



SWIM Open Day

PJ17.01 TRL4 EXE3

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Founding Members

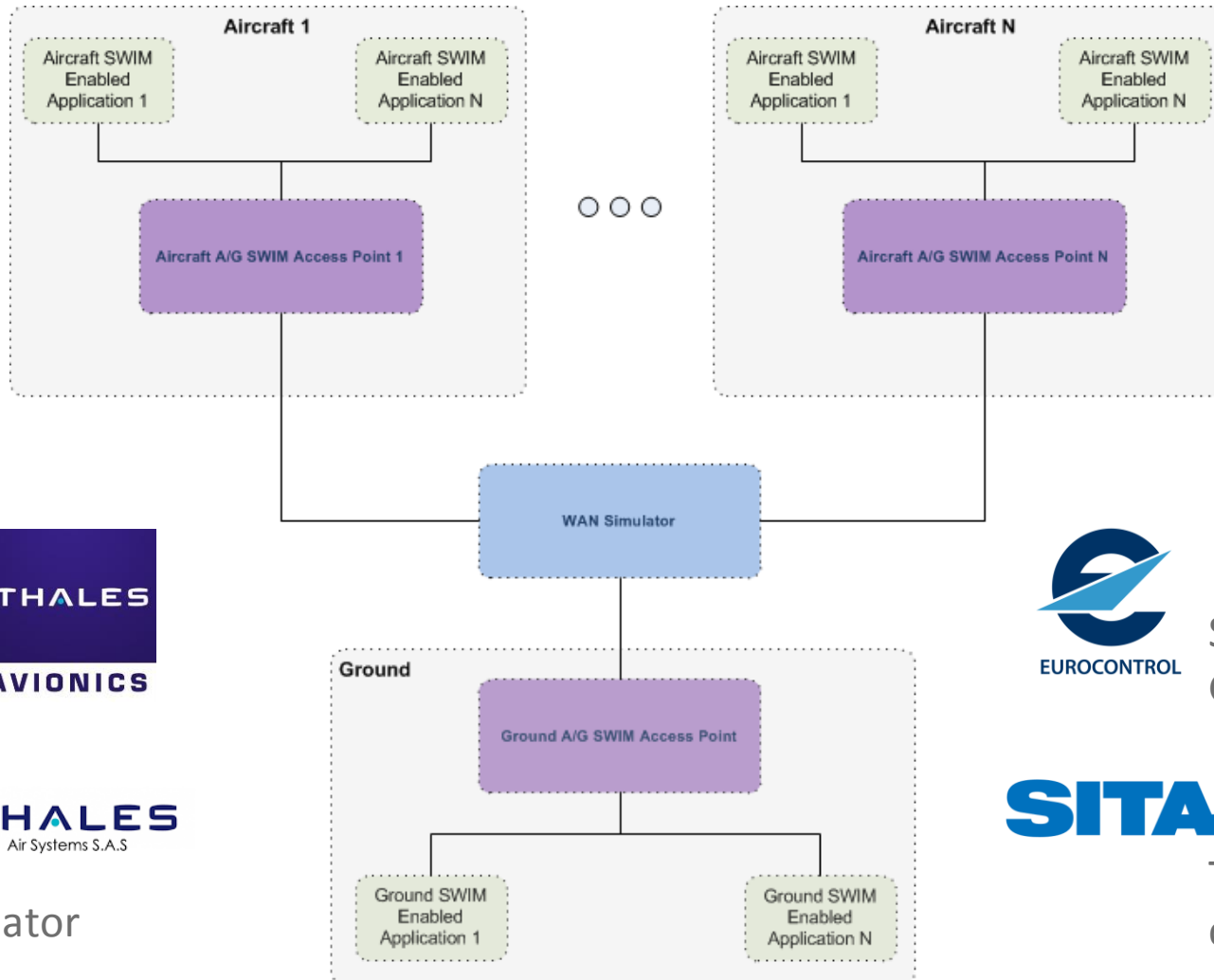


Outline



- Overview (EXE3 in TR4)
- EXE3 METEO data provision
- Outlook (EXE3 in TR6)

EXE3 TRL4 Overview (1)



