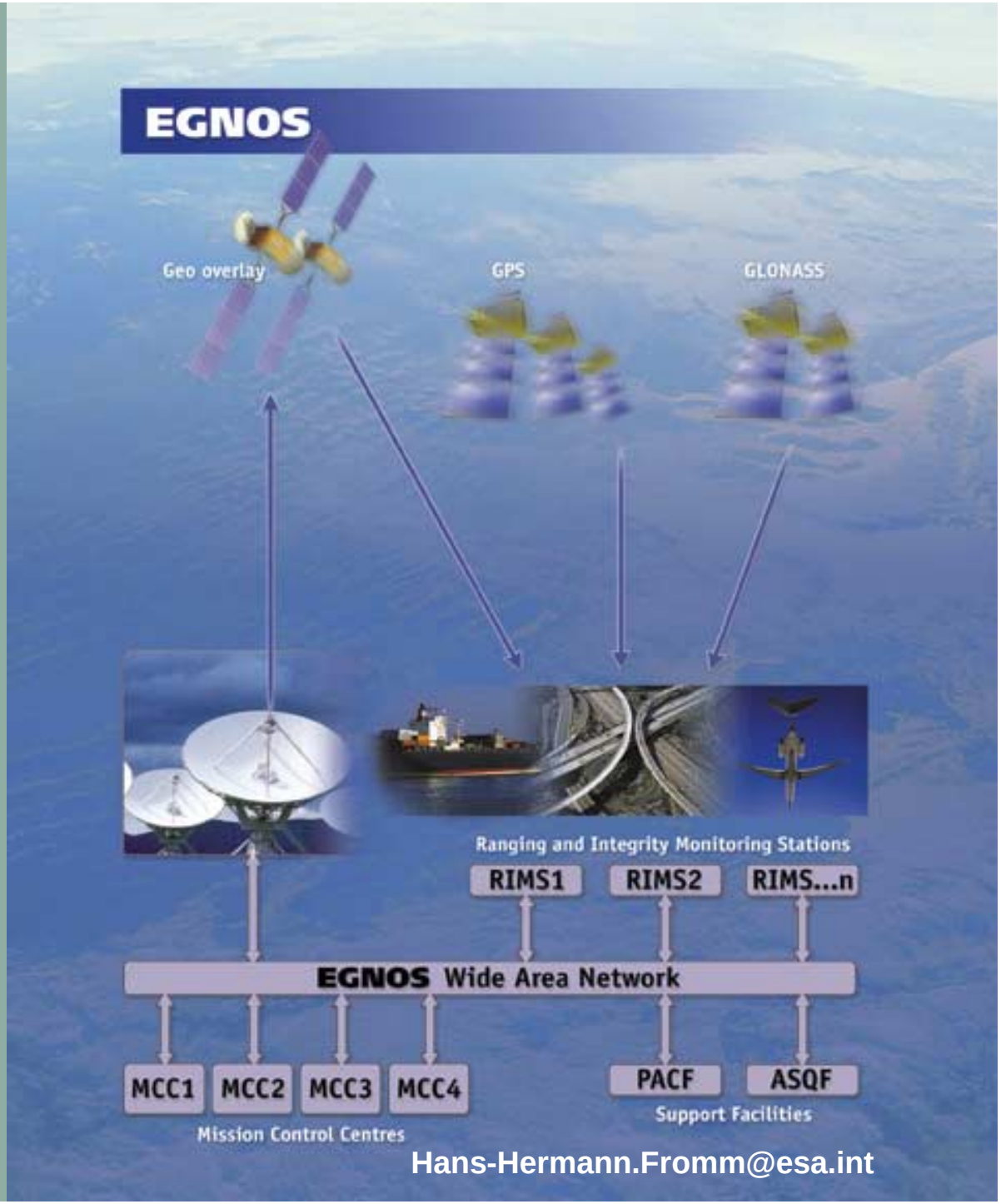
EGNOS Schedule



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Hans-Hermann.Fromm@esa.int

EGNOS PROVIDES

through
GEO
transponders

3 signals

GPS-like
(ranging) signal

Differential
Corrections

Integrity
(error bound)

