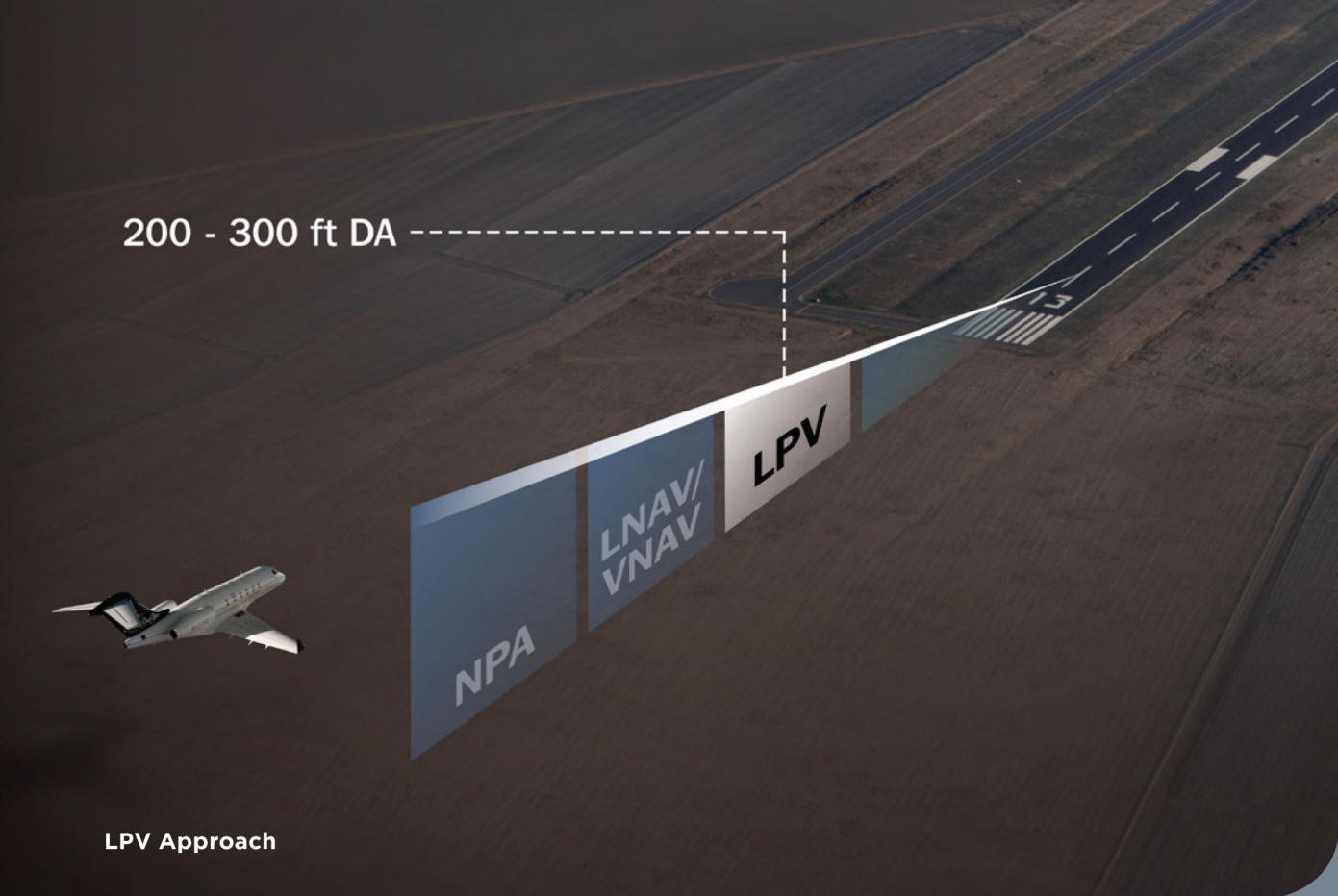


CHALLENGER 300 PRO LINE 21 ADVANCED AVIONICS PACKAGE

Bombardier* Customer Services will soon offer the Pro Line 21 Advanced avionics suite for your Challenger* 300 aircraft. This new upgrade features fully-integrated functions and technologies to further elevate situational awareness and operational efficiencies. The new avionics suite can be equipped for the future with LPV and other RNP approaches, and the groundbreaking MultiScan™ weather radar, the best radar technology currently available.

The new configuration, capabilities and features will significantly raise your aircraft value retention. And, as the Original Equipment Manufacturer (OEM), we are ready to provide unmatched technical training, faster access to parts, industry-leading services, and the overall assurance that you are working with the people who know your aircraft best.





Flight Management System Improvements

- **LPV Approach (Localizer performance with vertical guidance)**
 - Worldwide database memory size capability up to year 2025
 - Significant FMS database upload time reduction with new DBU-5010E
 - No batteries required within FMC
 - Fully supports new options RNP AR 0.3 and FANS 1/A (CPDLC & ADS-C)

Primary Flight Display (PFD) Improvements

- **PFD**
 - Wall-to-wall ADI display
 - Flight Path Vector for aircraft equipped with IRS (20408-UP)
 - Situational awareness and display ergonomic improvements

Integrated Flight Information System (IFIS) Enhancements

- **Multi-Function Display (MFD)**
 - Enhancements to eCharts display
 - Automatic depiction of airport charts upon landing
 - Reduced pilot workload through enhanced chart capabilities

Options

Enhancement XM Weather (optional)

- Enhancement to existing XM Option
 - Icing, Turbulence, Winds Aloft and Animated NEXRAD
 - Increased coverage: Canada & Puerto Rico

MultiScan Weather Radar (optional)

