

NAT CMA

North Atlantic Central Monitoring Agency

www.NATCMA.com

Operational Events

- The NAT CMA collects, analyses, classifies and records operational events reported from across the North Atlantic region to assess the level of system risk against ICAO specified Target Levels of Safety.
- These events include lateral and vertical deviations from cleared flight level, ATC interventions to prevent deviations from clearance, losses of separation in all dimensions, and errors involving time and speed.
- Such data is scrutinised twice per year by a group made up of ANSPs, mathematicians and pilot/operator representatives. The data provides a resource from which other ICAO Groups, State Regulators, ANSPs and user organisations can obtain detailed data to inform their day to day activities and work studies and contributes towards the ongoing safety performance within the region.

Regional Monitoring Agency

The NAT CMA is the designated Regional Monitoring Agency (RMA) for the NAT Region and was the first of thirteen such agencies across the world which serve their ICAO Regional Planning Groups. It fulfils the normal ICAO requirements for RMAs, including RVSM System Performance Monitoring (per ICAO Doc 9574). This work involves:

- Recording and verification of RVSM approvals for aircraft registered in Bermuda, Iceland, Ireland, Norway and Portugal. The CMA RVSM database currently holds records of 1800 aircraft contributing to the global database of 47000 aircraft
- Monitoring of aircraft technical height-keeping performance to ensure compliance with the minimum performance standard.
- Evaluation of the stability of altimetry system errors (ASE).

Monitoring of Aircraft Technical Height-keeping Performance

- Aircraft are monitored by the Strumble HMU, a ground based height monitoring unit located in the south of Wales, UK.
- Strumble HMU is well placed to capture traffic heading into, or coming from, the North Atlantic, inbound and outbound of Heathrow and traffic operating between Southern England/Europe and Ireland.
- Available 24/7, subject to maintenance, with availability indicated on our website [NATCMA.COM](https://www.natcma.com) and on the Strumble phone line: **+44 (0)1292 692760**.
- Full monitoring requirements can be found on our website.

Evaluation of ASE

- The Strumble data is extracted twice weekly on our behalf by the NATS Analytics department and the ASE calculated, taking into consideration elements, such as weather, which could impact the outcome.
- We analyse the data for any areas of concern, with particular interest to all ASE results that are showing as $\geq 200\text{ft}$.
- Any ASE results of concern are sent to the appropriate State Regulator or responsible RMA, who in turn contact the operator.
- We do work with some operators who regularly fly over Strumble to provide the ASE results for their fleets directly to them.

Individual Requests

- State Regulators for the countries which the CMA has responsibility, or Operators of aircraft registered in one of the States, can contact us to request ASE Monitoring results, preferably using the form on our website.
- Requests from other Operators or State Regulators should be made through the appropriate RMA. If you are in any doubt, please do contact us and we will happily guide you through the process.
- Although we make every effort to fulfil all requests as quickly as possible, the Strumble data is only downloaded on a Monday and Friday. If you request results very soon after the flight, you may have to wait until the following Monday or Friday before we have the data available.

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Please visit our website for -

- Recommended flight procedures for Strumble HMU
- Height Monitoring Request Form
- Strumble Serviceability Indicator
- More information about NAT CMA Operational Performance and RVSM Approval Monitoring