

ICAO WACAF Workshop

1st – 4th September 2015

**Quality Assurance
DOC 9906 Vol 1**

Step 2: Data Collection



Initiation



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Tasks

Roles and outputs

Conclusion

Tasks



Data collection objectives



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The designer must collect the following data from recognized sources, validate for accuracy, resolution, integrity, reference geodetic datum and effective dates, and incorporate them into the design documentation:

- terrain data: electronic raster and/or vector data or paper cartographic maps;
- obstacle data: man-made and natural with their coordinates and elevation;
- aerodrome/heliport data, e.g. ARP/HRP and runway(s) with their coordinates and elevation, lighting, magnetic variation and rate of change, weather statistics, altimeter source;
- aeronautical data: airspace structure, classifications (controlled, uncontrolled, Class A, B, C, D, E, F, G, name of controlling agency), airways/air routes, altimeter transition altitudes/flight levels, neighbouring instrument procedures, area(s) of magnetic unreliability;
- navaid data: coordinates, elevation, service volume, frequency, identifier, magnetic variation; and
- existing significant points to local navigation.

Data collection items

User
requirements

Data /
Meta-data

Data quality
requirement

Data
acquisition

Data
Sources &
supplier
status

Data
Verification
&
Validation

Document-
ation

State Role and outputs



Data collection inputs and outputs



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Inputs

- All stakeholder requirements.
- Previous designs.
- Data from State recognized sources.
- All other data.

Outputs

- Preliminary work file containing summary of stakeholder requirements, summary of all data.

Role of State in Data collection



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Owners of this step:

- Designer
- ATM, AIS
- Stakeholders
- Data sources (e.g. surveyors, charting agencies, MET offices, etc.)

- State is responsible for AIP data

- State is expected to approve / evaluate newly collected data. It is preferred to assess compliance at this stage already.

Conclusion



Initiation



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Any Questions?

