

EGNOS Service Provision Workshop 2024 (Safety Of Life for Aviation)

AirNav Ireland Presentation
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Presentation Agenda

- + *AirNav (Formerly IAA) history with ESSP, EUSPA and EGNOS*
- + *Implementation of the EGNOS Service Working Agreement (EWA)*
- + *Key benefits with an emphasis on SOL*
- + *Challenges/ Opportunities*
- + *Technologies and the added value they bring*
- + *Conclusions*

AirNav history with ESSP, EUSPA and EGNOS

2012-2024



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AirNav history with ESSP, EUSPA and EGNOS

- + EGNOS RIMS (Cork) since 2012
- + EUSPA Airspace Project utilising EGNOS for LPV Instrument Approach Procedures
- + EUSPA a driver for technology and benefits
- + ESSP: Pan-European Air Navigation **Service** Provider

AirNav history with ESSP, EUSPA and EGNOS

- + Service Provision with other ANSPs based on traditional Aviation/ATM-based methodologies and aligned Regulatory requirements
- + This very much includes Safety Of Life (SOL)
- + First experience of Technology outside our comfort zone
- + Points to the future Aviation Ecosystem and landscape

Implementation of the EGNOS Service Working Agreement (EWA)

Service Delivery



Implementation of the EGNOS Service Working Agreement (EWA)

- + What does outsourcing mean in Aviation terms?
- + Fair to say that EUSPA and ESSP a leader in this and continue to be in identifying opportunities for the EGNOS technology
- + Realisation of LPV 200 IAPs across Ireland
- + Point in Space (PinS) - a real game changer for SOL services
- + Very relevant to the Irish State given our geographical location and being an island
- + Reliability of the EGNOS system unparalleled
- + Future: Multi-constellation services?

Key benefits with an emphasis on SOL

Now and Future Aviation Landscape

Key benefits with an emphasis on SOL

- + Benefits already seen as in previous section
- + SAR and HEMS Seeking greater range of options in meeting their needs – Solutions such as EGNOS very much now part of the range of options
- + Future: U-Space/UTM Medical, Safety, Health & Safety and SOL (Top cover)
- + Reliance on the technology solutions delivery critical
- + EGNOS and example of bringing all aviation stakeholders along this journey



Challenges/ Opportunities

In a rapidly changing environment



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Challenges/ Opportunities

- + New Entrant Aviation Stakeholders: Space / UAM / AAM
- + Technology the key to meeting broader (aviation) stakeholder expectations
- + EGNOS already a good working example
- + **Challenge:** reaching a common baseline set of technologies and API to cater for aviation stakeholders that allows for multiple interfaces that are tailored to individual needs

Technologies and the added value they bring

Open-Source data



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Technologies and the added value they bring

- + ATM: Slow in incorporating change to tried and tested systems
- + The new world offers a wide range of new Open-source solutions
- + Rapidity of development for new aviation stakeholders serves to enhance the way ANSPs need to do business and embrace technologies
- + This all started with the likes of EGNOS

Conclusions

Best equipped - Best served?



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Conclusions

- + Best equipped-Best served?
- + Technology an enabler for the new aviation ecosystem
- + A range of SOL services need support
- + EGNOS a guide to how this can be integrated across multiple platforms





Thank you

Any Questions?

