

# LDACS Webinar #3

LDACS Deployment – ANSP Perspective

*1st July 2021*

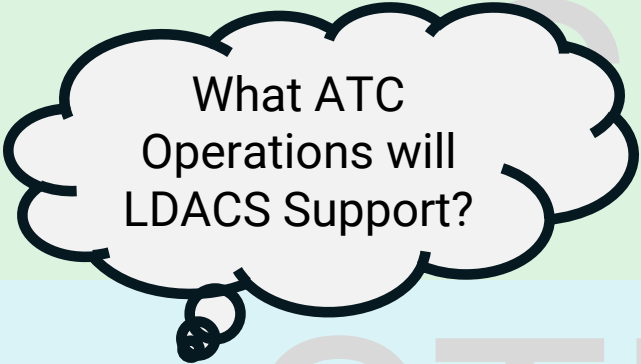
**NATS**

TECHNICAL

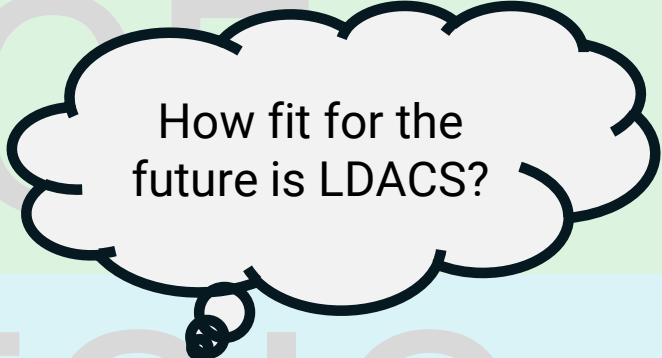
SERVICE

STRATEGIC

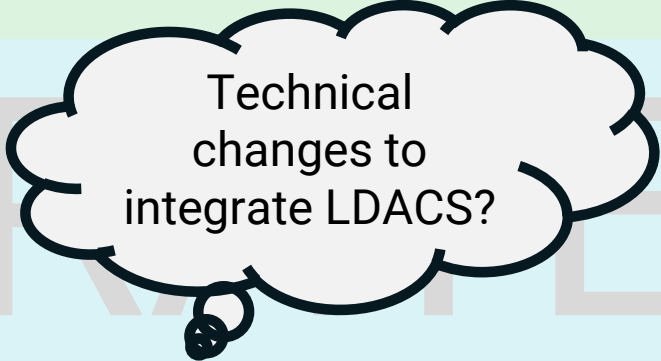
# TECHNICAL



What ATC Operations will LDACS Support?

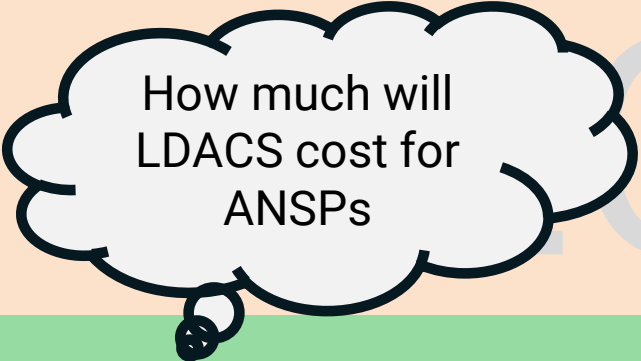


How fit for the future is LDACS?

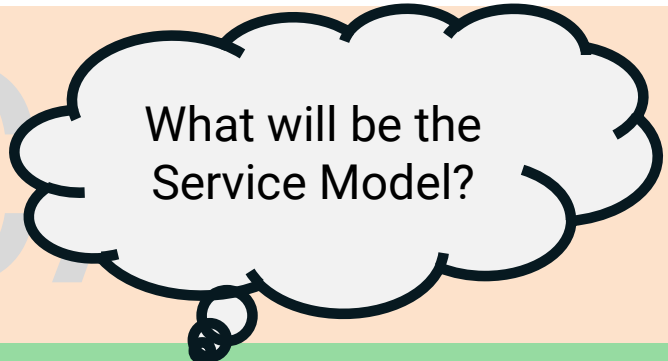


Technical changes to integrate LDACS?

