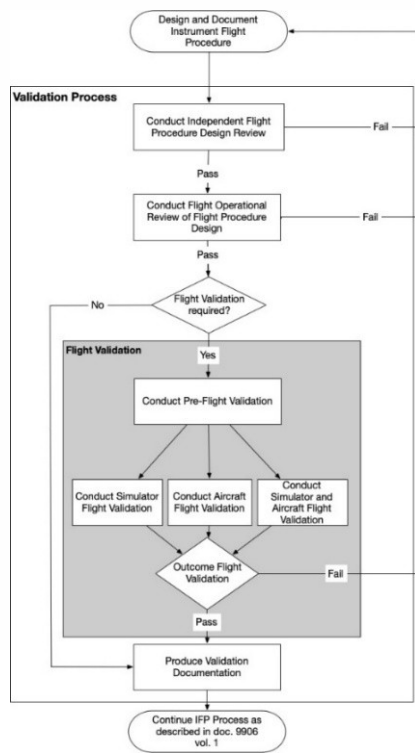


IFP Validation - guidance

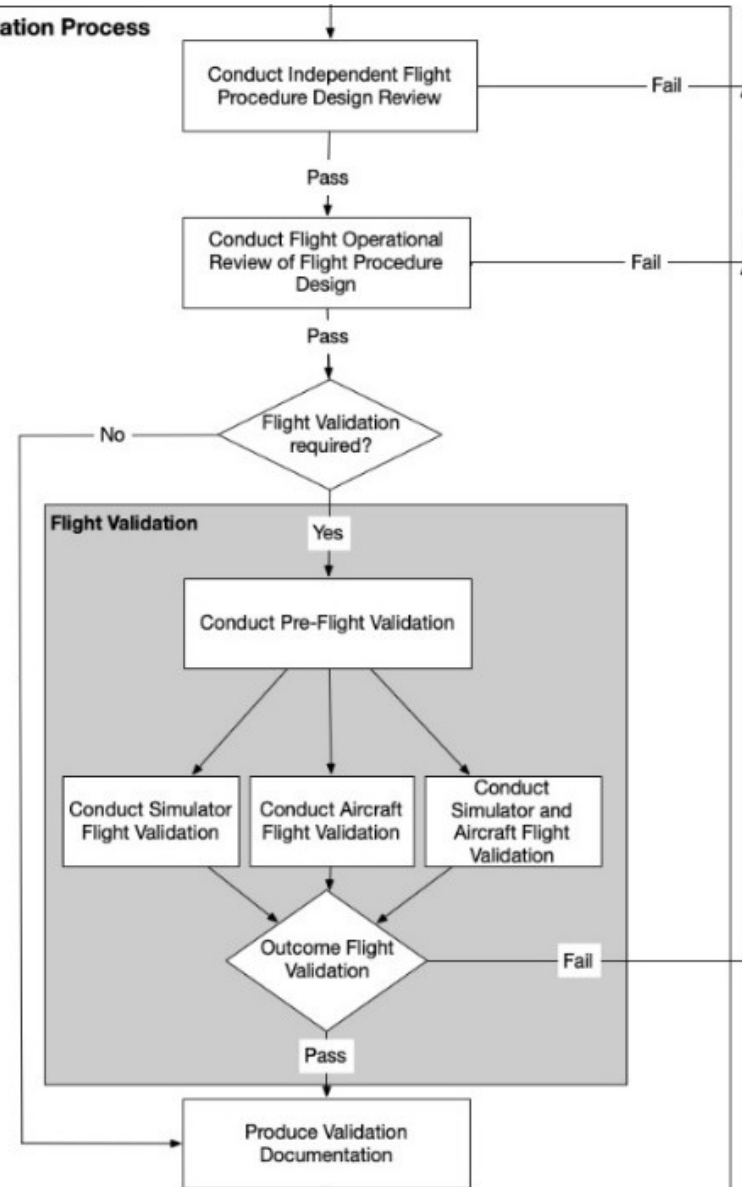
Real life examples

(in line with DOC 9906 vol 5)