improving

availability,

accuracy,

continuity
and adding safety

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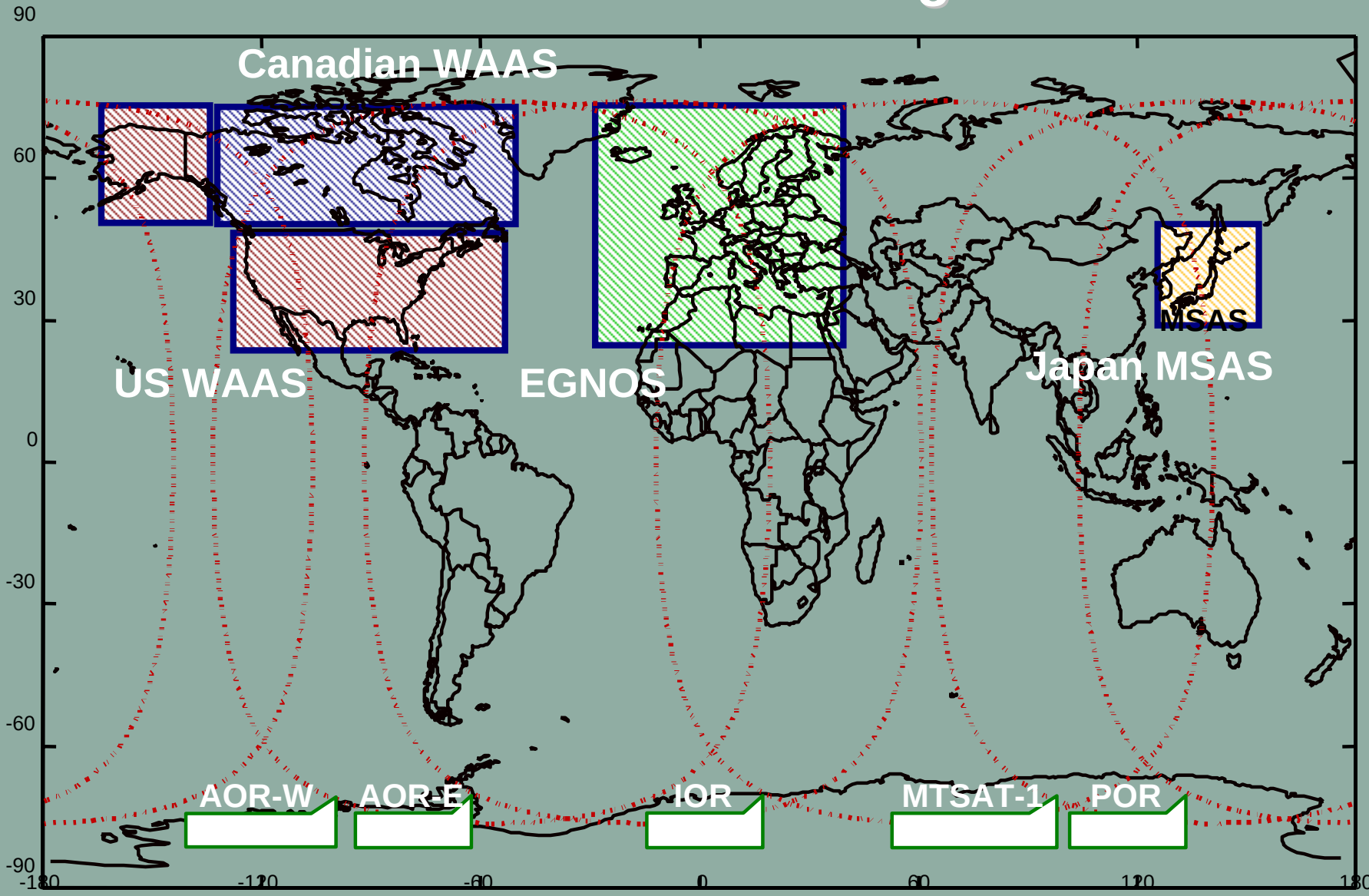
EGNOS is Part of an Inter-Regional Service



