

AFIS CONFIGURATION MODULE PROGRAMMING

THE AFIS CONFIGURATION MODULE MUST BE PROGRAMMED INITIALLY ON THE FIRST AFIS START-UP. THE PROCEDURE IS AS FOLLOWS:

- PULL THE AFIS CB. CONNECT THE DMU TEST PORT (J102) TO THE DIAGNOSTIC COMPUTERS SERIAL PORT WITH THE TEST HARNESS IDENTIFIED BELOW. THE DIAGNOSTIC COMPUTER NEEDS TO BE RUNNING PROCOMM PLUS FOR DOS OR WINDOWS (WITH THE CAPS LOCK DOWN) TO PROGRAM THE AFIS CONFIGURATION MODULE. TO MATCH THE DMU TEST PORT CHARACTERISTICS, PROCOMM PLUS MUST BE EMULATING A TV1925 TERMINAL WITH A BAUD RATE OF 9600 BAUD, NO PARITY, EIGHT (8) DATA BITS AND ONE (1) STOP BIT.
- PUSH IN THE AFIS CB. WAIT FOR THE PROMPT "CMD?(ON=AFIS)" AND TYPE "ON". PRESS ENTER. WAIT FOR "CMD?" TO APPEAR ON THE BOTTOM OF THE SCREEN. TYPE "CM" ON THE DIAGNOSTIC COMPUTER. PRESS ENTER. THE 'CONFIGURATION MODULE MENU' PAGE, SHOWN BELOW, SHOULD APPEAR.

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DMU PROCESSOR TEST PORT COMMANDS

ST          Exec self-test          SR Rtns self-test results
CNF        Returns configuration data  S7 Returns Software PN
TSTCNF     Tests configuration module  CM Config Module Menu
D aaaa     Dsp mem from hes addr aaaa SCI Sat.Aero-C Information
V aaaa dddd Wr data dddd to addr aaaa
FL dddd aaaa c Fill from addr aaaa with data dddd. c words
R10 aaaa   Input I/O word from port aaaa
W10 aaaa dddd Output I/O word dddd to port aaaa
FF t s e   Dsp Fuel Flow status: type.scl. eng

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MODEM OR SATCOM BOARD TEST PORT COMMANDS

MD or SD sa aaaa   Dsp mem from hex addr aa aaaa
MRD               Rd discrete inputs
MwD              Write discrete outputs
MD1 or SD1 aa aaaa Dsp 1 mem word at hex addr aa aaaa
MW or SW aa aaaa dddd Wr data ddd to addr aa aaaa
VXMT xxx.yyy m    xxx(mhz).yyy(khz);m(mode 0=wrap.1=txnomod.2=txmod)
VFR0 xxx.yyy      Set VHF XCVR freq: xxx MHz. yyy KHZ
MSWP or SATSWP    Return Software P/N

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ON Terminal mode on          OFF Terminal mode off
CMD? <M=MENU>
    
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- TYPE "CM" AND PRESS [ENTER]. THIS WILL CAUSE THE CONFIGURATION MODULE MENU TO APPEAR AS SHOWN BELOW.

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CONFIGURATION MENU <9>

RDCMF      - Read Configuration Module.
DEFCMF     - Set Configuration Variable To Default Values.
PGMCMF    - Program Configuration Module Using Above Data.
CC nn      - Display allowed values of Configuration parameter *nn.
CC nn value - Change Configuration parameter *nn to value.

nn Parameter          nn Parameter
01 Tail number: - <24> 12 - Basic Operating Weight 12,700 <54>
02 - ID Code: GS <10> 13 - Features Flag:NO OFF/ON Reports <64>
03 - Flight Number: 0001 14 - 429 Port A: 429 Intf.
04 - Master Port: 1     15 - 429 Port B: 429 Intf.
05 - Port 1: GNS-1000/GNS-X 16 - 429 Port C: 429 Intf.
06 - Port 2: GNS-1000/GNS-X 17 - Auto RPT Config: Last State
07 - Port 3: GNS-1000/GNS-X 18 - Save PPL,MSGs,WX: No
08 - Separate Antenna (Y/N): Y 19 - Auto Weather: Last State
09 - Default Frequency U.S. Default <34> 20 - Satellite Comm: ARINC 741 <74>
10 - Auto Report Interval: 15 Min. 21 - Satellite Network: On <64>
11 - Aircraft Type: CE560X <44> 22 - Auto RPT on Ground: No
23 - VHF Network: Yes

CM - Prints this menu again.
M - Main Menu.
CMD? <M=MENU>
    
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- THE CONFIGURATION DATA MAY BE MANIPULATED THROUGH THE "AFIS CONFIGURATION MENU". TYPE CC, SPACE, AND THE NUMBER OF THE PARAMETER TO BE PROGRAMMED TO DISPLAY THE ALLOWED VALUES OF CONFIGURATION OPTIONS. TYPE CC, SPACE, THE NUMBER OF THE PARAMETER TO BE PROGRAMMED, SPACE, AND THE SELECTION OR VALUE YOU WISH AND PRESS [ENTER].
- WHEN COMPLETE, REVIEW THE NEW AFIS MODULE CONFIGURATION FOR THE PROPER OPTION SELECTIONS AND WHEN CONFIGURATION REVIEW IS COMPLETE, SEND THE INFORMATION TO THE CONFIGURATION MODULE BY TYPING "PGMCMF" INTO THE DIAGNOSTIC COMPUTER AND PRESSING [ENTER].
- WHEN FINISHED, EXIT PROCOMM PLUS. REMOVE POWER TO THE AFIS SYSTEM. DISCONNECT THE TEST HARNESS AND REPLACE THE COVER TO J102. CONFIGURATION COMPLETE.

