



EUROPEAN AVIATION SAFETY AGENCY
AGENCE EUROPÉENNE DE LA SÉCURITÉ AÉRIENNE
EUROPÄISCHE AGENTUR FÜR FLUGSICHERHEIT

EASA Workshop

PBN Operations

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Conclusions

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➤ Objective

- Improve flight efficiency
- Enabling new concept of operations

➤ Proved benefits

- Safety (e.g. near VMC in IMC)
- capacity (e.g. 100 to 15 miles within a decade)
- environmental footprint (e.g. 3000 pounds of fuel saving in one oceanic crossing)



Considerations

- Bring together the puzzle
 - Complex Global and European (regional) environment
 - Total System Approach
 - Interaction between aviation domains
- Roles and Responsibilities
 - Partnership
- Levelling playfield
 - Competition for airspace /equity of access
 - Economic feasibility

Requirements

- Initial Airworthiness - requirements
 - PBN Navigation Specs
 - RNP AR
- Operator – requirements
 - Flight Crew training
 - Operational Procedures and documentation



Requirements (ctd)

- ATM requirements
 - Contingency
 - Navigation infrastructure
- Data Provision
 - LOA Type 1 and Type 2 databases
- PBN and Airports





► Alternatives to Operational Approval

Need for simple, consistent & clear set of procedures.

The relevant NPA - example for performance based rule making

► Future rules on Data Provision

► SESAR



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European Aviation Safety Agency
Thank you for your contribution!
Workshop on UBN Operations

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