

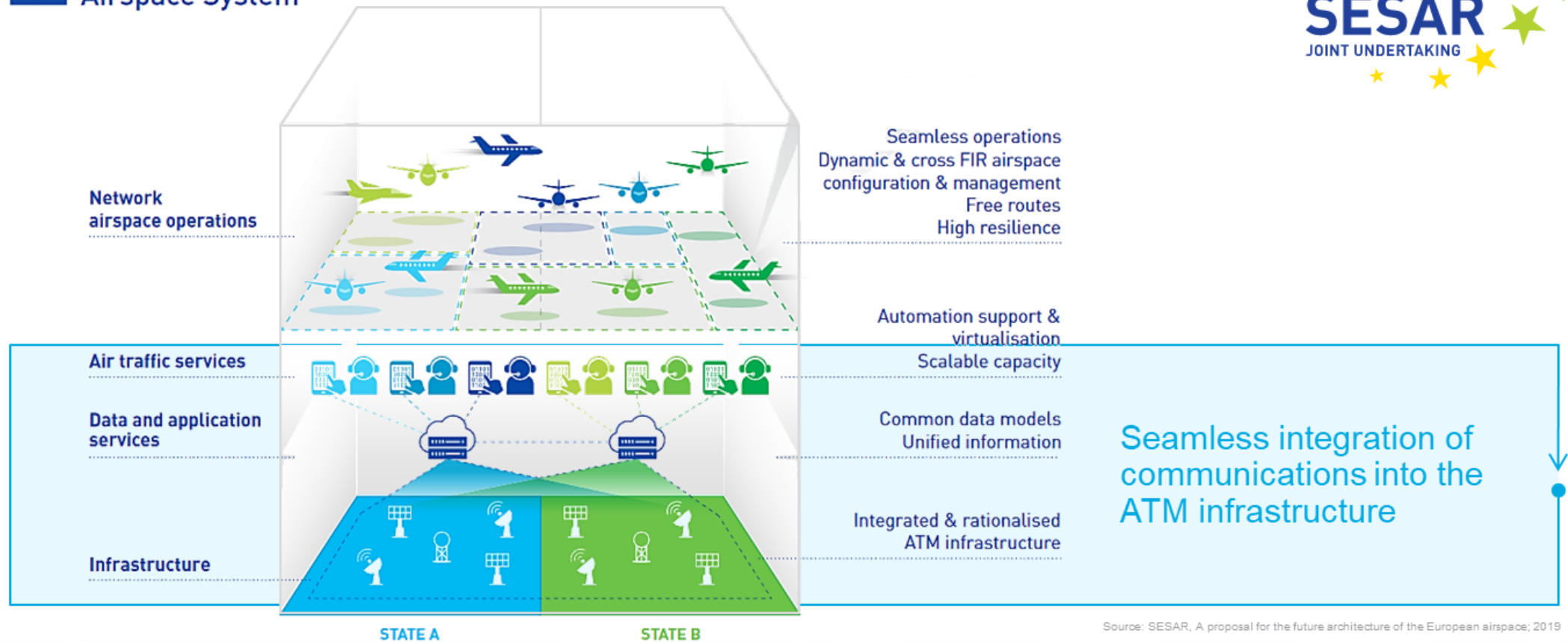


Virtual Centre and voice communication

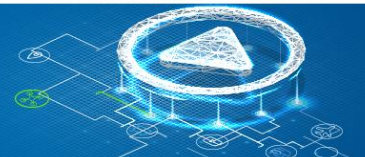
Maarten van der Lee - Frequentis



IT architecture: seamless integration of ATC communications in ATM

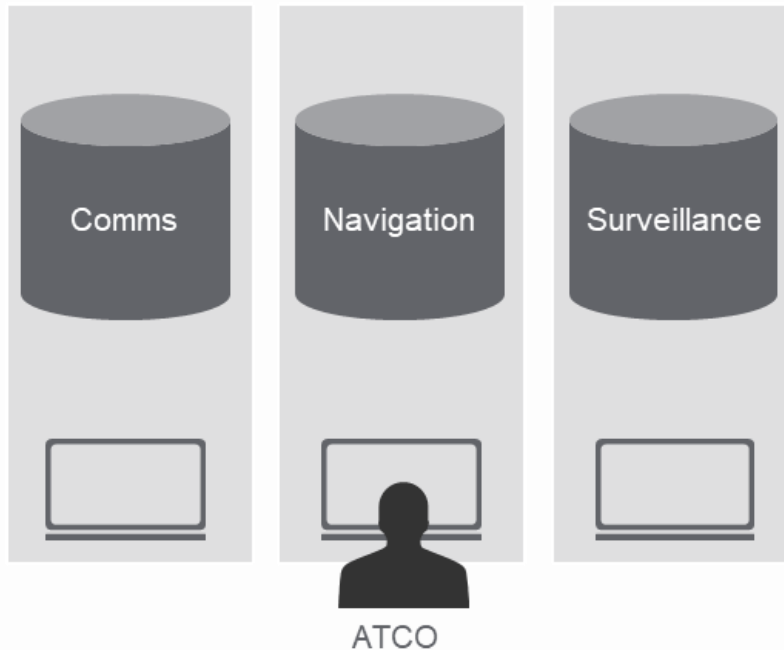


Source: SESAR, A proposal for the future architecture of the European airspace; 2019