A/C
A/C Apps



G/D AP
WAN Simulator



Simulated A/C,
G/D, Platform

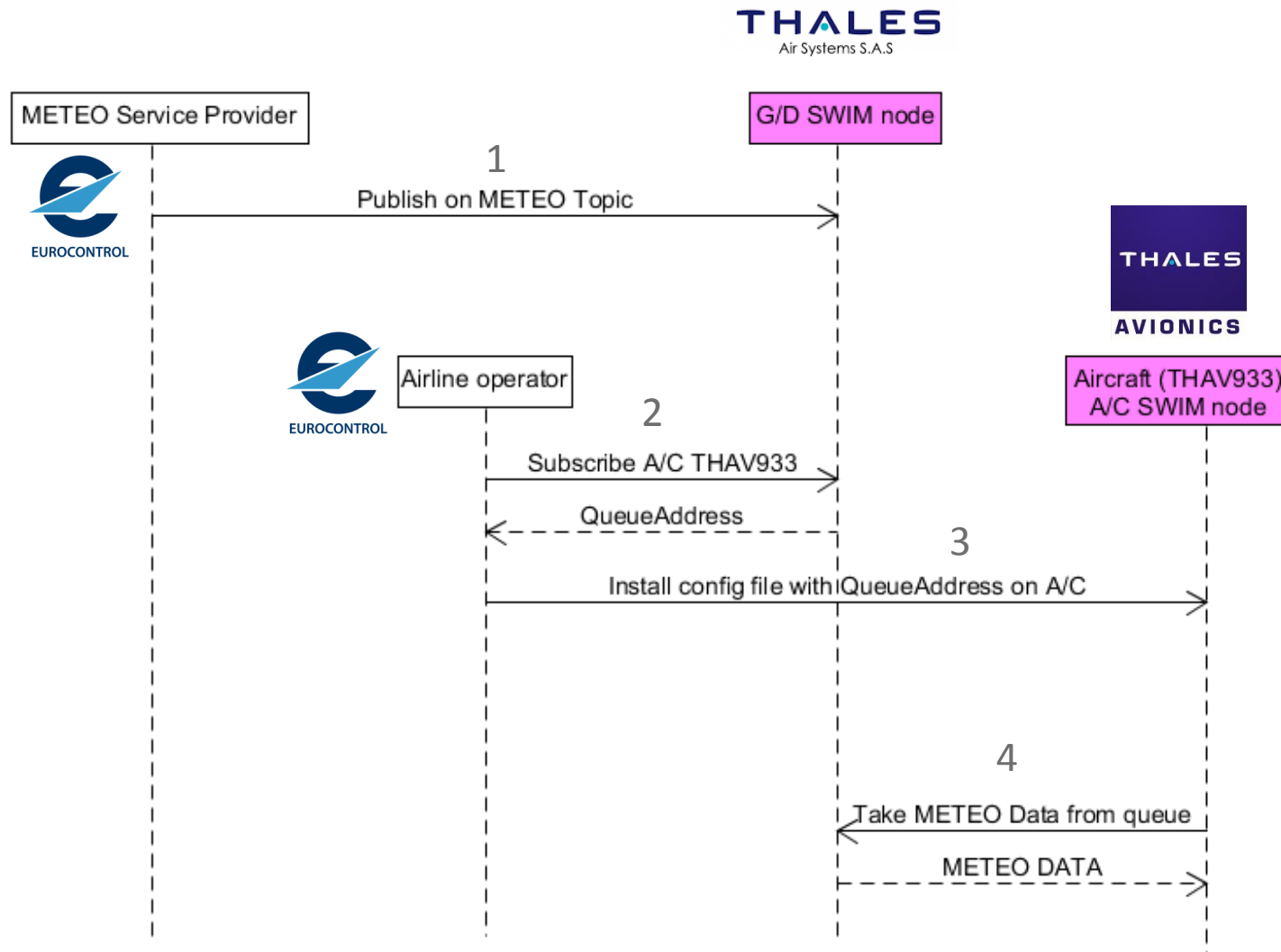


TVAL(P|R)
contributor

EXE3 TRL4 Overview (2)