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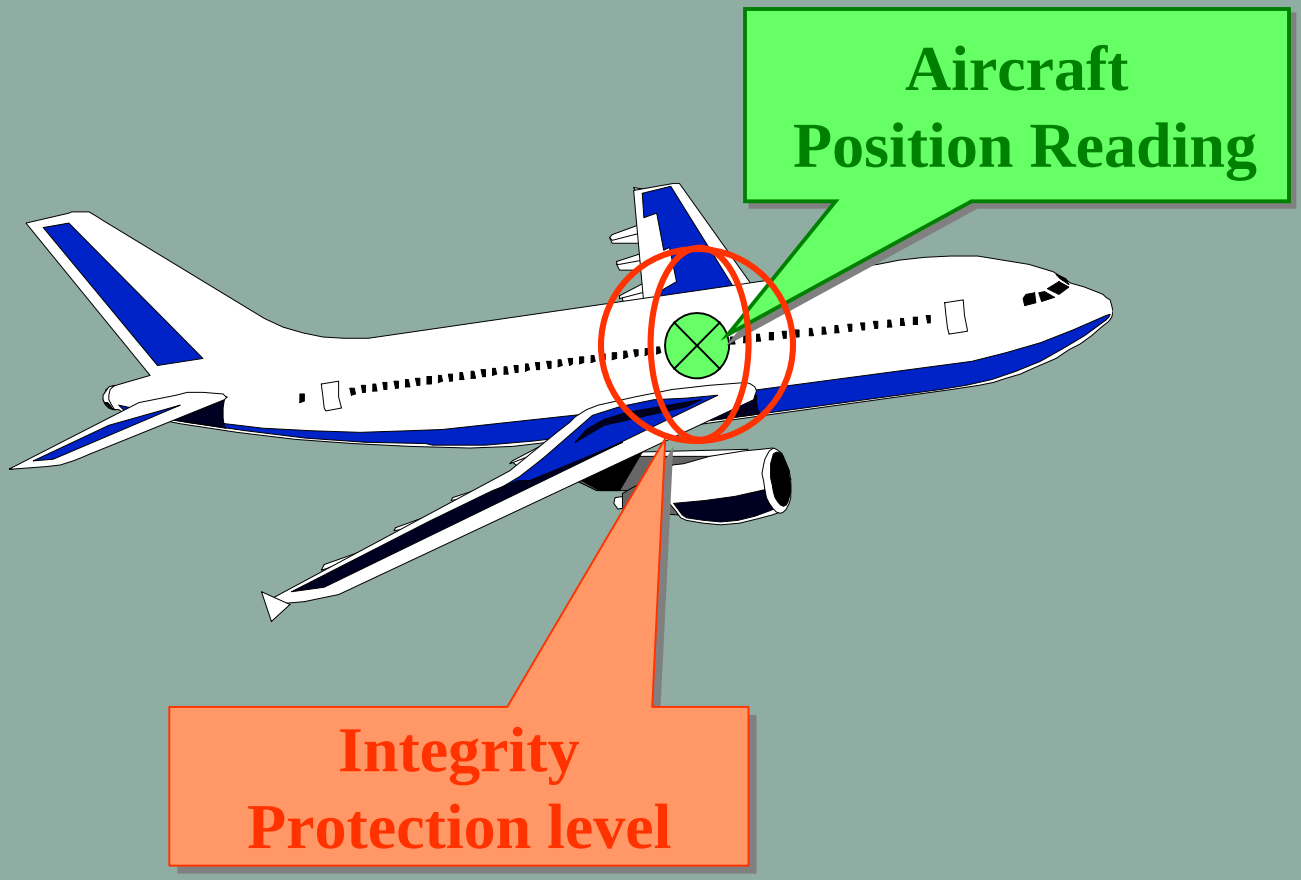
Integrity gives user a guaranteed estimation of his positioning error !