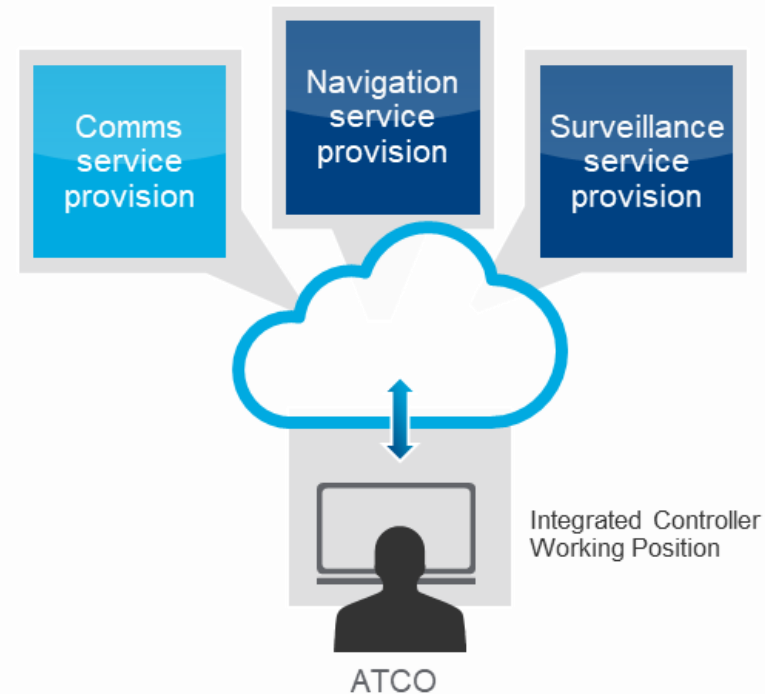


Dissolving data silos – cornerstone for the Virtual Centre

From independent silos

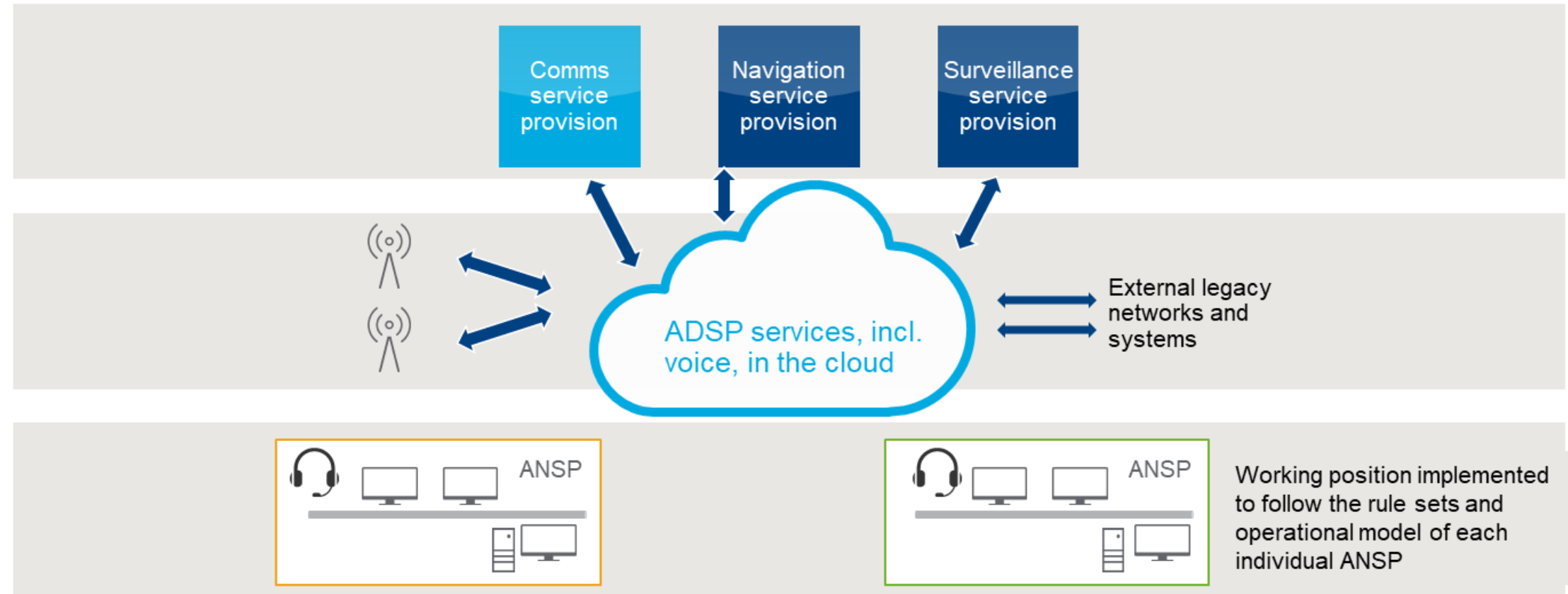


