The EUR RMA

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ASE Workshop
Atlantic City
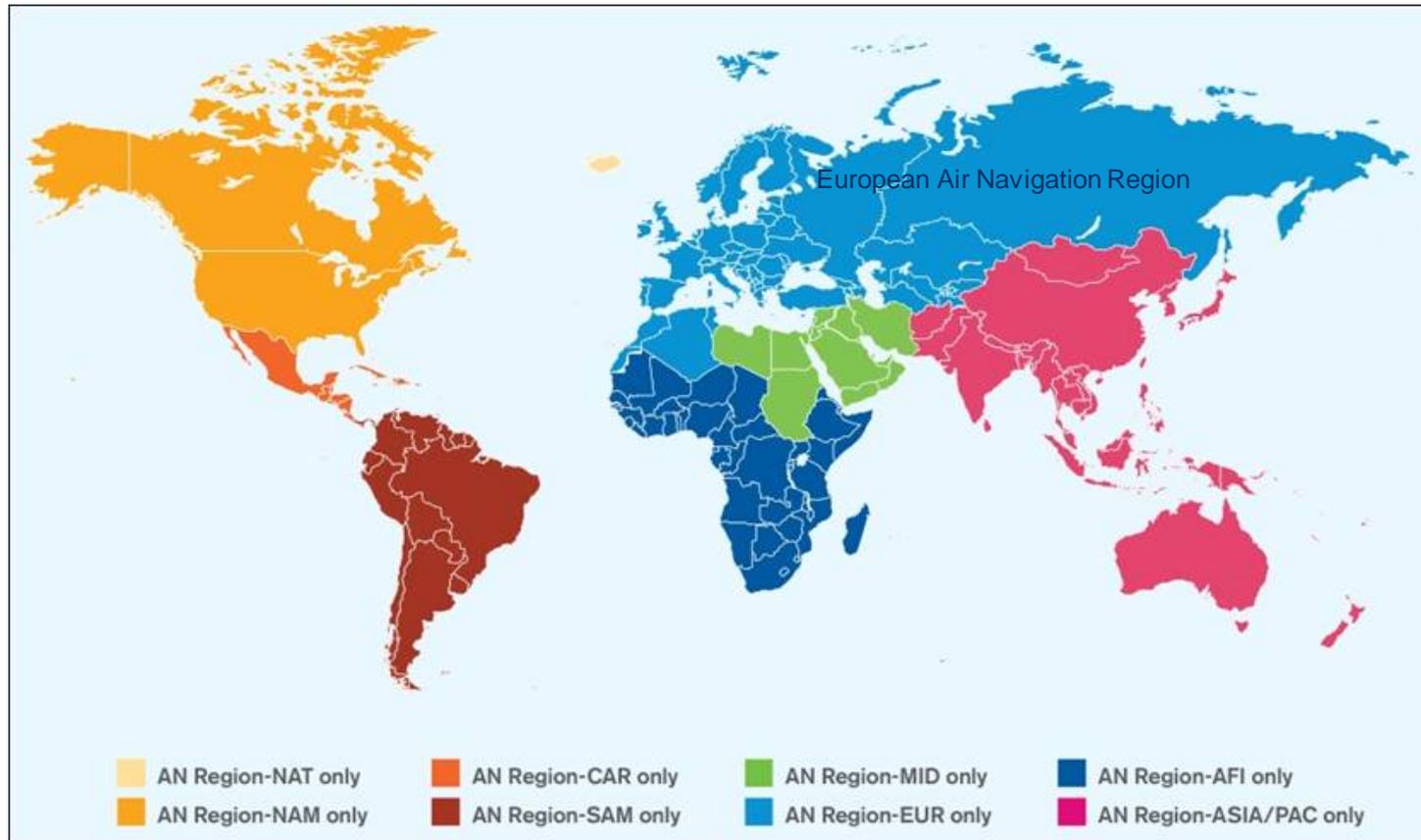17 – 19 October 2017

