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SIL4500-07 Revision A
SN4500 Primary Navigation Display Service Information Letter

Date: 16-NOV-2008

Regarding: SN4500 1.05 Software Release

Reason

Availability of new SN4500 Software

Applicability

Applies to Sandel part number SN4500-xxx

Description

Changes to Operational Mode

- Added annunciators for GPS selected approach type.
- Moved position of GPS "INTEG" annunciator.
- Increased NAV database memory size to support larger number of airports in world wide database.
- Changed operation when installed as Heading Repeater. See Heading Repeater below.
- Added digital display for brightness level.
- Added Option for TACAN NAV receiver selection.

Heading Repeater

Applicability

SN4500 installed as a heading repeater (no direct fluxgate connection) and interfaced with a Directional Gyro (DG) that "Flags Invalid" when operated in "Free Gyro Mode".

Description

When the DG is placed into "Free Gyro Mode" (allowing manual slewing of the gyro compass heading) some DG's change their Valid Flag output signal from "Valid" to "Not Valid". When the SN4500 (with software version prior to 1.05) senses this signal in the "Not Valid" state, by design, the SN4500 will stop displaying the

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compass rose until the Gyro Valid Flag signal transitions back to the "Valid" state.

SN4500 software version 1.05 supports continuous display of the compass rose in amber when the DG Valid Flag becomes "Not Valid". The compass rose will not be removed from the display.

Installations that apply this service bulletin will also require a revision to the Aircraft Flight Manual Supplement (AFMS). Refer to the SN4500 Navigation Display Installation Manual Document 82009-IM Revision C for suggested AFMS language.

The SIL 4500-07 related files including the software update, software load utility and instructions can be accessed on the Sandel website at:

www.sandel.com/SN4500_EHSI_sup_sb.php [case-sensitive]

or you can contact Sandel Product Support at (760)727-4900 selection "2"

Compliance

Recommended

Warranty

None

Documentation

82009-PG Rev. C Pilot's Guide
82009-PGSUP Rev. A Pilots Guide Supplement
82009-IM Rev. C Installation Manual