... to open infrastructure



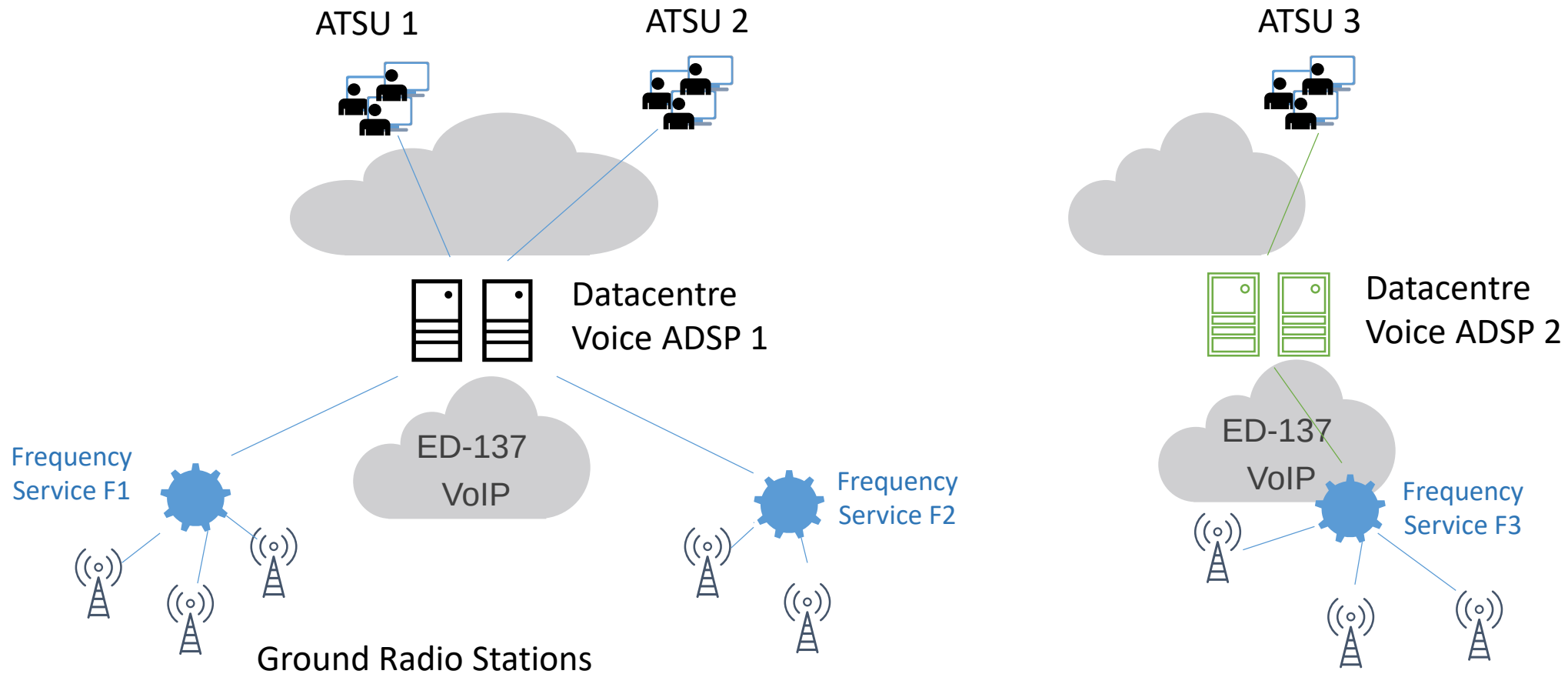
Aeronautical data service provision – applied for Voice Services

