Bombardier Business Aircraft is offering the Pro Line 21 Advanced avionics suite* for your Challenger 605 aircraft. This new upgrade will feature 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. We are ready to provide unmatched pilot and 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
  - No batteries required within FMC
  - Fully supports new options RNP AR 0.3 and FANS 1/A (CPDLC and ADS-C)

**Primary Flight Display (PFD) Improvements**

- **PFD**
  - Expanded wall to wall ADI display
  - 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 and 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
- One Inmarsat channel will be reserved for FANS/Safety Services, the remaining system will be available to support cabin connectivity.
- Available through either Inmarsat Satcom 2200 provisions, or Iridium Satcom ICS-220A provisions and FANS 1/A+ activation.

Automatic Dependent Surveillance - Broadcast (ADS-B Out, DO-260B compliant) (optional)

More options on next page >
**Options (continued)**

**RNP AR 0.3 (Required Navigation Performance Authorization Required) (optional)**
- Shorter routes and fuel savings
- Efficiency of operations (faster landing clearance)
- Improved access to airports and airspace
  - Better access to difficult to reach 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)

**Smart Runway and Smart Landing (optional)**
- Increased situational awareness during taxi, take-off, approach and landing
- Aural and visual alerts supplement the flight crew awareness of aircraft configuration and position

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Potential service bulletins for Challenger 605 in-service aircraft as part of the Pro Line 21 Advanced package would be:

- Avionics Block Update (FMC-6200, LPV and RNP Basic approaches, PFD and IFIS enhancements)
- Synthetic Vision System (SVS)
- MultiScan\™ Weather Radar
- Smart Runway and Smart Landing
- FANS 1/A (CPDLC and ADS-C)
- RNP AR 0.3
- Automatic Dependent Surveillance - Broadcast (ADS-B Out, DO-260B compliant)

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Contact your Regional Manager today to see how we can help you.

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