

SatCOM for Aviation



Satellite Communication (SatCOM)

A webinar series on a new aviation communication system



SatCOM maturity and deployment
28th of March 2022, 16.00-18.00



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Introduction



Considering the need to improve financial and operational efficiency of ATM, including green benefits, a huge interest on ATM digitalization is raising in the Aviation community. Its implementation requires to be supported by CNS innovation and, in this context, **DLS is recognized as one of the Communication pillars**

DLS is composed by Applications/Services (e.g., ATN-B1 and ATS B2), Protocols (e.g., ATN/OSI and ATN/IPS) and Technologies (e.g., VDL M2). **Technologies and protocols play a relevant role in the sustainability/innovation of the current DL system allowing to maintain and improve performances, to implement new application/services and to reach global interoperability**



Among the new terrestrial and space-based technologies, **SatCOM deserves special attention** because questions related to its short, medium and long-term deployment are popping up in the ATM community



It has to be noted that **SatCOM is only one of the future deployment among other technologies**. A series of awareness webinars on this topic have been organised to support any potential decisions on its implementation



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Summary of previous modules



Overall context

Following the previous webinars organised on aviation communication technologies (e.g. LDACS), these webinars are focussing on SatCOM technologies that are largely used by aviation to support CNS safety related services



Series of Webinars

25.01.22



1. SatCOM for aviation the stakeholders' perspective

A general introduction to aviation satellite services including R&D activities

16.02.22



2. IRIS SatCOM a system designed for aviation

An overview of the Iris system, its motivations and benefits, with the point of view of the avionics manufacturers

28.03.22



3. SatCOM maturity and Deployment

An overview of the technology maturity, pre-commercial flights, airlines perspective and certification aspects

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Panel Members & Moderator



Panel members

- Benoit Jaurand (INM)
Sylvie Sureda Perez (INM)
- Armin Schlereth (DFS)
- Kieran Murphy (Easyjet)
- Ivan Ferencz (EASA)



Moderator

- Davide Corinaldesi (SDM)

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Agenda



AGENDA

1. Introduction (SDM)
2. IRIS from pre-commercial flights to deployment (INM)
3. ANSPs operational perspective (DFS/MUAC/NATS)
4. The airlines operational perspective (Easyjet)
5. Safety and Certification (EASA)
6. Q&A



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for your attention!***

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Q&A