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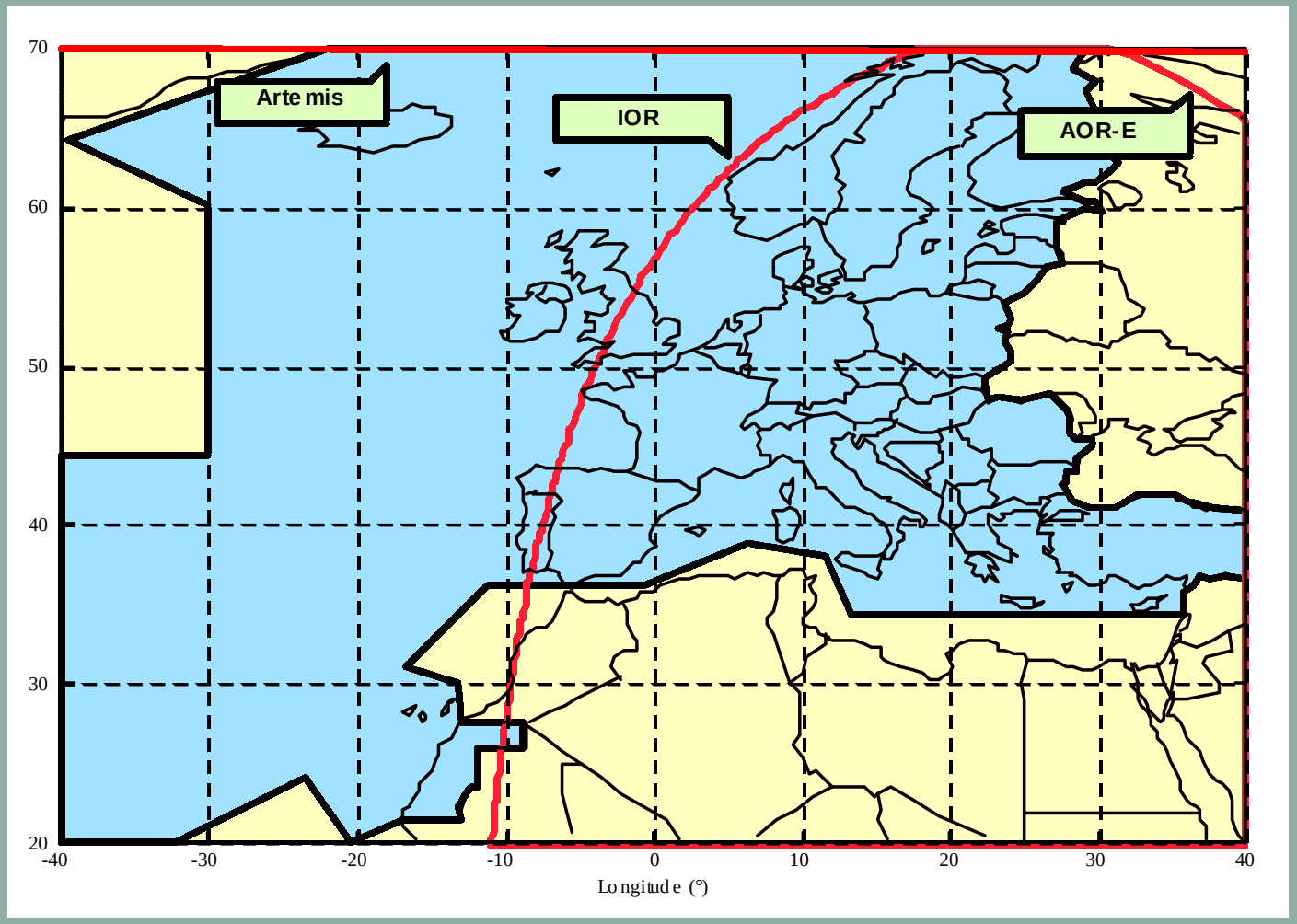
EGNOS ECAC Service Area



