NWS: EHB-6, Modification Note 68
DoD: TO 31P1-4-108-604
FAA: EEM Modification Handbook 6345.1 CHG 34, Chap 31

RDA/RPG GATEWAY (UD70/170A12) RETROFIT

DOPPLER METEOROLOGICAL RADAR
WSR-88D

DoD Distribution Statement A - Approved for public release; distribution is unlimited.

PUBLISHED UNDER AUTHORITY OF THE SECRETARIES OF
COMMERCE, THE AIR FORCE, THE NAVY, AND TRANSPORTATION

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FAA APPROVAL

Digitally signed by George Francis
cn=George Francis, c=US
Date: 2002.10.04 13:34:16 -06'00'
Reason: FAA Signature Authority

_____**Date** _____

Richard A. Thoma
Acting Program Director
for Operational Support, AOS-1

NWS APPROVAL:

Signature Valid Mark Paese Digitally signed by Mark Paese
DN: cn=Mark Paese, o=NOAA/NWS, ou=W/OPS1, c=US
Date: 2002.10.09 16:30:26 -05'00'

_____**Date** _____

Mark S. Paese
Acting Chief, Maintenance, Logistics
and Acquisition Division

DoD APPROVAL:

BY ORDER OF THE SECRETARY OF THE AIR FORCE

MICHAEL E. RYAN, General, USAF
Chief of Staff

Signature Valid Ed Berkowitz Digitally signed by Ed Berkowitz
DN: cn=Ed Berkowitz, o=ROC, ou=Program Branch, c=US
Date: 2002.10.10 06:52:59 -06'00'

_____**Date** _____

Edward L. Berkowitz, Chief
Program Branch
Radar Operations Center
TOMA

1. SUBJECT

Radar Data Acquisition/Radar Product Generator RDA/RPG Gateway (UD70/170A12) Retrofit.

2. PURPOSE

To provide instructions for installing a new RDA/RPG Gateway (UD70/170A12). The new gateway will correct a firmware problem that causes wideband disconnects. The authority for this modification is Radar Operations Center (ROC) Engineering Change Proposal (ECP) F0171R1, ORPG TI Clocking Configuration Change.

For additional information concerning this document, contact the ROC Hotline, Norman, OK; phone number: (800) 643-3363 or (405) 366-2980 or by e-mail at NEXRAD.Hotline@noaa.gov. An electronic copy of this document can be found at the following Internet address:
www.roc.noaa.gov/ssb/sysdoc/techman/tmlinks.asp

3. SITES AFFECTED

See ATTACHMENT 2.

4. ESTIMATED COMPLETION DATE

This modification must be reported completed no later than 60 days after receipt of this document and kit.

5. EQUIPMENT AFFECTED

Radar Product Generator Group.

6. SPARES AFFECTED

Spares stock at the National Logistics Supply Center (NLSC) will have the new firmware installed.

7. MODIFICATION ACCOMPLISHED BY

Site electronics technicians will perform this modification. Two technicians are required to perform this action.

8. MATERIAL REQUIRED

Nomenclature	Part Number	NSN	Qty
RDA/RPG Gateway (UD70/170A12-301)	2300026-301	7025-01-492-4911	1
* RDA/RPG Gateway (UD70/170A12-307)	2300026-307	7025-01-492-4912	1
Federal Express Label	N/A	N/A	1

* Shipped to FAA redundant sites only

9. SOURCE OF MATERIALS

Kits are requisitioned by the ROC Retrofit Management Team and shipped at no cost to the sites. FAA redundant sites will receive both RDA/RPG Gateways, part numbers 2300026-301 and 2300026-307.

Ship the old RDA/RPG Gateways (UD70/170A12) to the NRC as soon as possible. The old RDA/RPG Gateways will be modified and returned to stock. This new stock will then be shipped out to the remaining sites to complete this modification.

10. SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED

Not applicable.

11. TIME AND PERSONNEL REQUIRED

Work Phases	Work-hours
Unpacking	0.1
Disassembly	0.2
Installation	0.2
Assembly	0.0
Operational Check	0.1
Total Work-hours	0.6

12. DOCUMENTS AFFECTED

Not applicable.

13. VERIFICATION STATEMENT

This modification was successfully installed at WFO Columbia, SC.

14. DISPOSITION OF REMOVED AND REPLACED PARTS/MATERIALS

Using the box the new RDA/RPG Gateway (UD70/170A12) came in, and the Federal Express label provided in the kit, return the old Gateway to the National Reconditioning Center (NRC).

15. PROCEDURES

See ATTACHMENT 1.

16. FAA DISTRIBUTION

This directive is distributed to selected offices and services within Washington headquarters, the William J. Hughes Technical Center, the Mike Monroney Aeronautical Center, regional Airway Facilities divisions, and Airway Facilities field offices having the following facilities/equipment: NXRAD.

