

11 April 2014



Policy Statement

GENERATION, VERIFICATION AND VALIDATION OF AERONAUTICAL INFORMATION & DATA REFERENCED TO THE WGS84 ELLIPSOID CONTAINED IN AIRSPACE CHANGE AND/OR ICARD REQUESTS.

1. Scope

- 1.1 This process is intended to clarify the roles and responsibilities of individuals and organisations involved in the generation, verification and validation of Latitude, Longitude, Bearings and distances referenced to the WGS84 ellipsoid.
- 1.2 The requirement for Aeronautical Information & Data referenced to the WGS84 ellipsoid arising from either:
 - a. The Formal Airspace Change Process (see [CAP 725](#)), or other Airspace Change that does not require the formal process is progressing towards the later stages and the need has been identified by the sponsor and agreed by the nominated CAA Case officer. And/or
 - b. A Significant Point Name Code (5LNC) is required and the proximity check (as detailed in [the CAA Policy Statement](#)) has been carried out using [ICARD](#).

2. Responsibilities

- 2.1 The Change Sponsor shall identify, generate and supply verified data, first for validation and subsequently for AIP promulgation.
- 2.2 The Regulator shall validate and approve the new data.
- 2.3 NATS AIS shall store data and publish data to agreed standards at the agreed AIRAC Cycle.

3. Actions

3.1 Change Sponsor – Generation and Verification of New Aeronautical Information & Data Referenced to the WGS84 ellipsoid.

- 3.1.1 The CAA spreadsheet template should be the primary vehicle for the submission of new WGS84 Lateral data. Instructions on completion and required resolutions are contained on the first worksheet.
- 3.1.2 The Change Sponsor arranges mathematical calculation and/or collation of the required new WGS84 lateral data by suitably qualified person or organisation and incorporates it into the spreadsheet.
- 3.1.3 As well as the final figures, accurate descriptions and parameters used in any calculations will be required as well as reference to the software tools used. Details of any subsequent impact on other Areas and Routes should also be referenced.

Please Note:

- The data should be supplied to the highest level of precision available, without rounding.
- No attempt should be made to apply magnetic variation by the change sponsor.
- The minimum resolution for coordinates, distances and bearings are detailed within the spreadsheet.

3.1.4 When calculations are complete, return the spreadsheet along with any other supporting documents/evidence to airspace@caa.co.uk where it will be passed onto the relevant case officer.

3.2 Regulator - Validation and Approval of New Aeronautical Information & Data Referenced to the WGS84 ellipsoid.

3.2.1 The relevant case officer will ensure the content of the spreadsheet is validated by a suitably qualified employee who will conclude via mathematical and/or graphical means that the data is either:

- **Not yet validated** – supplied lateral information is not fit for purpose in its current format and highlight area/s that require attention or clarification. The spreadsheet will be digitally signed and returned to the CAA case officer. The CAA case officer should then inform the change sponsor of the need for further action, returning the spreadsheet which contains the relevant detail. Or
- **Validated/Approved**– The supplied lateral information is fit for purpose. The spreadsheet will be digitally signed and returned to the CAA case officer. The CAA case officer should then inform the change sponsor that the data has been validated and return the spreadsheet to them.

3.3 Change Sponsor – Submit AIP Change Request

3.3.1 The Change sponsor will be responsible for submitting the request, including reference to all affected sections of the UK AIP.

3.3.2 Evidence that CAA validation has been attained (the digitally signed spreadsheet) **must** be provided as an attachment with the request if it contains newly generated WGS84 Lateral Data. Furthermore, evidence of approval from the relevant CAA case officer will be required if the change relates to:

- Instrument Flight Procedures
- Controlled Airspace Dimensions and/or Classification
- Runway Dimensions and/or Declared Distances
- RFF Categories

3.4 NATS AIS – Promulgate Information

3.4.1 Upon receipt of the AIP Change request, the data should have the magnetic variation applied and/or be rounded to meet agreed publication standards where applicable. Any issues with the request should be pushed back to the change sponsor.

4. SARG Point of Contact

4.1 Any questions regarding the above process should be sent to airspace@caa.co.uk