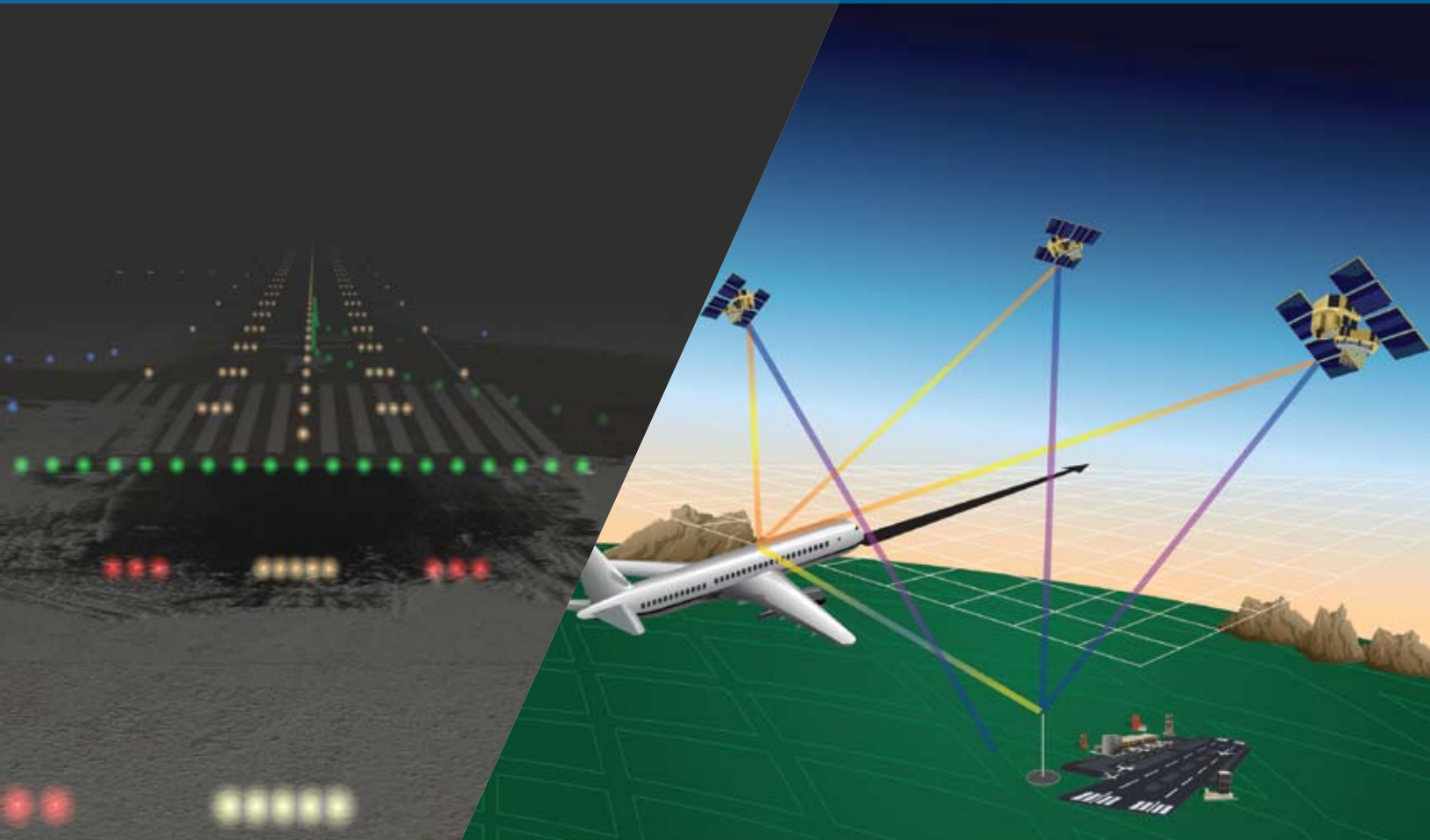


Rockwell Collins GLU-920 Fuel Saving Upgrades



GLU-920 upgrades enhance fuel savings by allowing access to preferred airspace and supporting more economical aircraft routing.

Rockwell Collins now offers a full range of GLU-920 upgrades to assist in tailoring your product to meet tomorrow's needs while reducing operational costs related to fuel. Our GLU-920 service bulletins include capabilities for complying with airspace management thereby allowing for more flexible and economical aircraft routing. These benefits translate directly into reduced fuel consumption for your aircraft.

Functional upgrade options for your GLU-920 include:

GPS Selective Availability Off (S/A = Off): S/A = Off functionality increases required navigation performance (RNP) accuracy and availability levels and is compliant with all known ADS-B requirements. S/A = Off also supports RNP SAAAR system capabilities for more economical aircraft routing and improved runway access during adverse weather conditions.

GPS Landing System (GLS): GLS-capable aircraft leverage airports equipped with Ground-based Augmentation System (GBAS) to support CAT I landings in locations not equipped with ILS capabilities. Like ILS, the GLS function supports continuous descent approaches which allows for reduced fuel consumption and noise emissions when compared to conventional non-precision approaches.

KEY BENEFITS

- › Significant fuel savings through more efficient aircraft routing and access to preferred airspace
- › Compliant with all known GPS-related ADS-B (Out) requirements
- › RNP Capability to 0.1 NM for departure, en route, arrivals and approach
- › Supports "green" environment initiatives by reducing noise emissions through GLS constant descent approaches (SB 503)
- › Allows use of runways with ILS or GPS landing systems (SB 503)

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SERVICE BULLETIN MATRIX

Rockwell Collins now offers multiple options for tailoring your GLU-920 to satisfy your aircraft's operational needs.

Feature	Service Bulletin		
	503	504	505
Adds Selective Availability Off Capability	X	X	X
Adds GPS Landing System (GLS) Capability	X		
Converts to GLU-925 Configuration	X	X	
Allows SW Upgrade Path to GLS Capability		X	

Certification of S/A=Off operations for Boeing are anticipated for the first quarter of 2009. GLS operations are currently certified for Boeing 737NG aircraft. Contact your Rockwell Collins sales representative for additional aircraft certification information pertaining to service bulletins 503, 504, and 505.

VALUE PROPOSITION

Adding SA=Off and GLS capabilities to your GLU-920 product allows for immediate operational savings through reduced aircraft fuel consumption. This results in a short-term payback after your service bulletin is installed.



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Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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