17. CHANGES TO TABLE OF CONTENTS (FAA)

This chapter will be included in the next revision to the table of contents for FAA Order 6345.1, Electronic Equipment Modification Handbook - Next Generation Weather Radar (NEXRAD).

18. RECOMMENDATIONS FOR CHANGES (FAA)

Forward any recommendations for changes to this directive through normal channels to the National Airway Systems Engineering Division, AOS-200, Operational Support.

19. REPORTING INSTRUCTIONS

a. NWS

Report completed modification on WS Form A-26, Engineering Management Reporting System Maintenance Record, according to the instructions in Engineering Handbook No. 4 (EHB-4), Engineering Management Reporting System (EMRS), part 2 and Appendix G. Include the following information on the WS Form A-26:

- An Equipment Code of RPG in Block 7.
- The appropriate serial number in Block 8.
- A Mod No. of 68 in Block 17a.

See ATTACHMENT 4 for a completed sample of WS Form A-26.

b. DoD

Update the AFTO Form 95 to show TCTO compliance. Report TCTO compliance in accordance with TO 00-20-2, Table 3-10, Rule 9.

c. FAA

STATUS ACCOUNTING. Providing your equipment is listed in the Facility/Service Equipment Profile (FSEP), the Maintenance Organization has opened a Log Equipment Modification (LEM) record in the Maintenance Management System (MMS). Upon completion of this modification, you are required to close the LEM record and change the Maintenance Action Code (MAC) to a "G" if the modification was completed or a "W" if the modification is not applicable. In the event that your equipment is not listed in the FSEP, it is your responsibility to open the LEM record upon receipt/completion of this Modification. Verify that an "N" is in the "REP COD" field to ensure that the log entry will be upwardly reportable to the national database for National MOD Tracking. The data is to be entered into the LEM as follows:

FAC/SERV:	NXRAD
LOC/IDENT:	Refer to Distribution List unless Site Specific (Information is supplied by the person opening LEM record)
SHORT NAME:	RPG
Order No:	EEM 6345.1
Chapter:	31
Change	34

d. DoD and FAA

Complete ATTACHMENT 3, and return the information to the ROC by one of the four methods below:

(1) Mail Address: Program Branch, Retrofit Management Team
WSR-88D Radar Operations Center
3200 Marshall Ave., Suite 101
Norman, Oklahoma 73072-8028

(2) Fax Number: (405) 366-6553
ATTN: Retrofit Management Team

(3) E-mail Address: NEXRAD.Logistics@noaa.gov

(4) Web Version: http://www.roc.noaa.gov/ssb/logistics/completion.asp

ATTACHMENT 1

RPG GATEWAY (UD70A12) REPLACEMENT PROCEDURES

Tools Required

Screwdriver set, Phillips-tip

NOTE

The RDA/RPG Gateway UD70/170A12 is made to be hot-swapped. This is done by removing and replacing the unit without shutting down the RPG cabinet.

1. Locate and disconnect the AC power cord from the back of the RDA/RPG Gateway.

   - NWS sites: Cable UD70/170W54
   - FAA sites: Cable UD70/170W69
   - DoD sites: Cable UD70/170W54

2. Disconnect the LAN cable UD70/170W206 from the **10BaseT LAN** port at the back of the RDA/RPG Gateway.

3. Disconnect the T1 cable UD70/170W256 for DoD and FAA sites, or UD70/170W258 for NWS sites, from the **WAN B** port at the back of the RDA/RPG Gateway.

4. With a second technician supporting the RDA/RPG Gateway, remove the screws and washers securing the RDA/RPG Gateway to the cabinet mounting rails.

5. Remove the old RDA/RPG Gateway from the UD70 cabinet and set it aside.

6. If the mounting brackets are not provided, remove the mounting brackets from the old RDA/RPG Gateway and install the brackets on the new RDA/RPG Gateway.

7. With a second technician supporting the new RDA/RPG Gateway, attach it to the UD70 cabinet, using the screws removed in step 4 where the old RDA/RPG Gateway was installed.

8. Connect the T1 cable UD70/170W256 for DoD and FAA sites, or UD70/170W258 for NWS sites, to the **WAN B** Port at the back of the RDA/RPG Gateway.

9. Connect the LAN cable UD70/170W206 to the **10BaseT LAN** port at the back of the RDA/RPG Gateway.

10. Connect the AC Power cord to the back of the RDA/RPG Gateway.

    - NWS sites: Cable UD70/170W54
    - FAA sites: Cable UD70/170W69
    - DoD sites: Cable UD70/170W54

11. Ensure the wideband link is connected and products are displayed. If the wideband link is not connected, contact the ROC Hotline at 1-800-643-3363 for troubleshooting assistance.

