament for the yellow arrows



<http://www.eurocontrol.int/sites/default/files/centralised-services/20140908-cs4-afuas-conops-v21.pdf>



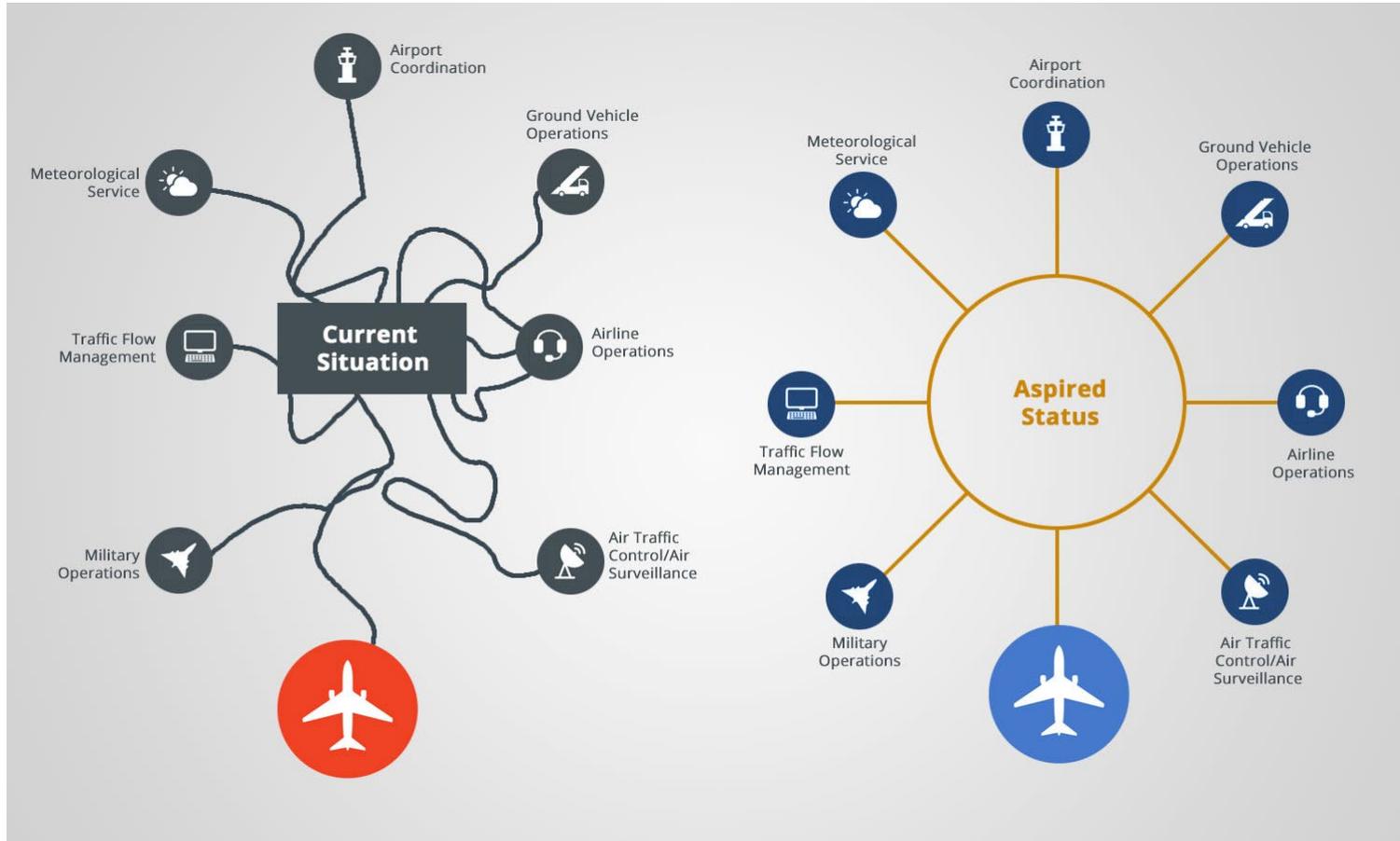
SWIM