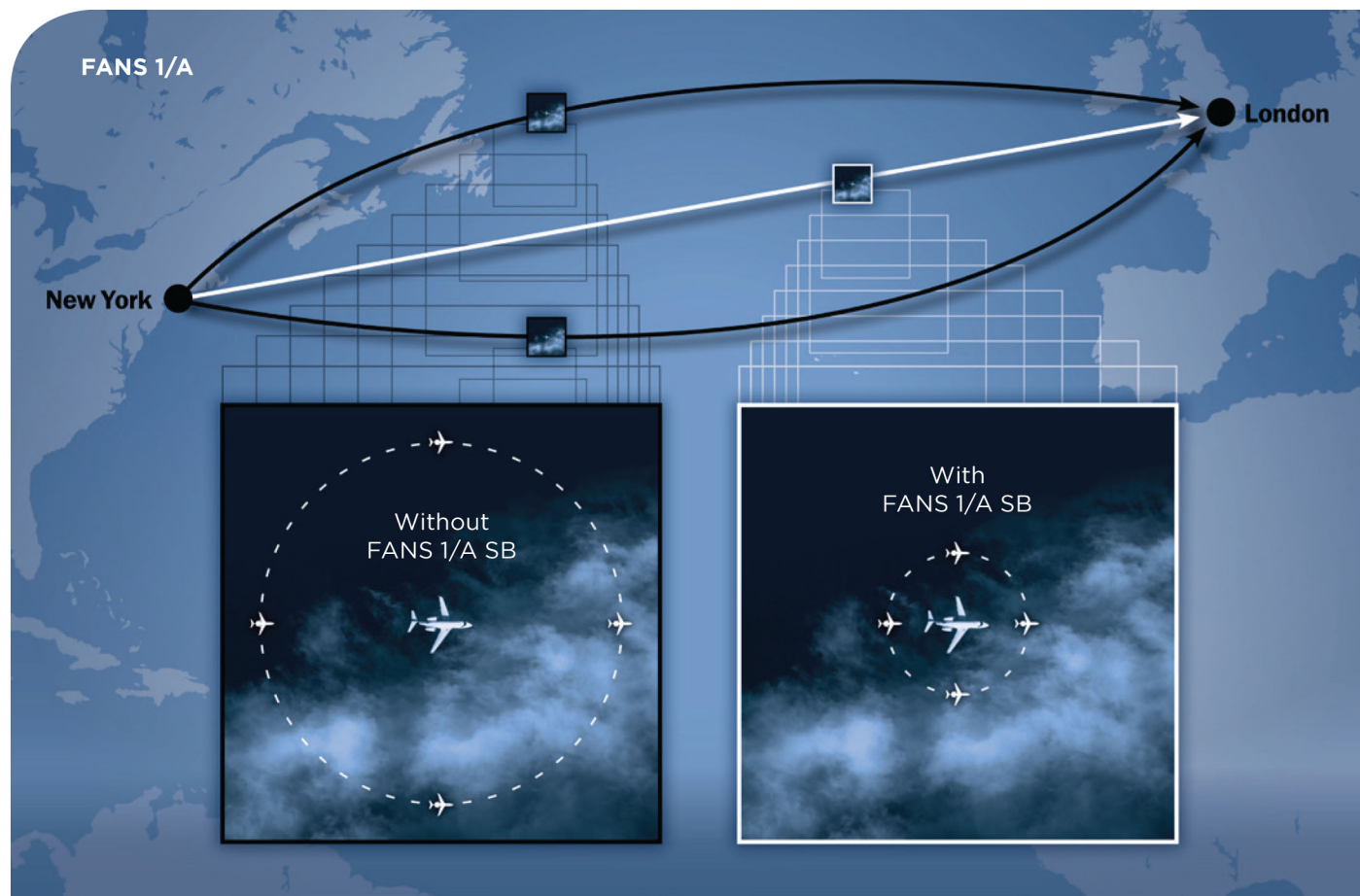
- Best weather radar in the industry
- More effective bad weather detection and avoidance
- Improved weather radar functionality with auto-tilt function, range of 320 NM
- Terrain clutter removal

Future Air Navigation System (FANS) 1/A (optional)

- Increased airspace capacity with reduced fuel burn and trip duration over oceanic and remote areas
- More efficient ATC-to-pilot communication in remote areas
 - Reduced separation between airplanes
 - Access to upcoming RNP 4 dedicated routes
 - No altitude loss when crossing to other aircraft tracks

Inmarsat based FANS 1/A SB includes 1 SBB Channel (432 Kbps) for cabin Internet and a Wi-Fi router

[More options on next page >](#)





Options (continued)

RNP AR 0.3 (Required Navigation Performance Authorization Required) (optional)

- Shorter routes & fuel savings
- Efficiency of operations (faster landing clearance)
- Improved access to airports & airspace
 - Better access to terrain challenged airports and congested airspace

Synthetic Vision System (optional)

- Enhanced safety
- Increased awareness in all weather and normal flight conditions
- Increased awareness of airport location, runway environment and position (range, elevation, lateral and vertical)

Available service bulletins for Challenger 300 in-service aircraft as part of the Pro Line 21 Advanced package are:

- | | |
|---|---|
| • Avionics Block Update (FMC 6200, LPV & RNP Basic approaches, PFD & IFIS enhancements) | • MultiScan™ Weather Radar |
| • Synthetic Vision System (SVS) | • FANS 1/A+ (CPDLC & ADS-C) over Inmarsat |
| | • RNP AR 0.3 |

Contact your Regional Manager today to see how we can help you.
customerservices.aero.bombardier.com