ECAC countries

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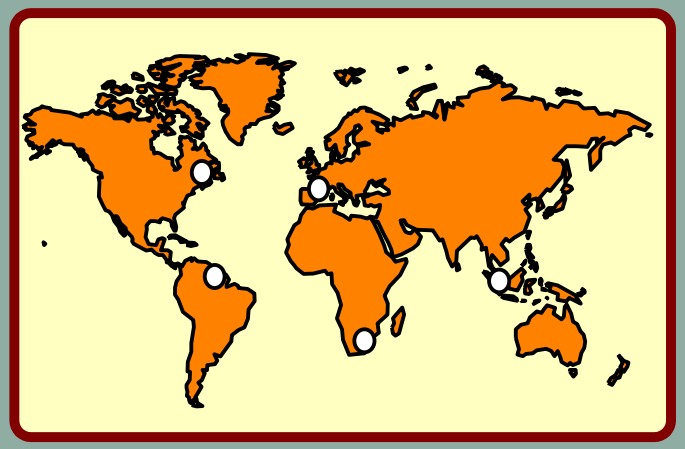
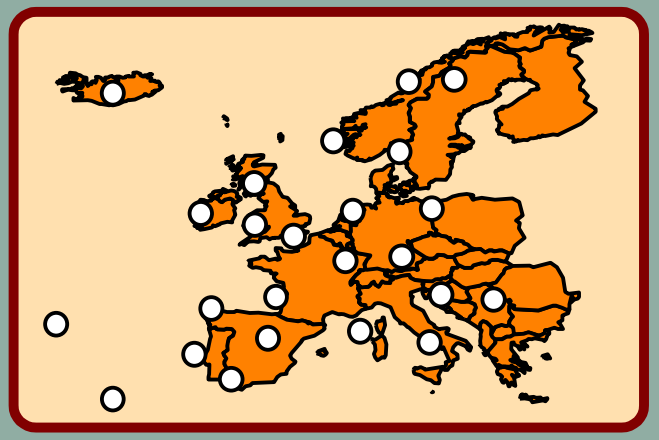
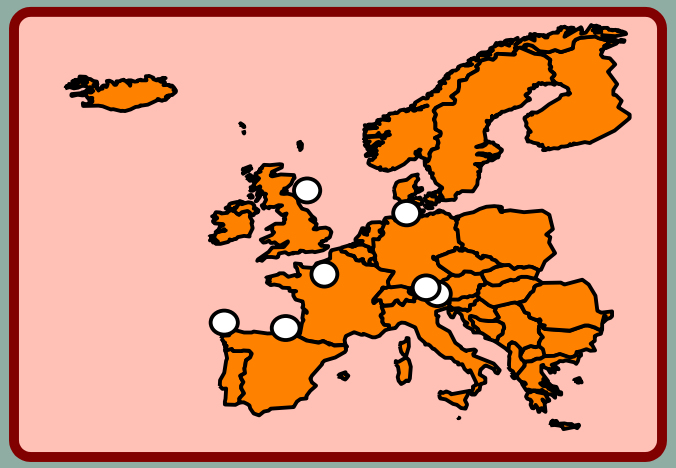
EGNOS AOC GROUND NETWORK TOPOLOGIES



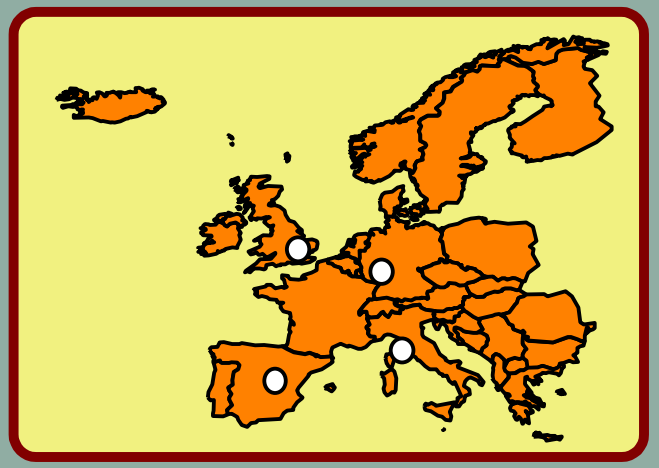
GEO RANGINGStations



Remote Integrity Monitoring Stations (RIMS)



Navigation Uplink Earth Stations (NLES)



Master Control Centres (MCC)

