expeditionary Joint Precision Approach Landing System (eJPALS)

RAPID DEPLOYMENT, ADVANCED CAPABILITIES

Providing precision landing, surveillance and navigation in a reduced footprint

Collins Aerospace's expeditionary Joint Precision Approach Landing System (eJPALS) is a strategic asset in today's dynamic battlefield.

More compact than ship-based JPALS it enables rapid deployment and full functionality within just 90 minutes.

This ground-based eJPALS solution offers Line-of-Sight (LoS) navigation akin to TACAN, covering distances of up to 200 nautical miles. As a precision approach and landing system, eJPALS facilitates multiple simultaneous approach paths and touchdown options for different aircraft types within a 20 nautical mile radius of its location. Moreover, it offers an optional surveillance feature to support Air Traffic Control.

Collins land-based eJPALS and ship-based JPALS systems complement each other seamlessly, working in conjunction with the JPALS airborne software and providing pilots with familiar instrumentation.

KEY FEATURES & BENEFITS

- 90-minute operational readiness
- LoS navigation up to 200 NM
- Autoland capabilities within 3 KM at 20 cm accuracy
- Surveillance option
- Provides precision landing guidance to any surface within 20 NM of its location
- M-Code capable

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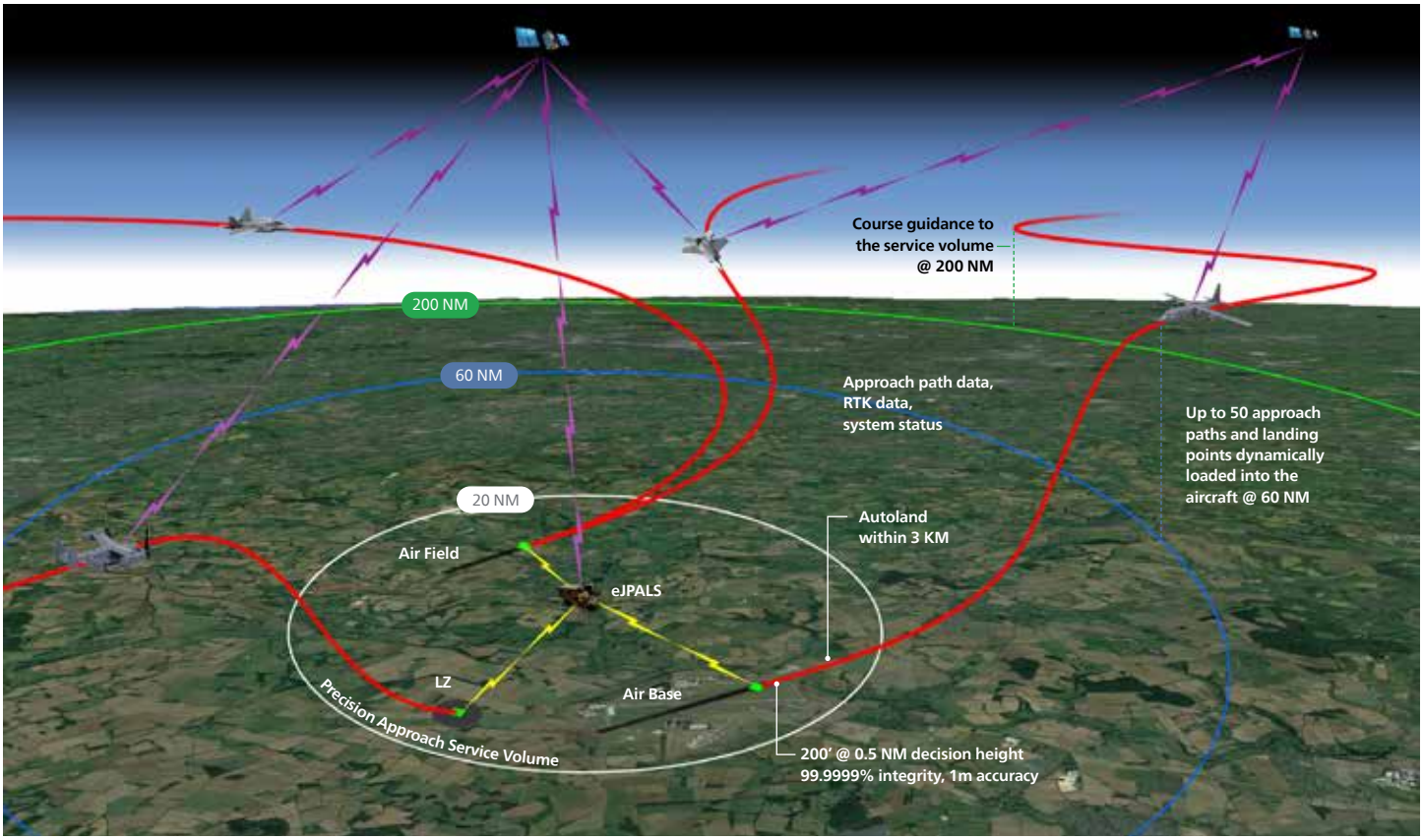


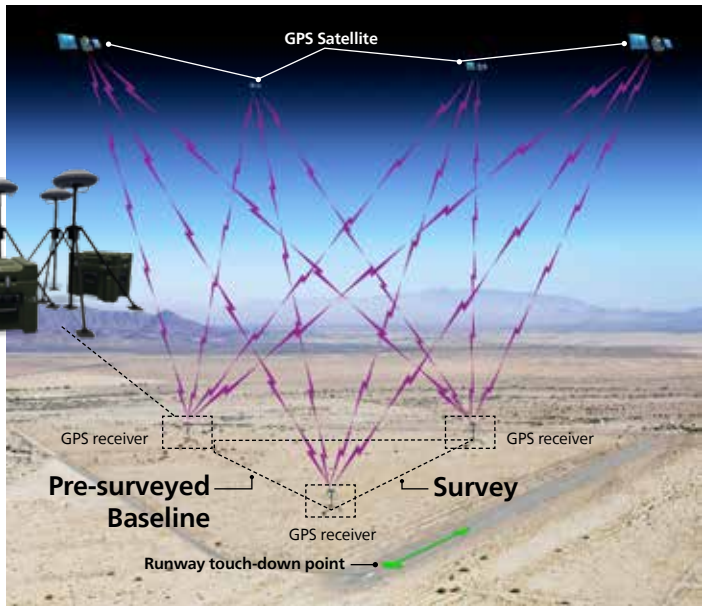
ADDITIONAL CAPABILITIES

Collins' eJPALS offers the capability for multiple aircraft type to use various approach paths and landing points within a 20 nautical mile radius of its installed location. It can guide aircraft to a 200-foot decision height at half a nautical mile from any touchdown point with a remarkable 99.9999% integrity and centimeter-level accuracy.

To ensure 90-minute operational readiness, Collins developed the Fast Automatic Survey Tool (FAST) for eJPALS. FAST swiftly determines the relative vector between the GPS antenna phase centers with an accuracy of 2 cm.

Today, eJPALS supports all variants of the F-35 JSF and the MQ-25A Stingray unmanned aircraft, both of which also benefit from JPALS' ship navigation and precision landing capabilities.

Given the operational deployment of the Joint Strike Fighter (JSF) program with multiple allies, integrating eJPALS enhances seamless joint and multinational coalition interoperability.



Specifications subject to change without notice.

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