Voice as a shared service: abstracting the local implementation



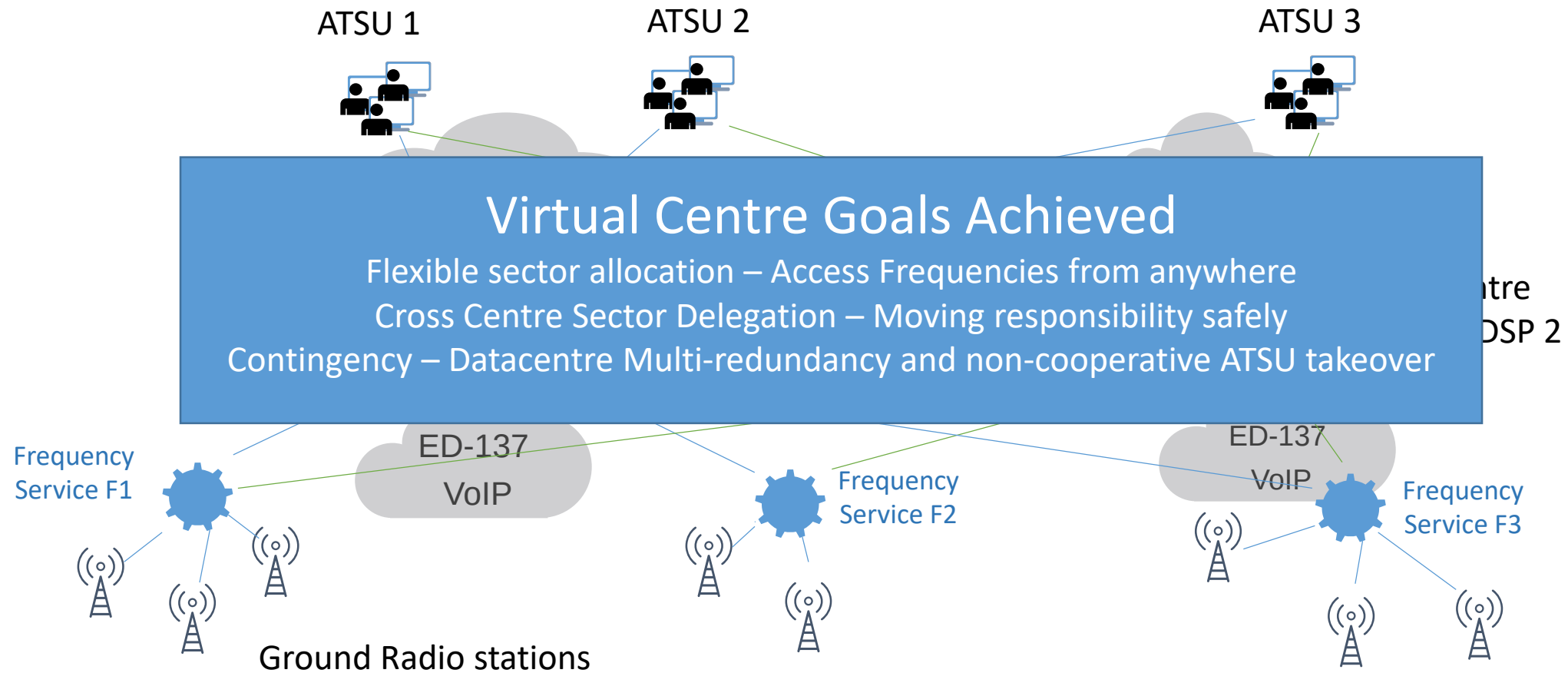
Architecture for the Voice Virtual Centre

Separating Control room and Frequencies



Architecture for the Voice Virtual Centre

Implementing the Virtual Centre – Flexibility and Redundancy



Virtual Centre Validation with Voice

- PJ16-03 Validation
 - Voice and SWIM broker datacentre in Vienna
 - Positions in Langen, Geneva, Bretigny and Budapest
 - Voice datacentre in Madrid
 - Positions in Southampton and Madrid
 - Shared GRS Simulation
- Successful demonstration of the delegation concept
 - Coordination using Voice

