

## **SIL 4500-11 Service Information Letter SN4500 Primary Navigation Display**

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Date: 20-September-2012  
Regarding: SN4500 Primary Navigation Display, Software Release 2.05  
SIL Revision: B – Availability of software version 2.05  
A – Initial release (software version 2.04)

### **Reason**

Supersedes revision A of this SIL due to the availability of software version 2.05

### **Applicability**

Applies to Sandel part number SN4500-xxx and SN4500-xxxx

### **Description**

#### New Features:

- Adds LNAV roll steering capability without external adapters or wiring changes. Uses GPS/FMS Label 121. With appropriate GPS/FMS will fly procedure turns and holding patterns. See Pilot's Guide revision F.  
NOTE: Requires key code for use – please contact Sales.

#### Improvements

- Improved external brightness control operation.
- Improved card stabilization from fluxgate from inverter failure when using ARINC 407 (XYZ) DG and internal slaving.
- Improved electrical resolution of ARINC 407 bootstrap compass output to improve operation in helicopters using this output for yaw damper. No effect on existing installations.
- Added support for multi-channel DME.
- Improved display of reversionary attitude when using external AHRS.
- Added installer option for display of heading bug in white.
- Added installer option to remove pilot selection of auto-slew off.
- Added installer option for DME source when using XYZ TACAN interface.
- Modified installer options for configuration module read/write operation.
- Improved fluxgate operation at high latitudes.
- Added installer option for recording of flight data.
- Added installer option for remote OBS input.
- Added installer option for alternate glide slope and localizer symbology.
- Added installer option for display of center vertical deviation indicator.

SIL 4500-11 related files including the software update, software load utility and instructions can be accessed on the Sandel website at:

[http://www.sandel.com/SN4500\\_sup\\_sw\\_download.php](http://www.sandel.com/SN4500_sup_sw_download.php) [case-sensitive]

- or -

Contact Sandel Product Support at (760) 727-4900 selection '2'

**Note:** Immediately following a field software update, the unit must be powered back on in maintenance mode and an 'SN4500 to CM' operation be performed.

## **Compliance**

Optional

## **Warranty Reimbursement**

None

## **Manpower**

1 hour

## **Approval**

This modification does not affect the original approval. Contact Sandel for details if needed.

## **Identification**

No change

## **Testing**

None

## **Documentation**

82009-IM Rev. I Installation Manual

82009-PG Rev. F Pilot's Guide

**END**