

**AN/ARC-231 (RT-1808A(C)/U MOD 4) Airborne Communications System  
Armed Reconnaissance Helicopter (ARH-70A) configuration**

CERTIFICATION DATES

(453)	(454)	(455)	689
-181B	-182A	-183	-CJCSI
04/21/05	04/21/05	04/21/05	05/12/08

SYSTEM CONFIGURATION

Airborne Communications System, ARH-70A configuration	...	AN/ARC-231(V)
Receiver-Transmitter	...	RT-1808A(C)/ARC-231(V)(C) MOD 4
Control Processor Software (CP-SW)	...	CTRL 02.62
Control Processor Hardware (CP-VHDL)	...	CPHW 04.00
Modem Orderwire Encryption Board (Modem OEB)	...	MOEB 02.00
Modem Digital Signal Processor (Modem DSP)	...	MDSP 05.19
Modem	...	Version 14.00
Shadowfire Baseband Processor Software (BP-SFIRE)	...	BPHW 05.62
SINGARS Baseband Processor Software (BP-SGARS)	...	BPHW 05.62
Baseband Processor Hardware (BP-VHDL)	...	BPHW 02.40
Baseband Processor Hardware (BP-HW)	...	* BPHW xx.xx
Fill Processor Software (FP-SW)	...	FPSW 03.04
Fill Processor Hardware (FP-VHDL)	...	FPHW 02.40
ANDVT Processor Software (AP-SW)	...	APSW 07.95
ANDVT Processor Hardware (AP-VHDL)	...	APHW 06.90
ANDVT Processor Hardware (AP-HW)	...	* APHW xx.xx
Fill Panel Control	...	C-12608/ARC-231(V)(C)
Control Indicator	...	C-12601/ARC-231(V)(C)
High Power Amplifier	...	AM-7565/ARC-231(V)(C)
Low Noise Amplifier	...	AM-7566/ARC-231(V)(C)
Common Avionics Architecture System (CAAS)		
Software Version	...	** CAAS 5.x
Avionics Management System (AMS) Equipment		
Control Display Unit (CDU), Part Number 822-1729-003	...	** CDU-7000
Multi-Function Display Unit (MFD), Part Number 82-1729-001	...	** MFD-268C3
Processor Switch Module (PSM), Part Number 82-1850-001	...	** PSM-8600

\* Raytheon hardware manufacturing uses these version numbers to track revisions on manufacturing parts lists. These version numbers will vary in fielded radios and have no effect on the installed software.

\*\* Indicates additions to the previously certification.