

Area 1

SARPS₍₁₎

- Specifies data that is provided for the entire territory of the State.

Area 1 Terrain Numerical Requirements

3 arc seconds / 90m post spacing;

30m vertical accuracy;

1m vertical resolution;

50m horizontal accuracy;

90% confidence level;

1×10^{-3} integrity level (Routine);

To be maintained as required.

SARPS₍₂₎

- En-route obstacles within the State:
 - 100m AGL and higher.

Area 1 Obstacle Numerical Requirements

30m vertical accuracy;

1m vertical resolution;

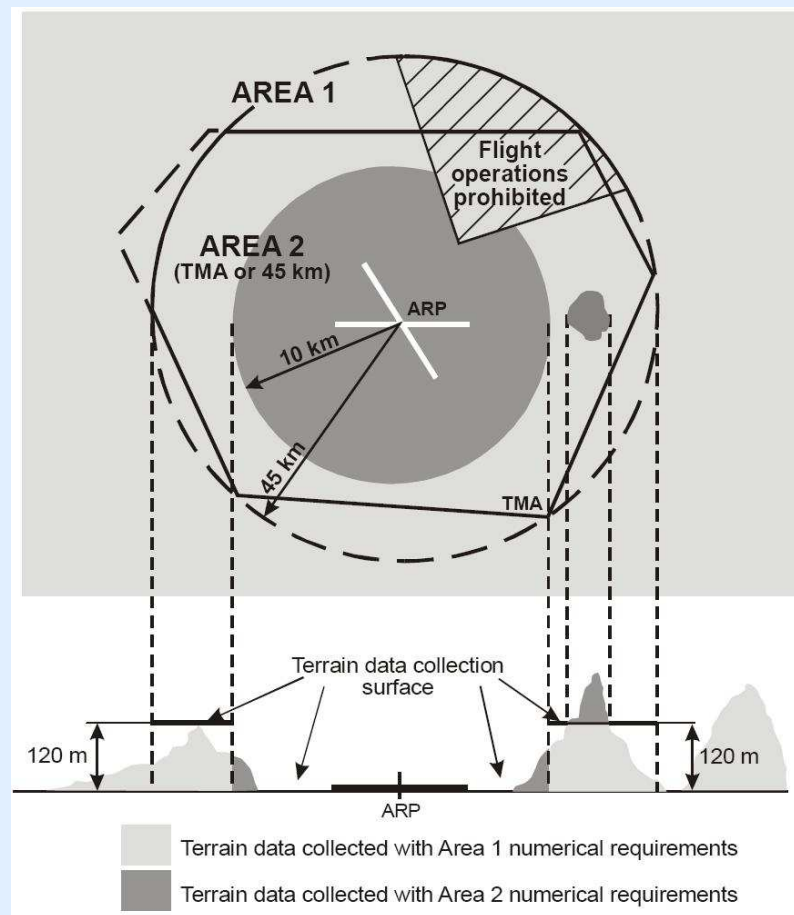
50m horizontal accuracy;

90% confidence level;

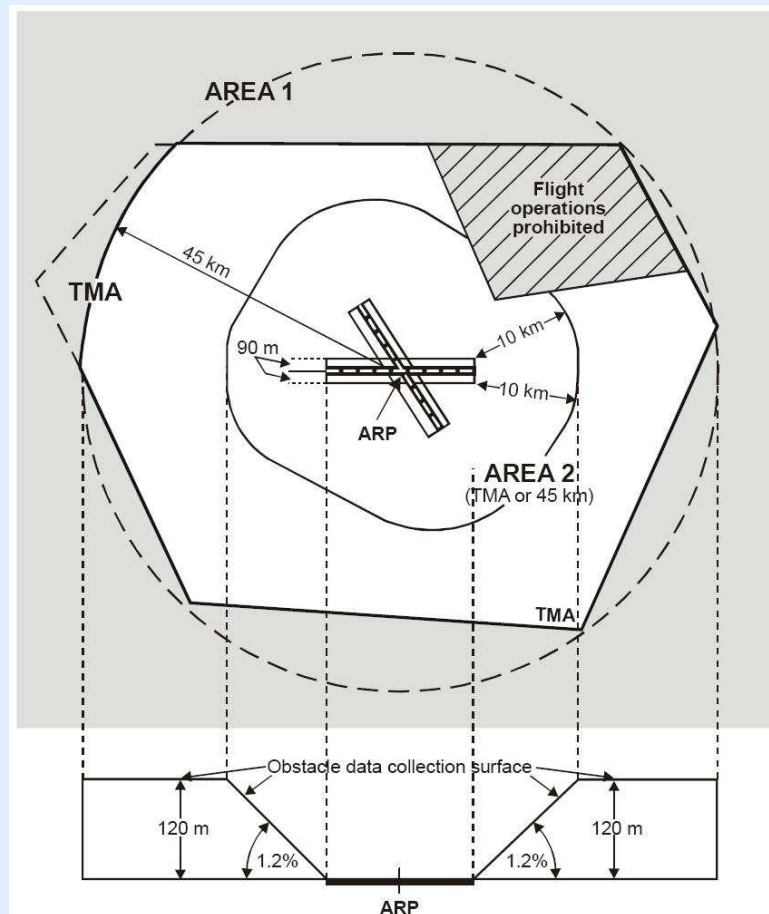
1×10^{-3} integrity level (Routine);

To be maintained as required.

Area 1 – Terrain Graphical Portrayal



Area 1 – Obstacle Graphical Portrayal



Findings of Research

- In general, the requirements specified for Area 1 were supported.
- Provides an electronic obstacle data set that matches the information existing in the AIP today.
- The terrain requirements are not overly onerous and support en-route applications:
 - MSAW, GPWS etc.

Proposals for Change

- For Area 1, no specific changes to ICAO SARPS have been proposed.
- However, it is recommended that States harmonise their civil and military requirements:
 - In Europe, this typically means en-route obstacles of 60m AGL or higher;
 - Will be included in the guidance being developed by EUROCONTROL.