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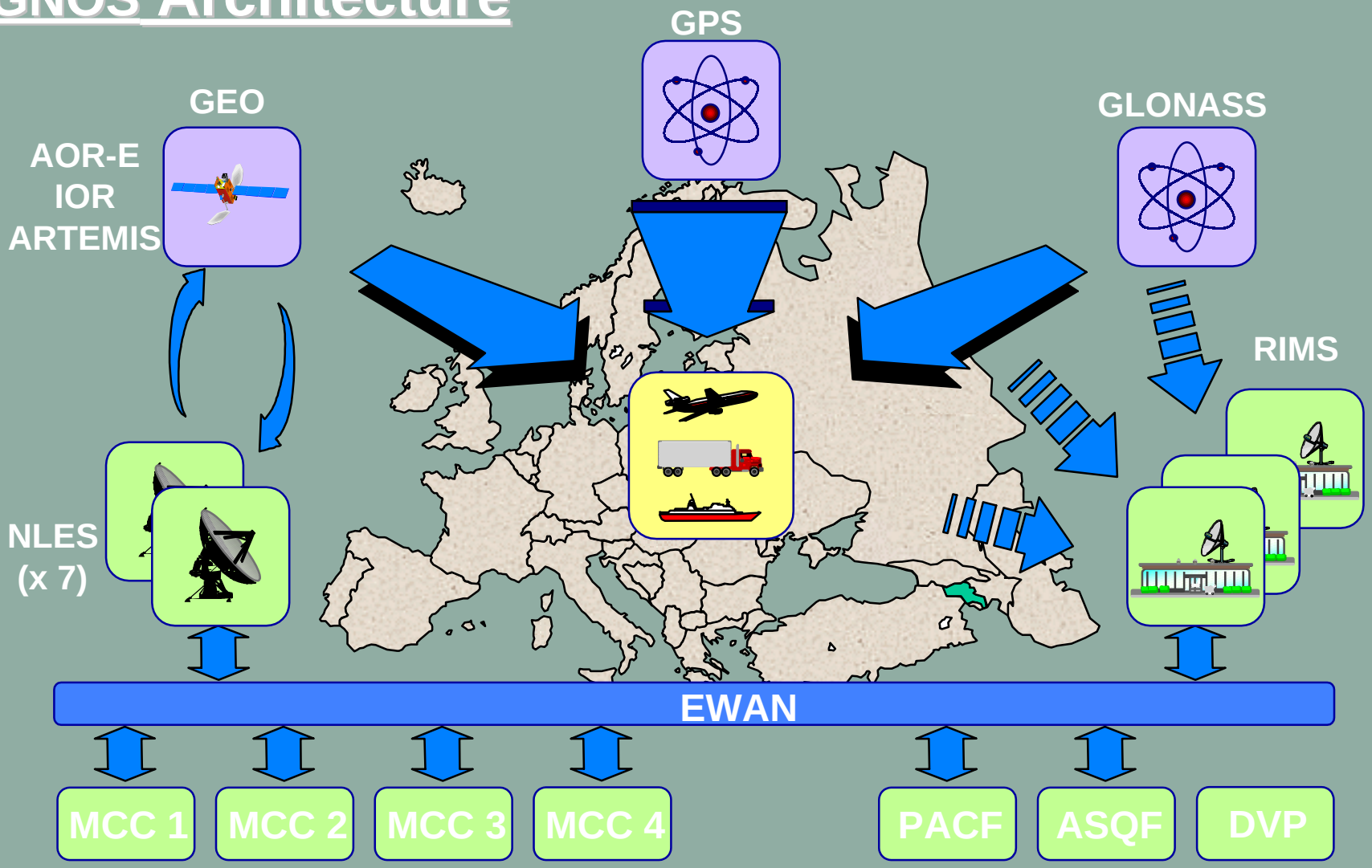
EGNOS Architecture