# Questions from ANSPs on LDACS?

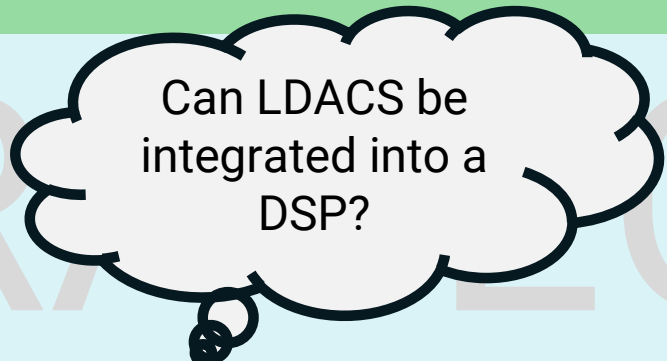


How much will LDACS cost for ANSPs



What will be the Service Model?

SERVICE



Can LDACS be integrated into a DSP?

# Questions from ANSPs on LDACS?

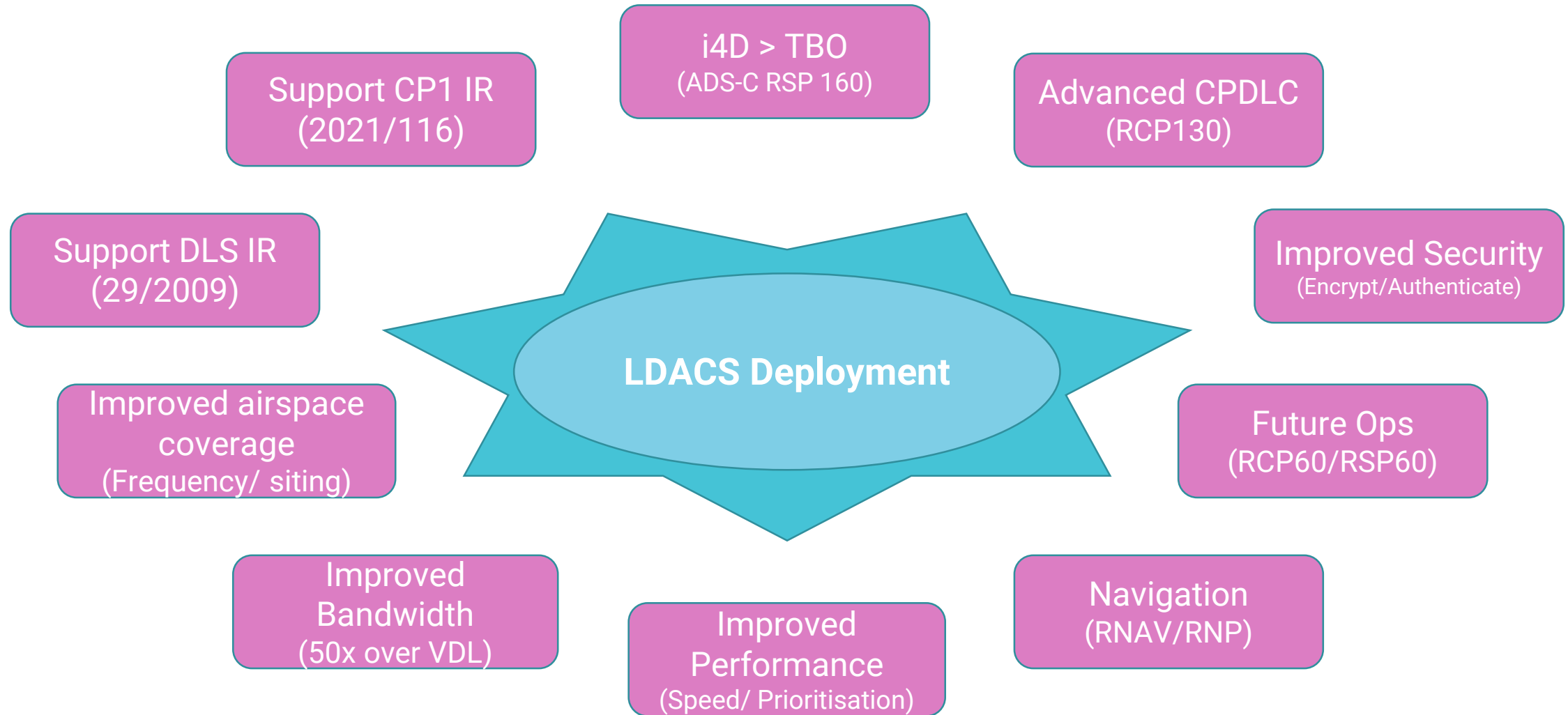
Timescales/challenges  
for transition to LDACS

What level of avionics  
equipage; timescales?

