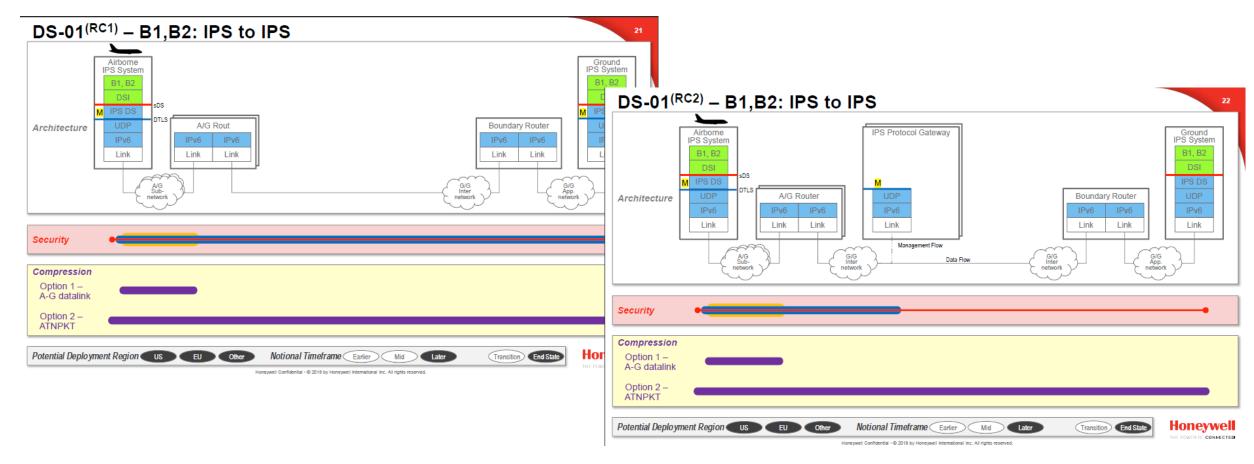


# Boeing Views on IPS Deployment

AEEC IPS - Jan 2019

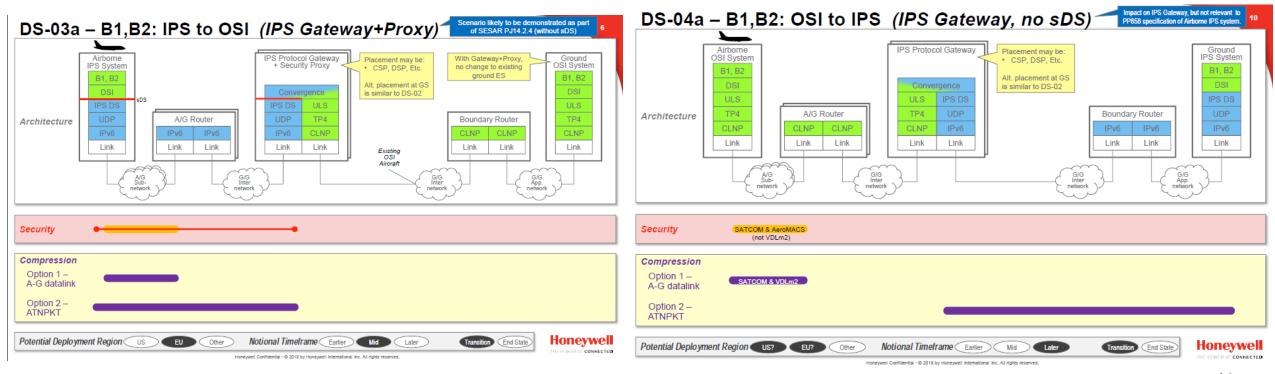
## **End-State Deployment**

- Boeing views DS-01 options as the end state
  - On-going studies on security will dictate which DS-01; either are possible at this point



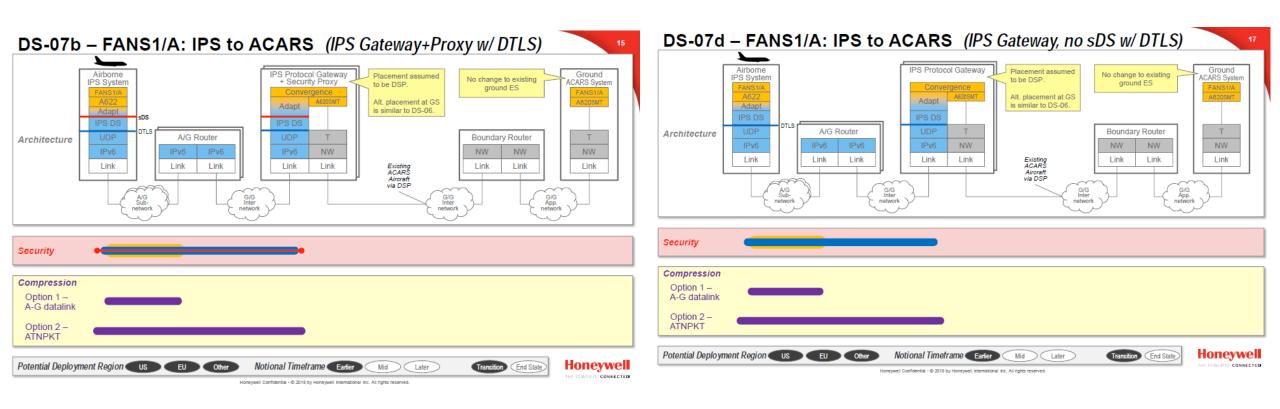
#### Transition Deployments – Europe

- DS-03b/DS-04a would be the most likely transition scenario for Europe (with a possibility that some states may do DS-02)
  - Caveat that sDS (secure Dialog Service) usage is still TBD (may just be DTLS)
  - DS-03b is IPS aircraft to OSI ground; DS-04a is OSI aircraft to IPS ground stations. These
    may be combined, since that is the Gateway Solution for mixed IPS OSI environment.



## Transition Deployments – Rest of the World

- Initial DS-07b/DS-07d seems the most likely (since end systems won't be pure IPS for a while), depending on the final security selections
- Also represents potential US Gateway Initial Deployment (TBD whether there is an operational benefit for accommodating OSI; currently there are no plans to for the US)



## Critical Next Steps/Definitions

- Combine potential deployment options to cover envisaged airspace technology support (applications and networks)
- Accelerate ground gateway trials, definitions and topology options corresponding to potential deployment options
- Confirm security requirements, perform security validation to answer Secure Dialogue Service/DTLS/other technology usage within the deployment options
- Boeing agrees compression is best left outside the ATNPKT