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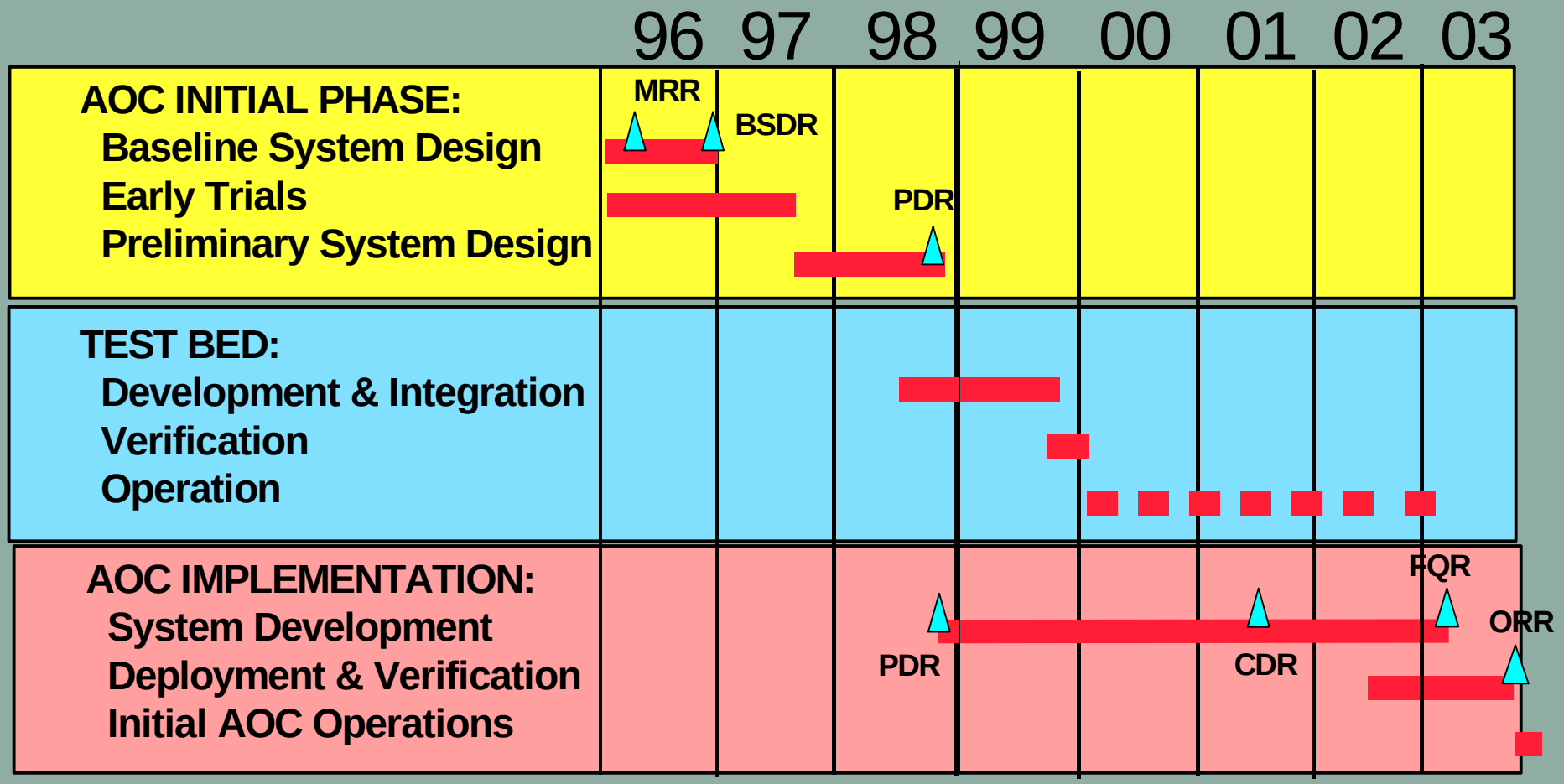
EGNOS Development Schedule



Operational Readiness Review: Dec. 2003

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Drivers and Guidelines for EGNOS Integration into GALILEO

- EGNOS AOC schedule is maintained
- European EGNOS Integrity service until 2015 according to ICAO, IMO,... standards
- Reuse / learn from certification process for EGNOS
- Protection of investment
- Smooth transition for users
- Reuse and adaptation of Ground Segment
- Avoidance of common mode failures
- Common management set-up
- Early commercial service provision

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EGNOS Roadmap (1)

2001: Establishment of procedures for transfer of ownership, Initiation of selection process for operator (Signal In Space Provider)

until end 2003: Service build-up through ESTB with involvement of operator

from 2004: Start of EGNOS AOC operations

EGNOS Roadmap (2)

from 2006/08: EGNOS integration into GALILEO, ground infrastructures to be harmonised

around 2015: Signal dissemination to be reassessed, depending on market needs, operator decisions and applicable international standards at that time