How does LDACS  
integrate into FCI  
framework?

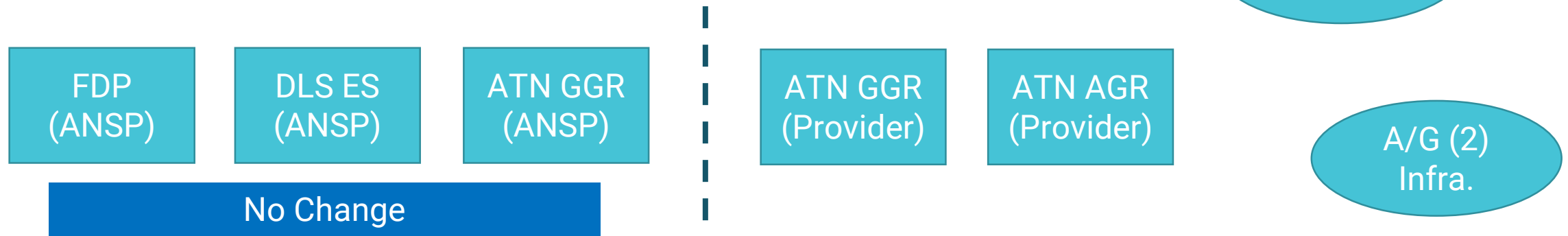
What can be done to  
accelerate the  
provision of LDACS?

STRATEGIC



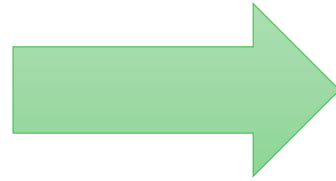
# Technical – Integration

- Seamless integration into existing ANSP datalink interfaces



- A/G Network Coverage – similar number of sites as VDL today for datalink coverage (similar station RF range)
- Possible re-use of ANSP technical sites for co-location (stronger relationship with ANSPs for operation)
- Deployment complements DME networks [Navigation function]

# Service– Cost / Service Model



## Service Model:

- Direct deployment / provision by ANSP
- Delivery / deployment through (current) CSPs
- Centralised deployment / provision (e.g. DSP)



## Cost:

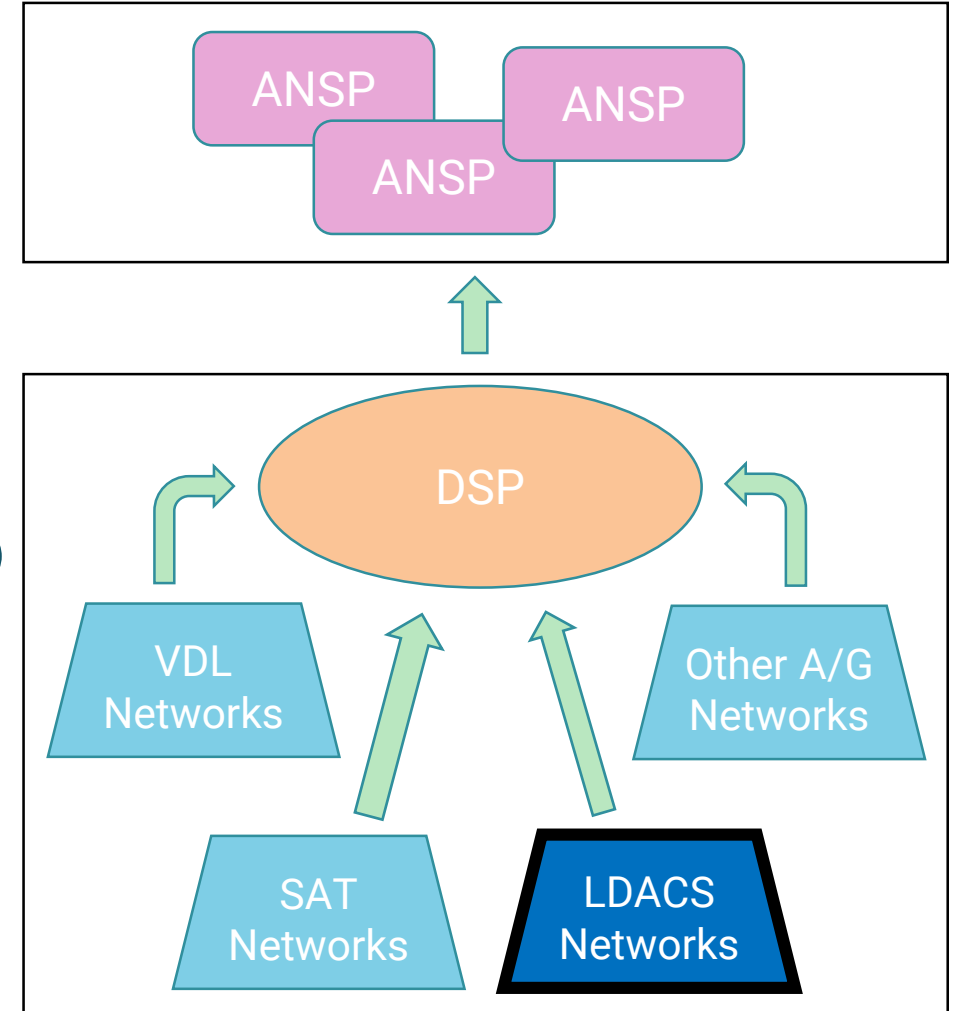
- Part of FCI Business Case
- Dependent on implementation option– likely to be delta through existing DLS contract
- Needs focus on initial deployment cost (organic transition or build first and switch)



