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United Kingdom

Supplement to Cessna 421
STC Number SA01815LA

FAA APPROVED
AIRPLANE FLIGHT MANUAL SUPPLEMENT
FOR SANDEL AVIONICS SN3500
Electronic horizontal Situation Indicator (EHSI)
WHEN INSTALLED IN
SOCATA TB20GT
Serial No. [REDACTED] Reg. No. [REDACTED]

This supplement must be attached to the FAA approved Airplane Flight Manual when the airplane is modified by the installation of a Sandel Avionics SN3500 EHSI in accordance with STC No. SA01815LA.

The information contained herein supplements or supersedes the basic manual only in those areas listed herein. For limitations, procedures, and performance information not contained in this supplement, consult the appropriate basic Airplane Flight Manual.



LOG OF PAGES

REV	PAGE NO.	PAGE DATE	DESCRIPTION	FAA APPROVED
Orig.	Title	12/27/2010	Original Issue	<hr/> Date _____
	Log (i)	12/27/2010		
	Contents(ii)	12/27/2010		
	1	12/27/2010		
	2	12/27/2010		



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SECTION I - GENERAL

The Sandel Avionics SN3500 Electronic Horizontal Situation Indicator (EHSI) is a compact three-inch instrument that performs the functions of a traditional Horizontal Situation Indicator combined with a two-pointer RMI. The SN3500 EHSI also displays a moving map, Stormscope® data, marker beacon and GPS annunciators if the aircraft is appropriately equipped and configured.

SECTION II LIMITATIONS

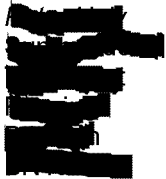
1. The system must utilize software version 1.02 or later FAA approved version.
2. The SN3500 EHSI Pilots Guide, SPN 82005-PG-B (or applicable revision corresponding to the software version) must be immediately available to the flight crew.
3. The “CRC Self Test Failed” message must not appear on power-up if flight operations are predicated on the use of the SN3500 EHSI.

SECTION III EMERGENCY PROCEDURES

If the SN3500 EHSI fails to operate, use the magnetic compass as a heading source.

If the remote directional gyro (DG) becomes inoperative, the heading display will flag. Use the magnetic compass as a heading source.

If the “FCS FDBCK ERR” message appears when in autopilot coupled NAV or APPR mode, immediately monitor the lateral and vertical deviation indicators. If they are not tracking properly, immediately disable the autopilot and flight director NAV or APPR mode for the duration of the flight. HDG mode may still be used if the autopilot tracks the SN3500 HDG bug properly.



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SECTION IV NORMAL PROCEDURES

The SN3500 NAV pushbutton selects the primary navigation source NAV1, NAV2 or GPS1. The selected source will drive the HSI course pointer and the autopilot.

The SN3500 BRG pushbutton selects the bearing pointer 1 / 2 / Both. The 'M' pushbutton followed by the BRG pushbutton selects bearing pointer sources NAV1, NAV2 or GPS1.

Annunciation of all GPS modes is accomplished by messages on the GPS receiver as well as on-screen annunciation on the SN3500 EHSI.

Reversionary Attitude Mode when interfaced with either an SG102 AHARS or equivalent AHARS system is Activated and Deactivated through an externally installed switch (Reference 82005-PG, Rev J SN3500 Pilot's Guide).

The circuit breaker for the SN3500EHSI is located on the circuit breaker panel labeled "HSI".

Refer to the SN3500 EHSI Pilot's Guide for other procedures, errors messages and alerts.

SECTION V PERFORMANCE DATA

No Change to AFM

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