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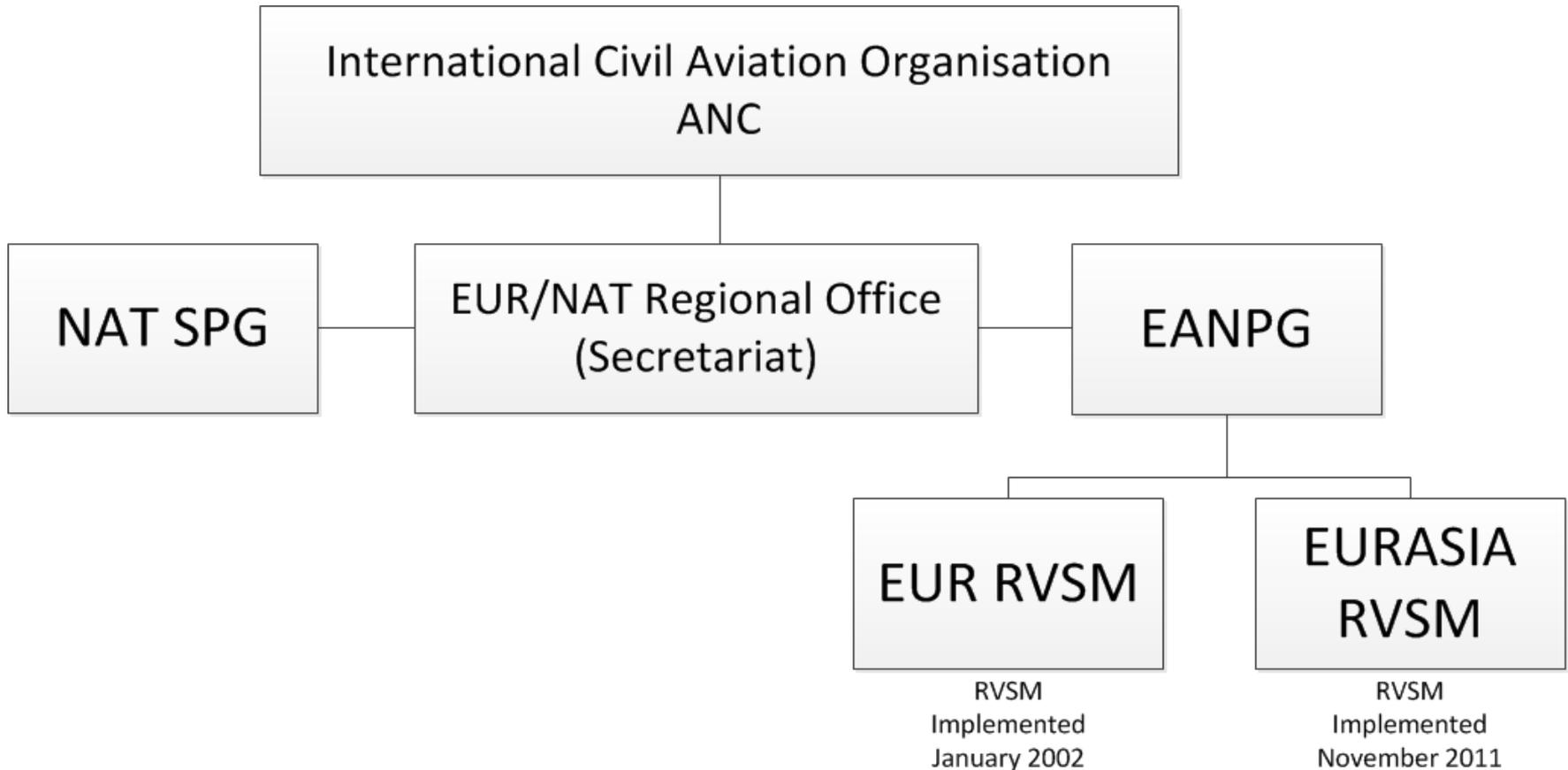Flight