<http://www.eurocontrol.int/articles/pan-european-network-services-pens>



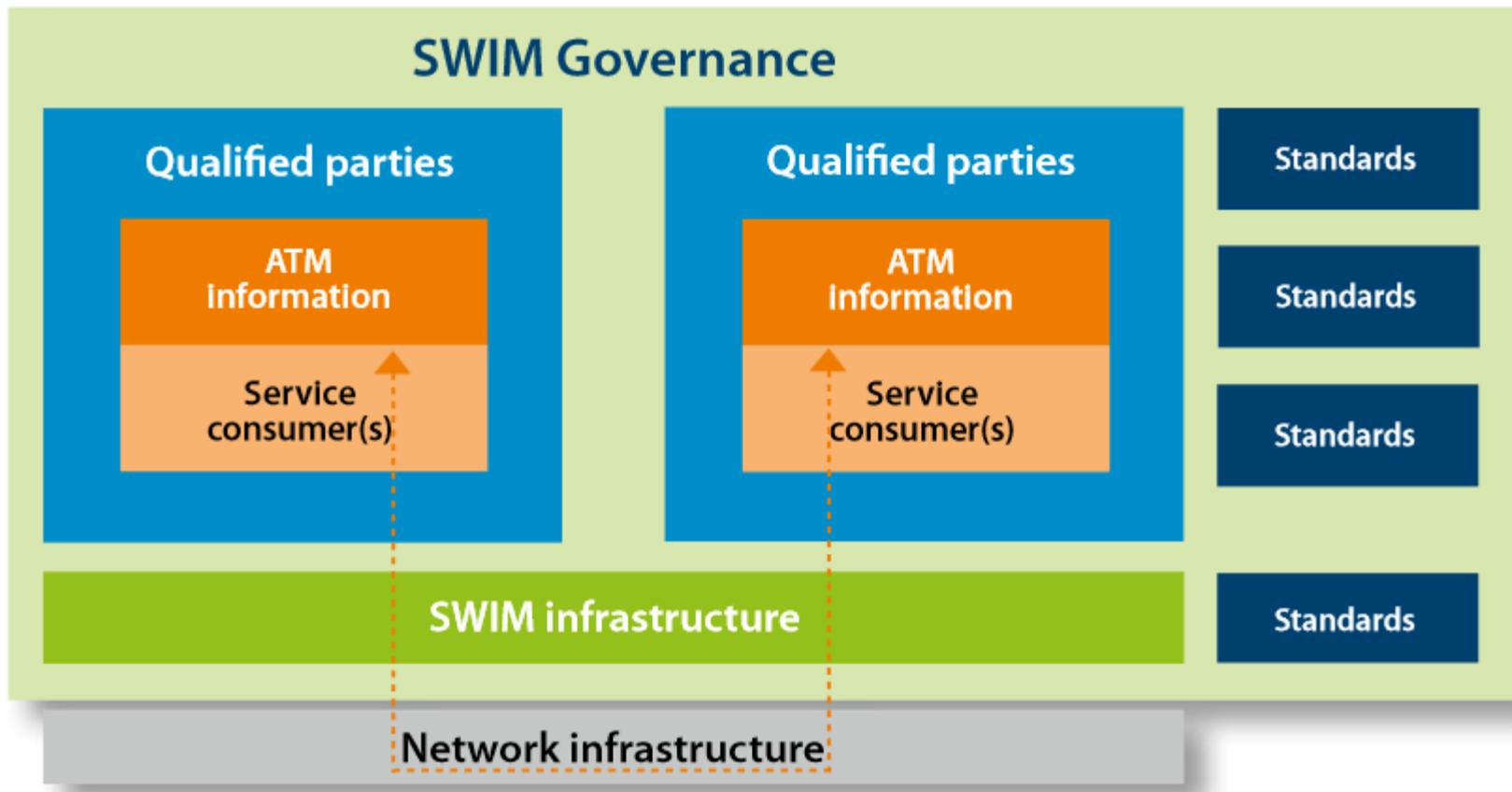
SWIM



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SWIM



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