



Mode S Interrogator Code Allocation (MICA) Origins

Surveillance/MICA Workshop

Jérôme Bodart
26-28 February 2019

Pre-Operational European Mode S

- POEMS (Pre-Operational European Mode S) program launched in 1995.
 - Coordinated approach with Europe's ATS providers to develop two Mode S ground stations.
 - Thales POEMS radar at Paris Orly (France)
 - Raytheon Systems POEMS radar at Dusseldorf (Germany)
 - Raytheon Systems POEMS radar at London Gatwick (UK)
- Test and evaluation against procurement specifications of Thales and Raytheon Mode S radars have been conducted since 2000 at the three locations.

Centralised Mode S IC Allocation in ICAO EUR

- In 2000, proposal to establish a process for the centralised allocation of Interrogator Codes agreed with the ICAO Regional Director, Europe and North Atlantic.
- In April 2002, EUROCONTROL Provisional Council recognized the need for a centralised Mode S IC allocation mechanism and requested to set up the necessary arrangements.
- In December 2002, the European Air Navigation Planning Group (EANPG 44) considered a proposal for the development of a Proposal for Amendment to the ICAO European Air Navigation Plan (EUR ANP) on Mode S IC Allocation.
- In 2011, the 53rd Meeting of the ICAO EANPG decided that the EUR Principles and Procedures for SSR Mode S IC Allocation should be transferred from the ICAO EUR ANP (Doc 7754) to a new separate document ICAO EUR DOC 024.

Centralised Mode S IC Allocation in ICAO MID

- In 2011, the ICAO MID regional office requested EUROCONTROL to formally provide support for Mode S Interrogator Code allocation in ICAO MID region. It has been agreed that:
 - MICA Cell will support the ICAO MID regional office, with the same standard bi-annual MICA cycle as that for Mode S interrogators within EUR region.
 - A single ICAO MID Regional Officer CNS will coordinate directly with the MICA Cell for all countries in MID region.