European Union Aviation Safety Agency

FAQ n.44270

FAQs:

ADS-B certification

Question:

What does the Continuity requirement imply and how is Continuity calculated?

Answer:

‘Continuity’ means the probability that a system will perform its required function without unscheduled interruption (e.g. system failure).

In practice, the Continuity of the ADS-B out system should be assessed with common industry methods. In particular:

- The assessment should encompass all equipment contributing to the ADS-B function and not just the transponder.
- The reliability of each component contributing to the function (e.g. transponder, control panels, position and velocity source) has to be considered,
- The probability of failure of the power source failure has to be considered,
- Common modes have to be considered.

In case of multiple sources or systems, a temporary indicated loss allowing the pilot to switch from one source or ADS-B system to the other is acceptable and not considered as a continuity event.

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Link:

https://www.easa.europa.eu/en/faq/44270