NOTES:

- THIS DRAWING FILED IN CCD.
- ENTER TAIL NUMBER CODE FOR USE DURING FLIGHT TESTING AT CESSNA. CONTACT ENGINEERING, IF NECESSARY, TO OBTAIN ID CODE TO USE WHILE TESTING AT CESSNA. TO ENSURE PROPER BILLING, THIS PARAMETER MUST BE UPDATED WITH CUSTOMER TAIL NUMBER PRIOR TO AIRCRAFT DELIVERY.
- CHOOSE THE APPROPRIATE DEFAULT OPERATING FREQUENCY SELECTION BASED UPON THE PRIMARY AREA OF AIRCRAFT OPERATION.

OPTIONS
 US DEFAULT FREQUENCIES
 EUROPEAN DEFAULT FREQUENCIES
 AIR CANADA DEFAULT FREQUENCIES

- SELECT THE AIRCRAFT TYPE.

MODEL	ID CODE
550 BRAVO	5501
560 ENCORE	CE560
560XL XLS	CE560X

- SELECT THE BASIC OPERATING WEIGHT.

MODEL	B. O. W.
550 BRAVO	9,400
560 ENCORE	10,500
560XL XLS	12,700

- THIS CONFIGURATION MAY BE CHANGED BY THE CUSTOMER. APPROVED OPTIONS INCLUDE:

OPTION	DESCRIPTION
OFF/ON REPORTS	LOGGING TAKEOFF AND LANDING TIMES
OFF REPORT	LOGGING TAKEOFF TIMES
NO REPORTS	NO LOGGING OF TAKEOFF AND LANDING TIMES

- CHOOSE THE APPROPRIATE SATELLITE COM SELECTION.

OPTION	DESCRIPTION
NO	NO SATCOM INTERFACE INSTALLED
GWS	AFIS SATCOM DMU INTERFACE INSTALLED
741 SATCOM	AERO-I SATCOM INTERFACE INSTALLED

- CHOOSE THE APPROPRIATE SATELLITE NETWORK SELECTION.

OPTION	DESCRIPTION
LAST STATE, NO CHANGE	REMAINS IN LAST SELECTED STATE.
ON	SELECT IF USED WITH 'GWS' OR '741 SATCOM'
OFF	SELECT IF NOT EQUIPPED WITH SATCOM INTERFACE

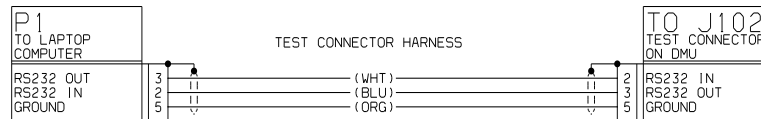
- EXAMPLE ILLUSTRATES A USA BASED CITATION XLS EQUIPPED WITH ARINC 741 SATCOM INTERFACE AND NO OFF/ON REPORTS SELECTED.

- SELECT THE ID CODE:

OPTION	DESCRIPTION
GS	SELECT IF USING GLOBAL DATA CENTER FOR TEXT DATA SERVICES
XA	SELECT IF USING ARINC FOR TEXT DATA SERVICES
UV	SELECT IF USING UNIVERSAL WEATHER FOR TEXT DATA SERVICES.

M24308/2-1 CONNECTOR (REF)
 M85049/48-2-1 BACKSHELL (REF)
 M24308/25-9 SCREW LOCK ASSY (REF)

M527473E10F35P CONNECTOR (REF)
 S3627-10 BACKSHELL (REF)



REVISIONS				
SHEET	REV	DESCRIPTION	DATE	APPROVED
GEN	A	REDRAWN WITH CHANGES: 1) COMPLETELY REDRAWN EFF: EC55783	2/17/05 CGS	
1	B	BY REVISION: 1) ADDED FLAGNOTE 10. EFF: EC56962	10/18/05 CGS	

DATE: 12/22/2004	CESSNA AIRCRAFT COMPANY AIRCRAFT DIVISION P.O. BOX 7704 WICHITA, KANSAS 67277
DRAWN: G. SCHWEIZER	8623237
GROUP:	AFIS SYSTEM CONFIGURATION
CHECK:	
SECT:	
PROJ:	
M.E.:	
OTHER:	
FABRICATE PER CSAM005	SIZE (FSOH NO. DWG NO.)
PROCESS PER XXXXXXXXXXXXX	F 71379 8623237
WIRE TERMINATION PER CS52716	SCALE: PARENT: 8623233 SHEET 1 OF 1

8623237