Level Distribution in ECAC
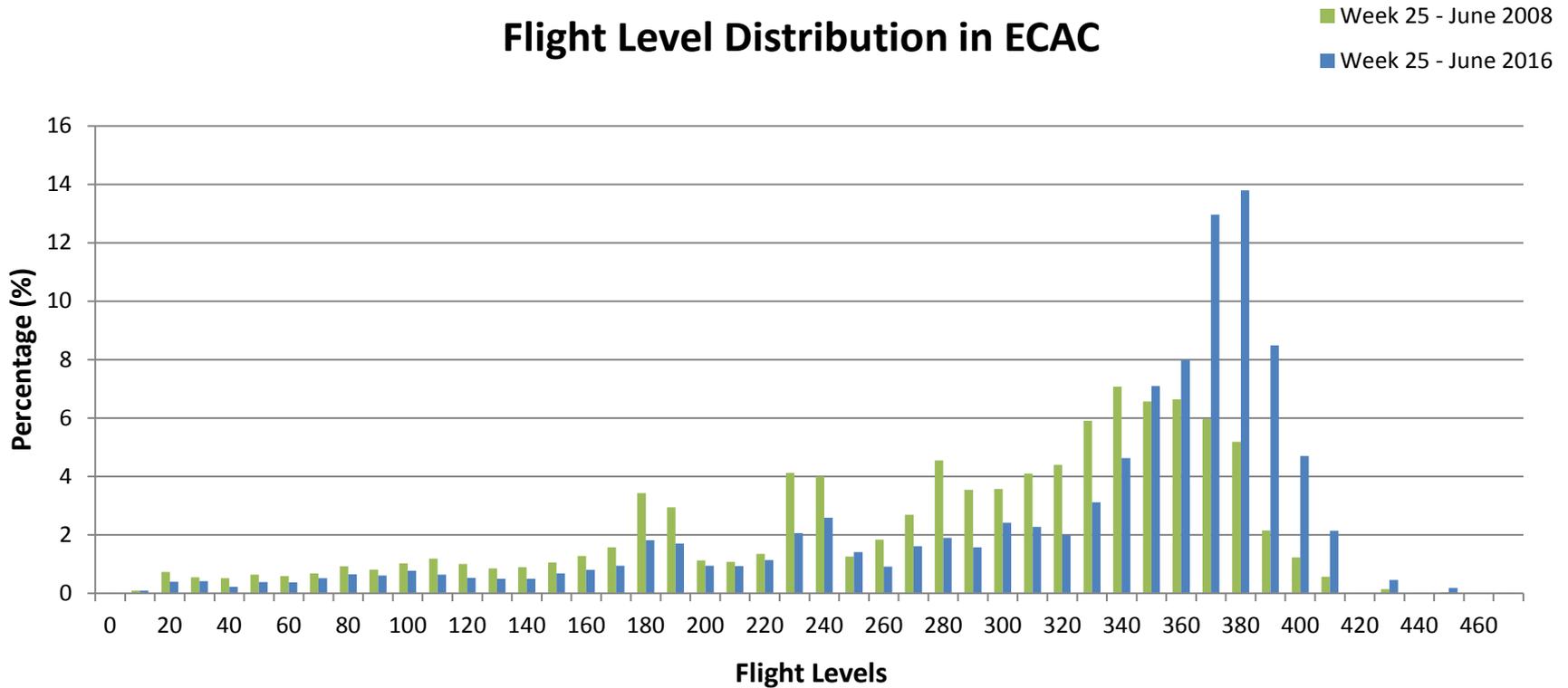
History

