Airbus Prosky

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Quality Assurance DOC 9906 Vol 1

Step 5: Apply Criteria Step 6: Document and Store

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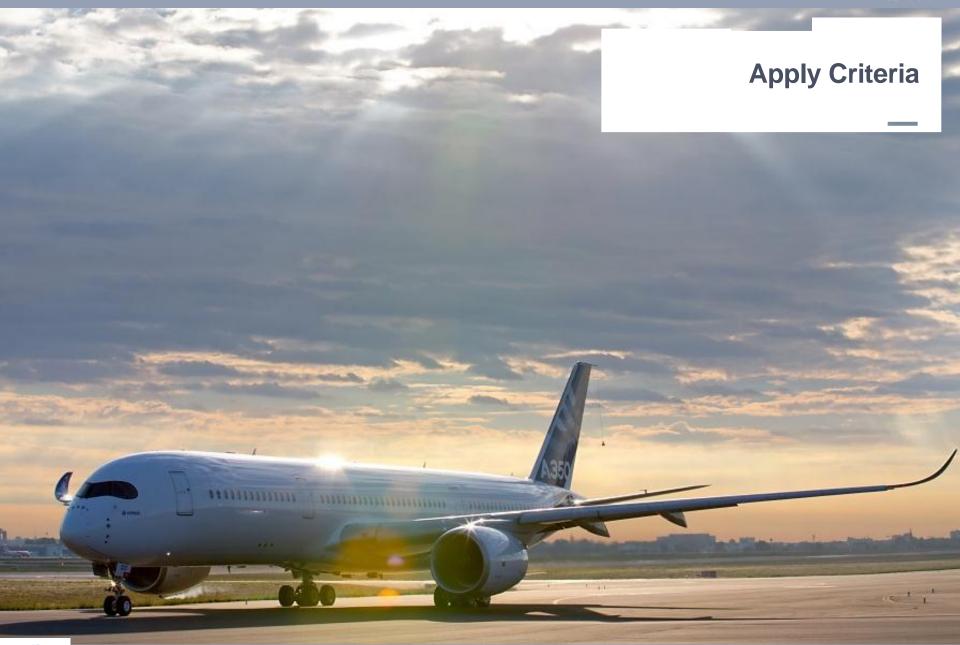


Step 5: Apply Criteria

Step 6: Document and Store

Conclusion







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Apply Criteria



- Once the relevant data have been collected and the draft IFP has been approved, the design activity can commence.
- An individual designer should be nominated as the responsible designer. Continued coordination with interested/affected stakeholders should be maintained throughout the design phase.
- ☐ International procedure design criteria are detailed in:
 - Doc 8168 (PANS-OPS) RNAV, RNP-APCH
 - Doc 9905 RNP AR Procedure Design Manual
- ☐ ICAO regularly reviews and amends these criteria.



Construction of Visual and

Apply Criteria



The Technical Report includes:

- Applicable design criteria
- Data sources and set of input data used for the design (airport, terrain, obstacles)
- All calculations details
- All design parameters used (speeds, bank angles, wind velocity, temperature, descent / climb gradients, height loss, obstacle assessment surface (OAS), etc.)
- Any deviation from selected criteria including justification and link to validation as required
- Full design rationale, construction details
- Design assumptions and constraints
- Document version and date
- Draft elements for publication including chart and coding table as applicable;
- Any other pertinent points of interest resulting from the FPD process, e.g. software tools used for the design, advantages and drawbacks of the assessed scenarios.

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Apply Criteria



☐ To enhance the integrity throughout the design process, the use of automated or semi-automated tools is recommended



The documentation should include a clear <u>statement of compliance with the State-approved criteria</u> together with detailed <u>notes on any deviations</u> and evidence of approval for each deviation. There should also be a record of each design review and sign-off.







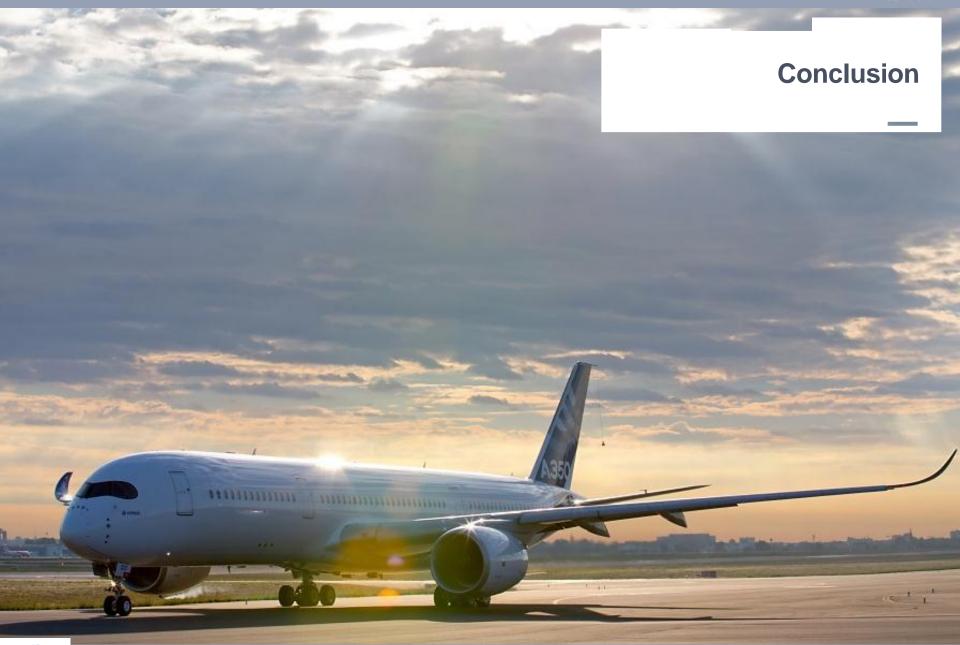
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Document and Store



- ☐ Traceability is the key element in the design of a new IFP. All assumptions made and methods used in the implementation of a new or modified FPD should be documented in a uniform manner and kept available at least during the lifetime of the IFP
 ☐ Provide documented details
- ☐ Integrity of data
- ☐ Digital archiving is better but not always simple. Each state to establish a method and process.
- As far as applicable, the archived data should remain available in a state permitting a repetition or validation of the process in a later stage.

It is the State's responsibility to define the minimum period of time during which this documentation must remain available







Conclusion



- ☐ Tasks and content of those two steps are clearly identified in the Doc 9906
- ☐ Detailed design output must be accessible, complete and properly documented and stored as they are inputs to the safety assessment and validation steps
- ☐ Also necessary for maintenance of IFP
- Role of State is limited to :
 - Providing information for designer request
 - Providing list of requirements and any specificities for the documentation and storage (already at Project Specification stage)
 - Define the minimum period of time during which this documentation must remain available



Quality Assurance Introduction



Any Questions?

