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### AVIATION SERVICE DOCUMENT NOTIFICATION

**TO:** Garmin G1000 NXi-equipped Embraer EMB-500 Phenom 100 and EMB-505 Phenom 300 Owners and Operators

**DATE:** August 17, 2020

**SUBJECT:** G1000 NXi System Software Version 3643.03 For Embraer EMB-500 Phenom 100 and EMB-505 Phenom 300 Aircraft

**CERTIFICATION AUTHORIZATION:** STC SA01933WI

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### COMPLIANCE

**MANDATORY:** Compliance with the STC service bulletin is mandatory at the next 100-hour/annual inspection, not to exceed 6 months.

### PURPOSE

This Service Bulletin announces the approval of G1000 NXi System Software Version 3643.03 in Embraer EMB-500 Phenom 100 and EMB-505 Phenom 300 aircraft.

G1000 NXi System Software Version 3643.03 provides the following enhancements:

- Phenom 100
  - Corrects the EDM (Emergency Descent Mode) annunciation color from red to green
  - Enables the CVR (Cockpit Voice Recorder) erase function
  - Enables the CVR failure indication
  - Enables the FDR (Flight Data Recorder) failure indication
  - Enables the cabin altitude high driven automatic thrust reserve inhibit
- Phenom 300
  - Corrects issue with the VENTRAL RUD FAIL advisory CAS message displaying after engine start
  - Enables the CVR (Cockpit Voice Recorder) erase function
  - Enables the CVR failure indication
  - Enables the FDR 1 (Flight Data Recorder) failure indication
  - Enables the FDR 2 (Flight Data Recorder) failure indication
  - Enables the cabin altitude high driven automatic thrust reserve inhibit

### PRODUCTS AFFECTED

G1000 NXi-equipped Embraer EMB-500 Phenom 100 aircraft with system software version 3643.00 or 3643.01 installed under STC SA01933WI are affected.

G1000 NXi-equipped Embraer EMB-505 Phenom 300 aircraft with system software version 3643.01 installed under STC SA01933WI are also affected.

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