- EUROCONTROL managed the RVSM implementation programme in Western Europe on behalf of ICAO European Air Navigation Planning Group

- RVSM permanent monitoring program requirement embodied in ICAO Annex 11

- EUR RMA established in 2003 by decision of EUROCONTROL Permanent Commission following request from ICAO EANPG

- EUR RMA is currently part of Network Manager Directorate of EUROCONTROL

ICAO Air Navigation Regions

European Air Navigation Region

AN Region-NAT only	AN Region-CAR only	AN Region-MID only	AN Region-AFI only
AN Region-NAM only	AN Region-SAM only	AN Region-EUR only	AN Region-ASIA/PAC only

ICAO EUR Regional Monitoring Agencies

ICAO Regional Monitoring Agencies

PARMO

NAARMO

NAT CMA

Eur RMA

Eurasia RMA

China RMA

Japan RMA

Mid RMA

ARMA

MAAR

CARSAMMA

SATMA

AAMA
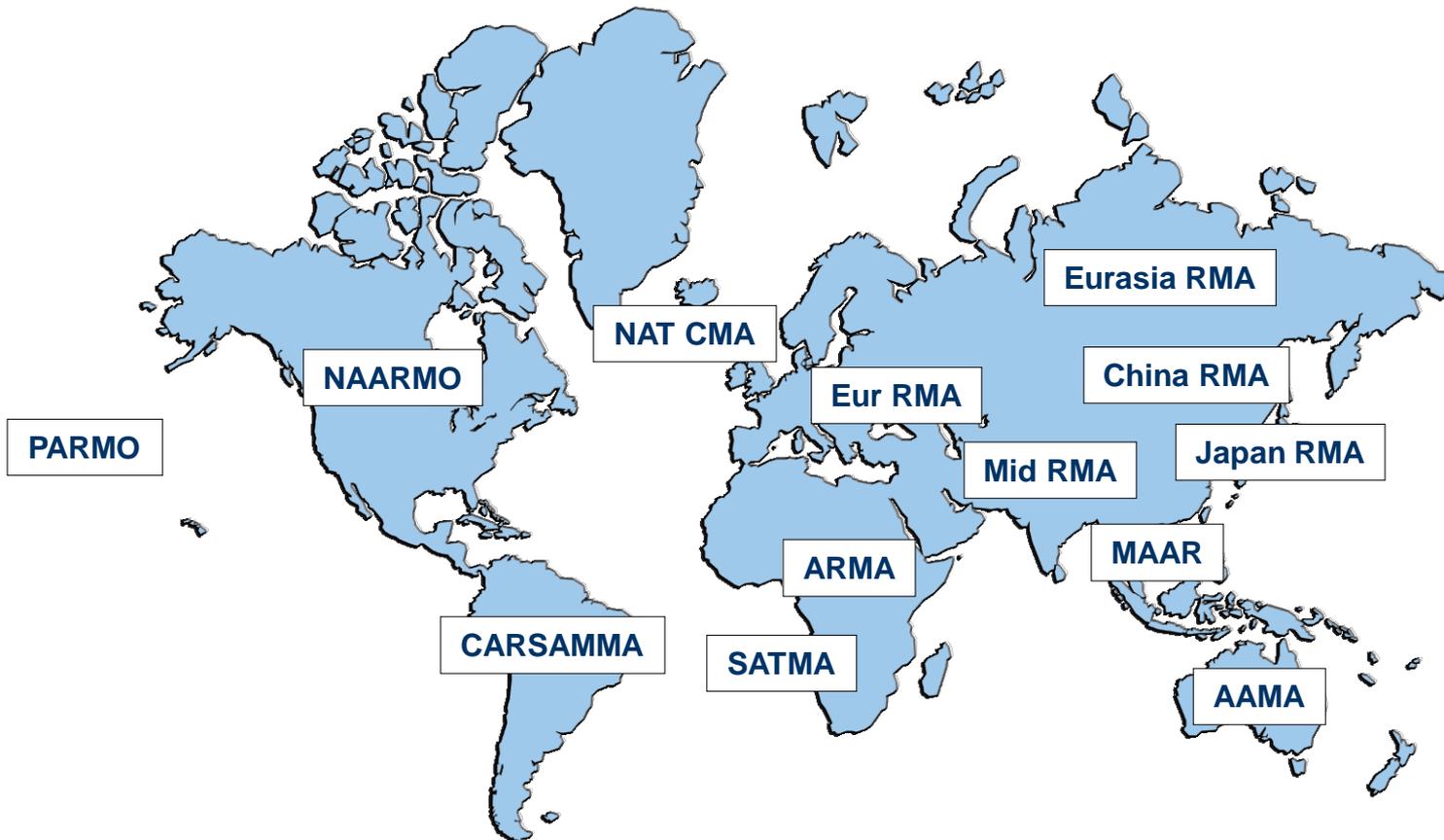
Contracting States to the ICAO European Air Navigation Region

Albania	Finland	Monaco	Turkey
Algeria	France	Montenegro	Ukraine
Andorra	FYROM	Morocco	United Kingdom
Armenia	Georgia	Netherlands	
Austria	Germany	Norway	Guernsey
Azerbaijan	Greece	Portugal	Isle of Man
Belarus	Hungary	Republic of Moldova	Jersey
Belgium	Iceland	Romania	
Bosnia & Herzogovina	Ireland	San Marino	RMA EURASIA
Bulgaria	Israel	Serbia	Kazakhstan
Croatia	Italy	Slovakia	Kyrgyzstan
Cyprus	Latvia	Slovenia	Russian Federation
Czech Republic	Lithuania	Spain	Tajikistan
Denmark	Luxembourg	Switzerland	Turkmenistan
Estonia	Malta	Tunisia	Uzbekistan

EUR RMA Mandated Responsibilities

- Conduct statistical collision risk estimates
  - Due to Technical Aircraft Height Keeping Performance
  - Due to Operational Conditions (Human, technical and environmental)
- Identify and report individual aircraft altimetry system performance problems
- Assess generic aircraft height keeping performance
- Maintain the definition of RVSM Monitoring Groups
- Monitor compliance with RVSM approval requirements
- Monitor operator compliance with LTHM requirements
- Identify any other safety issues associated with RVSM

EUR RMA Other Services

- Support operators with fleet performance data

- Support manufacturers with type performance data

- Support States and operators to resolve problems associated with large ASE

- Coordination with other RMAs

  - Exchange of flight plan audit results

  - Exchange of height monitoring data

  - Cooperation in developments of new height monitoring technologies

External Support to the EUR RMA

- Request operators and States to provide details of remedial actions taken to resolve poor ASE performance

- Request manufacturers to provide certification definition data to support maintenance of the RVSM monitoring groups

- States should report what action is taken with non-approved aircraft operating in RVSM airspace

- States are required to submit operational error reports and Large Height Deviation reports for assessment of collision risk statistics

Limitations of EUR RMA Support

The EUR RMA will not

- Provide monitoring data as engineering substantiation of performance to State authorities for certification or approval purposes

- Provide monitoring data for non-approved aircraft operating as RVSM approved

- Provide a new operator the monitoring data of an airframe obtained under a previous registration

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