ICAO DOC 9906



Validation Process



Detailed 9906 vol 5 ed. 2 explanation

See ICAO MID PBN SG/9

25

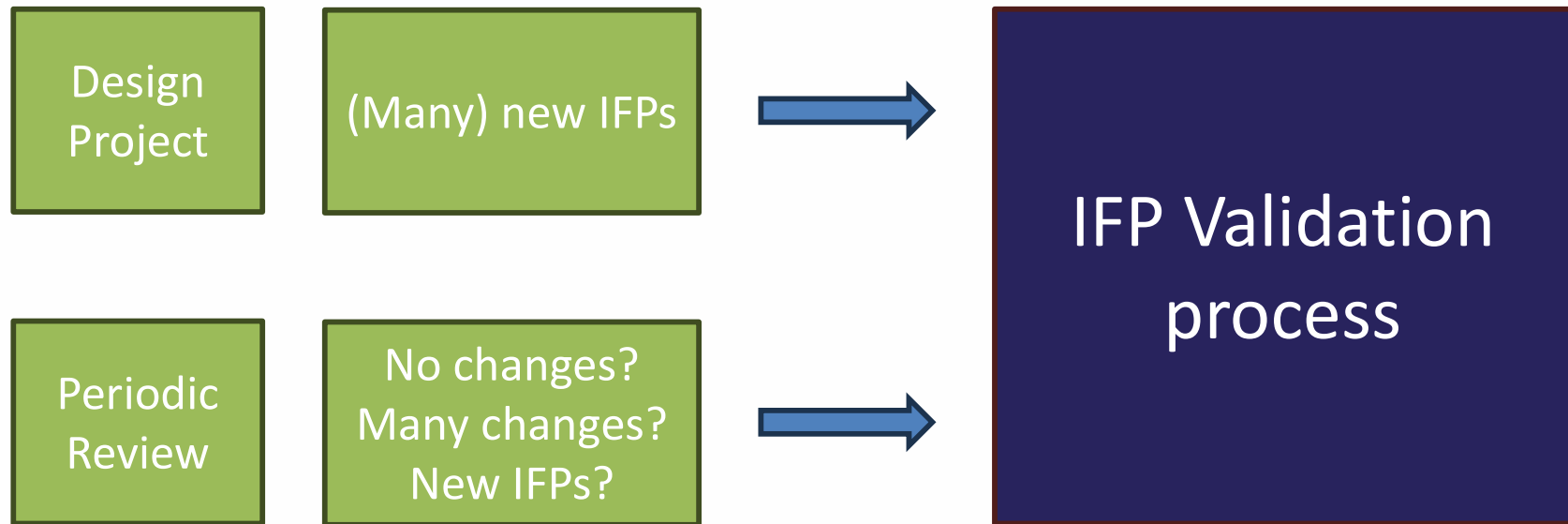
Smart Procedure Validation - PVS

EN

Recap IFP Validation options



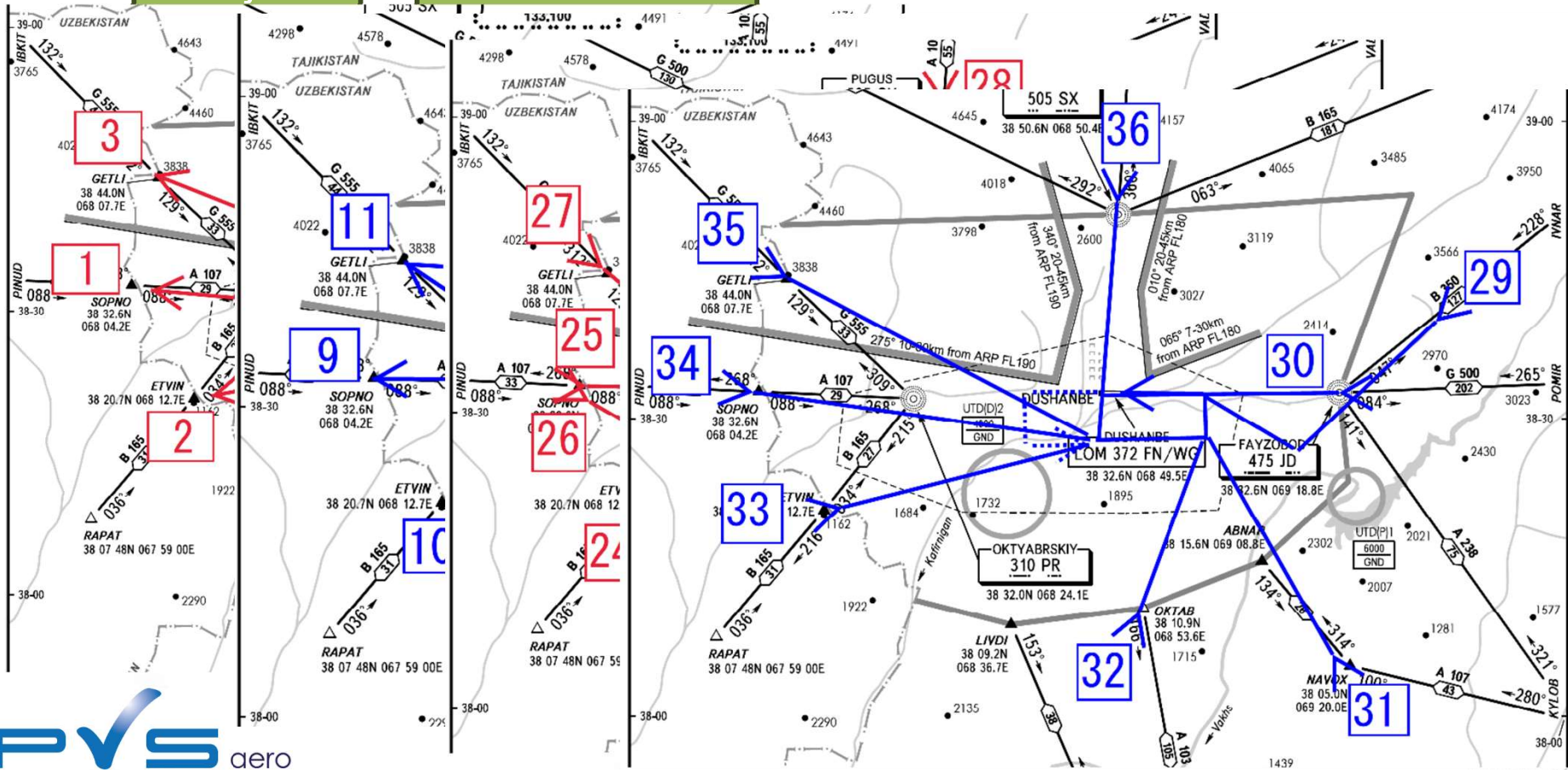
IFP Validation - Initiation



Design Project

(Many) new IFPs

Request Example



7-12-2025

flight safety

Simulator Requirements

- Required NAV sensors onboard
- Autopilot
- Flight Director
- FMS
- TAWS
- Adequate simulator type

Adequate Simulator Type

- ICAO DOC 9625 Table 2-1 FSTD Summary Matrix, the recommended device type is VII, which is equivalent to a FSTD FFS Level D (9906 vol 5 ed 2)
- Certified and quality checked

Would this be possible on a desktop simulator like MS FS, X-Plane, Prepar-3D, etc?

No

Example aeroplane SIM FV

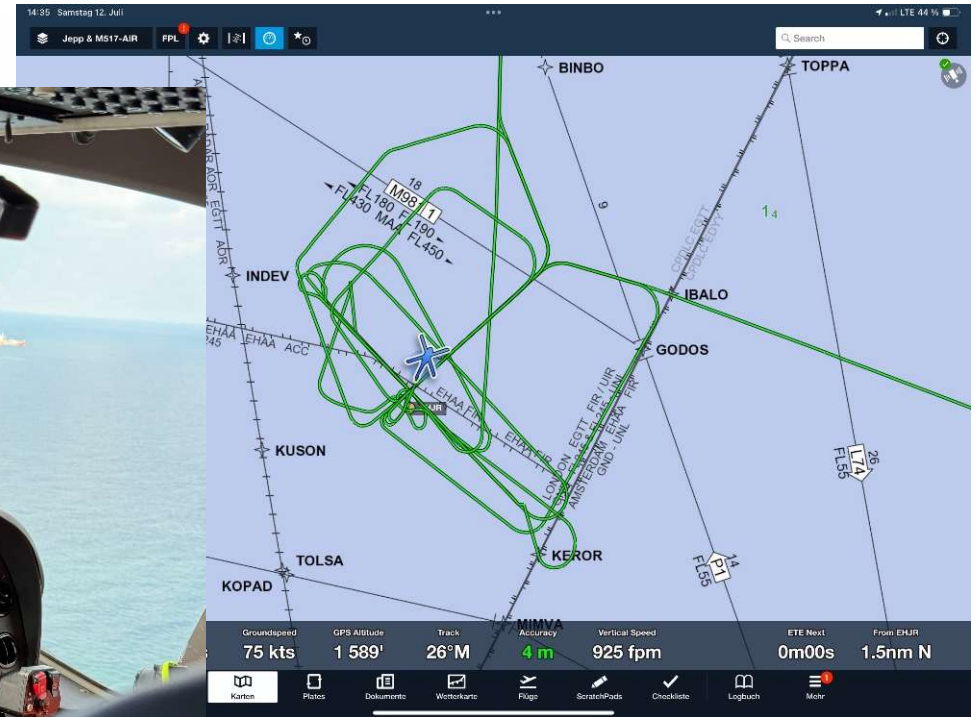


Aircraft Requirements

- Adequate performance
 - Required NAV sensors onboard
 - Autopilot
 - Flight Director
 - FMS
 - TAWS
- No Flight Inspection aircraft required
- Recording device may be portable device

What advantage does this bring?

Example rotorcraft AC FV (no FI aircraft)



FVP Requirements

- At least CPL IR rated
- (Not) Licensed on type (depending on vol 5 edition)
- Trained on IFP validation
- Proficient in IFP validation

Should the IFP validation be performed by the airline pilot(s) who flew you to your holiday destination?

Probably not

Periodic
Review

No changes?
Many changes?
New IFPs?

- Request example

(5 year required) Periodic Review normally performed throughout the year

- Batch/request provided amendments to 18 IFPs
 - Eg. MSA change, upto
 - LNAV/VNAV added to RNP with LNAV only

IFP Validation outcome

- Independent Review (18 IFPs)
- Flight Operational Review (18 IFPs)
 - 3 IFPs require Flight Validation
 - Recommendation for SIM FV with realistic aircraft type due to steeper approach to confirm energy management

| |
|---------------------------|
| Independent Review |
| Flight Operational Review |

Would this be possible in a long term “Flight Operational Review” contract?

YES

Summary

Design Project

- Validation (contract) as a project
- Validation Plan
- Flight Inspection Aircraft?

Periodic Review

- Validation (contract) as a framework
- FV could be required by Flight Operational Review

Pilot for IFP validation

- FVP = best practice



PVS as pathfinder for efficient and smart IFP validation

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