

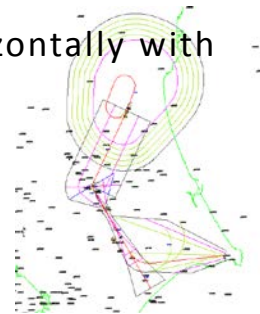


PANADES 3.0, the first major update to NTT DATA's Flight Procedure Design System is released in 2020.

PANADES 3.0 will include the following productivity enhancements:

1.Data management

- Extract procedure designs which conflict horizontally with Airspace/area/point.
- Extract related routes and FIX/WP•NAVAIDS.



2.Flight procedure design

- Multiple procedure design
- Horizontal/vertical assessment with Airspace
- Output detail information of segments and critical obstacles automatically
- Output kml format of segments, nominal track, airspace and obstacles

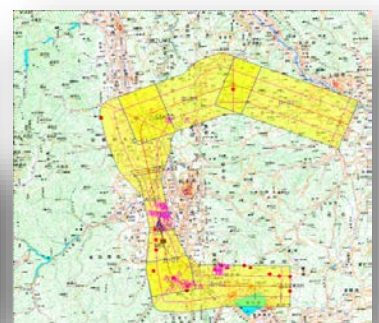
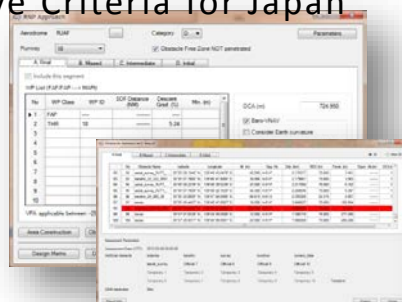


3.Data exchange with other tools

- Output the information needed for CRM assessment
- Export ARINC 424 Ver.20/21 format

■ PANADES3.0 is compliant with the following criteria:

- PANS-OPS (ICAO Doc 8168)
- RNP AR procedure design manual (ICAO Doc 9905)
- Quality Assurance Manual for Flight Procedure Design (ICAO Doc 9906)
- PBN manual (ICAO Doc 9613)
- En-route tentative Criteria for Japan



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