# Service – Preferred option > through DSP

## Benefits to LDACS Deployment / Service:

- Harmonised certified DLS deployment / service
- Harmonised procurement and transition for users
- Minimised service cost – efficient deployment
- Integration of LDACS service into User Pays Principle (UPP)
- Shared deployment cost
- Simplified end-to-end service validation- Central test platform

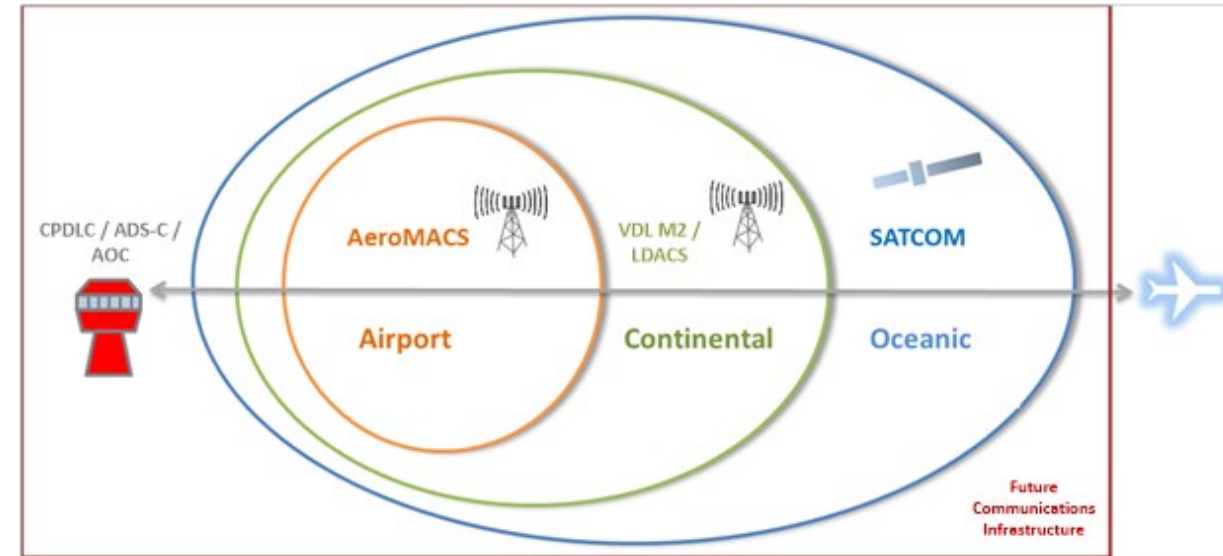


# Strategic – Transition

## ANSP points of interest:

- Need for roadmap which aligns airborne equipage and ground adoption
- Plan to stimulate airborne equipage in order to realise operational benefits
- LDACS to be seamlessly integrated into Multilink concepts
- LDACS to be seamlessly integrated into future Service Model
- Note alignment between LDACS and DSP planning (DSP 2023>2025 ; LDACS 20278 ATMMP)

- Mature LDACS transition planning
- LDACS into FCI



# Thank you

Questions Please?



***NATS***