- One PP Ground (G/D) SWIM node
- One PP Aircraft (A/C) SWIM node
- 10 simulated Aircraft SWIM nodes
- Emulated WAN (2Mbit / 10% loss / 200ms delay)
- Secured connection between A/C and G/D
- MEPs: Request/Response and Publish/Subscribe.
- Scenarios
 - A/C reports position
 - G/D service publishes weather
 - Freetext, i.e. chat

EXE3 METEO data provision



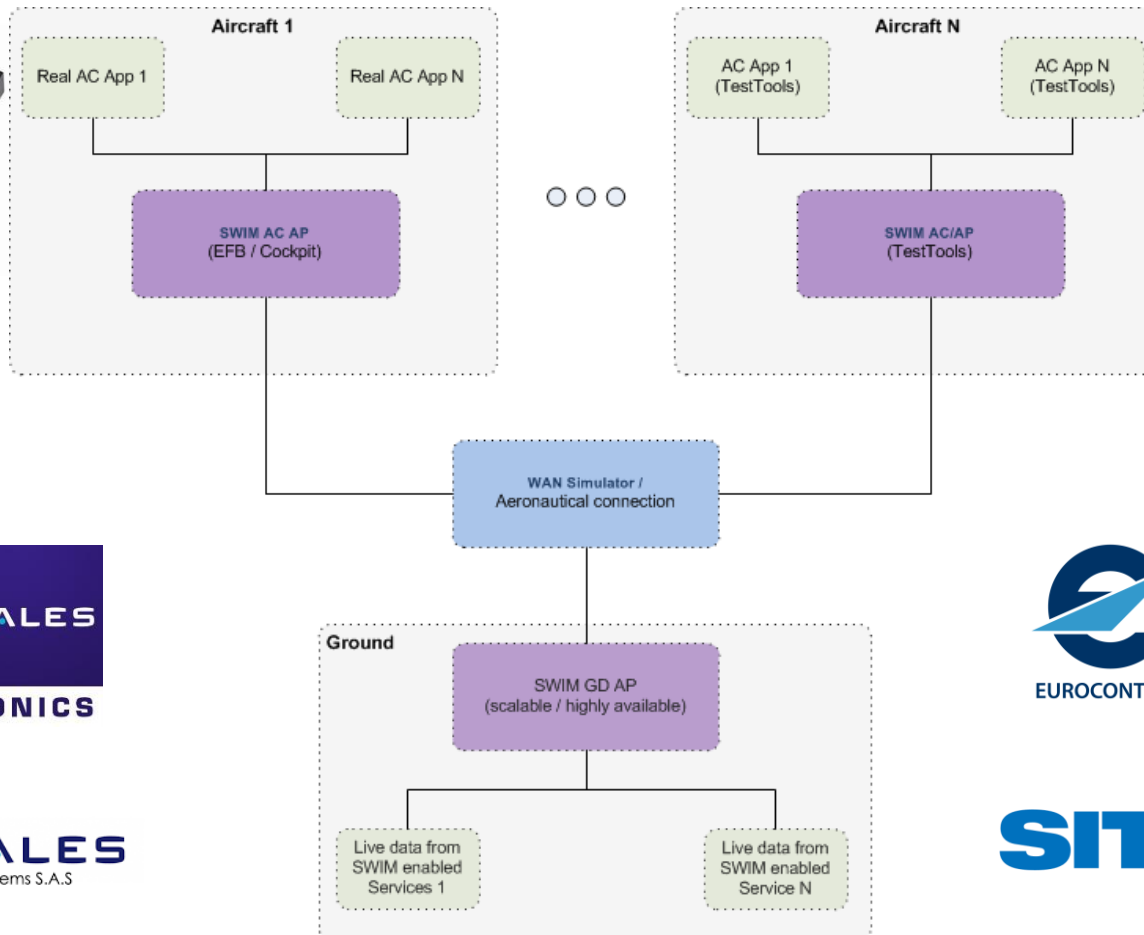
- Simulated
- Robust

- Uses existing procedures
- Unreliable link
- Secured

TRL6 EXE3 Overview (draft)



- EFB



- Real world scen.
- High availability
- Scalability
- Visualisation

EFB
A/C Apps



G/D AP



TestTools
Services



Aeronautical
connection





Thank you very much for your attention!



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Founding Members



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