



# Euro FMG

AFC Winter 2016 Meeting – Albuquerque, NM

# What is the Frequency Management Group (FMG)?



## – The Frequency Management Group (FMG)

- ICAO sponsored group, established by the European Air Navigation Planning Group (EANPG)
- Pursue aeronautical frequency spectrum management in support to the relevant ICAO Objectives
- Membership includes European States as well as Eurocontrol, IAOPA and IATA
- Observers include datalink service providers and ASRI

# ELSA European VDL Mode 2 capacity and performance study



- January 2016 meeting between FMG Chair and ELSA
  - ELSA is a European exploratory project that has developed tools and strategies to help implement future air navigation systems
- ELSA studied when VDL Mode 2 datalink would reach its operational limits in Europe
- ELSA has concluded:
  - One single frequency for VDL is at its capacity limits
  - 4 frequencies implementation is a minimum requirement to support VDL2 deployment until 2025

<http://www.sesarju.eu/newsroom/all-news/sesar-study-confirms-need-for-next-generation-datalink-technology>

# FMG Future Goal for VDL



- FMG has also concluded that additional VDL spectrum is required and are reviewing a proposal to assign 5 frequencies for VDL mode 2 but more work required
- FMG Chairman has stated that the goal of the FMG should be:
  - One Common signaling channel
  - Two frequencies for SITA (terminal and enroute)
  - Two frequencies for ARINC (terminal and enroute)
- ELSA is studying the impact of 5 frequencies and will report at the next FMG

# Further study is required



- FMG has requested further study before they can endorse a plan for more VDL spectrum
- FMG will work with UK NATS, Airbus, Boeing, ENAV, SITA and ARINC to review
  - VDL performance analysis
  - Multi frequency options
  - RF modeling and testing
- Next FMG meeting is scheduled for June 2016 in Paris



# Questions?