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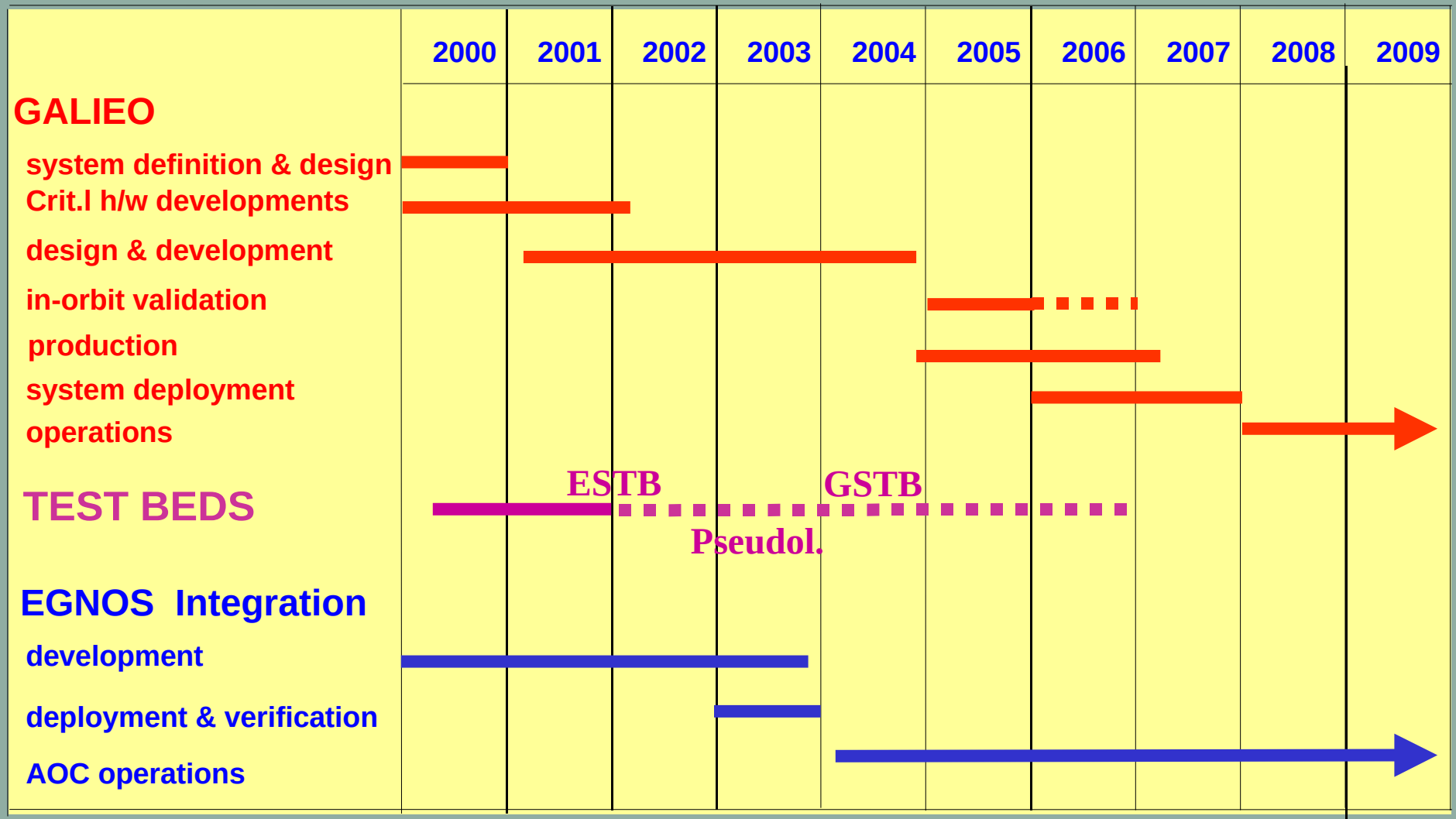
GALILEO/EGNOS Implementation Schedule



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