

Implementation and Integration

What hardware or software updates are required to equip my GA aircraft with ADS-L?

Answer

It is expected that a wide variety of devices, including portable and installed systems, as well as mobile applications, will support ADS-L. Software or firmware updates will also be available for many existing conspicuity devices to add ADS-L capabilities. You may contact your vendor to determine the best solution for your aircraft and needs.

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15/05/2025

Link:

<https://www.easa.europa.eu/en/faq/141895>

Can ADS-L be integrated with popular cockpit traffic awareness apps or portable receivers (e.g., moving map solutions)?

Answer

Yes, ADS-L is designed to be easily integrated by existing systems once upgraded. Support for traffic display on moving maps and other situational awareness applications is expected, enhancing the overall safety and efficiency of flight operations. The integration of ADS-L with existing systems will enable pilots to have a more comprehensive and accurate picture of the airspace, improving situational awareness and reducing the risk of collisions.

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<https://www.easa.europa.eu/en/faq/141896>

If my aircraft already has FLARM or a Mode S transponder, is ADS-L still beneficial?

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Answer

Yes, ADS-L is beneficial even if your aircraft is already equipped with FLARM or a Mode S transponder. Alongside existing protocols such as FLARM, ADS-L provides a unified language that can be received by a maximum number of systems, enhancing situational awareness and safety. The use of ADS-L can also facilitate the integration of other systems and technologies.

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<https://www.easa.europa.eu/en/faq/141897>

Are there any cost advantages to ADS-L compared to installing a full ADS-B solution?**Answer**

ADS-L and ADS-B do not fulfil the same uses and have different intended uses. The use of low-power, low-cost, non-certified devices and the potential for software or firmware updates to existing systems make ADS-L an attractive solution for general aviation and other aircraft, possibly alongside other existing protocols or certified surveillance solutions.

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<https://www.easa.europa.eu/en/faq/141898>

How can I ensure my aircraft's ADS-L system meets EASA standards and any local CAA requirements?**Answer**

ADS-L increases situational awareness by enabling more aircraft to see and be seen by other ADS-L aircraft. This is particularly useful in busy airspace.

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<https://www.easa.europa.eu/en/faq/141899>