ATTACHMENT 1 (Continued)

RPG GATEWAY (UD70A12) REPLACEMENT PROCEDURES

12. Using the box the new RDA/RPG Gateway was shipped in and the Federal Express label provided, ship the old RDA/RPG Gateway to the NRC for upgrade.

13. Redundant sites: Repeat this attachment to modify the other channel.

ATTACHMENT 2

EFFECTIVITY

NWS

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
	Eastern Region			
ALBANY	ALBANY, NY	RPG	ALY	WN9518
BINGHAMTON	JOHNSON CITY, NY	RPG	BGM	WN9515
BOSTON	TAUNTON, MA	RPG	BOX	WN9509
BROOKHAVEN	UPTON, NY	RPG	OKX	WN9912
BUFFALO	BUFFALO, NY	RPG	BUF	WN9528
BURLINGTON	SOUTH BURLINGTON, VT	RPG	BTV	WN9617
CARIBOU	CARIBOU, ME	RPG	CAR	WN9712
CHARLESTON, SC	CHARLESTON, SC	RPG	CHS	WN9208
CHARLESTON, WV	CHARLESTON, WV	RPG	RLX	WN9414
CINCINNATI	WILMINGTON, OH	RPG	ILN	WN9710
CLEVELAND	CLEVELAND, OH	RPG	CLE	WN9524
COLUMBIA	WEST COLUMBIA, SC	RPG	CAE	WN9310
GREER	GREER, SC	RPG	GSP	WN9312
MOREHEAD CITY	NEWPORT, NC	RPG	MHX	WN9307
NORFOLK	WAKEFIELD, VA	RPG	AKQ	WN9952

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
PHILADELPHIA	MOUNT HOLLY, NJ	RPG	PHI	WN9950
PITTSBURGH	CORAOPOLIS, PA	RPG	PBZ	WN9917
PORTLAND, ME	GRAY, ME	RPG	GYX	WN9938
RALEIGH/DURHAM	RALEIGH, NC	RPG	RAH	WN9306
ROANOKE	BLACKSBURG, VA	RPG	RNK	WN9954
STATE COLLEGE	STATE COLLEGE, PA	RPG	CTP	WN9925
STERLING	STERLING, VA	RPG	LWX	WN9931
WILMINGTON	WILMINGTON, NC	RPG	ILM	WN9301
Southern Region				
ALBUQUERQUE	ALBUQUERQUE, NM	RPG	ABQ	WP9365
AMARILLO	AMARILLO, TX	RPG	AMA	WP9363
ATLANTA	PEACHTREE CITY, GA	RPG	FFC	WP9219
AUSTIN/SAN ANTONIO	NEW BRAUNFELS, TX	RPG	EWX	WP9253
NORTHEAST ALABAMA	ALABASTER, AL	RPG	BMX	WP9957
BIRMINGHAM	ALABASTER, AL	RPG	BMX	WP9957
BROWNSVILLE	BROWNSVILLE, TX	RPG	BRO	WP9250
CORPUS CHRISTI	CORPUS CHRISTI, TX	RPG	CRP	WP9251
DALLAS/FT WORTH	FORT WORTH, TX	RPG	FWD	WP9259

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
EL PASO	SANTA TERESA, NM	RPG	EPZ	WP9270
HOUSTON	DICKINSON, TX	RPG	HGX	WP9935
JACKSON, MS	JACKSON, MS	RPG	JAN	WP9235
JACKSONVILLE	JACKSONVILLE, FL	RPG	JAX	WP9206
KEY WEST	BOCA CHICA KEY, FL	RPG	BYX	WP9201
KNOXVILLE	MORRISTOWN, TN	RPG	MRX	WP9325
LAKE CHARLES	LAKE CHARLES, LA	RPG	LCH	WP9240
LITTLE ROCK	NORTH LITTLE ROCK, AR	RPG	LZK	WP9340
LUBBOCK	LUBBOCK, TX	RPG	LUB	WP9933
MELBOURNE	MELBOURNE, FL	RPG	MLB	WP9204
MEMPHIS	MEMPHIS, TN	RPG	MEG	WP9334
MIAMI	MIAMI, FL	RPG	MFL	WP9918
MIDLAND/ODESSA	MIDLAND, TX	RPG	MAF	WP9265
MOBILE	MOBILE, AL	RPG	MOB	WP9223
NASHVILLE	OLD HICKORY, TN	RPG	OHX	WP9327
NORMAN	NORMAN, OK	RPG	OUN	WP9921
SAN ANGELO	SAN ANGELO, TX	RPG	SJT	WP9263
SHREVEPORT	SHREVEPORT, LA	RPG	SHV	WP9248
SLIDELL	SLIDELL, LA	RPG	LIX	WP9919

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
TALLAHASSEE	TALLAHASSEE, FL	RPG	TLH	WP9214
TAMPA	RUSKIN, FL	RPG	TBW	WP9961
WESTERN ARKANSAS	TULSA, OK	RPG	TSA	WP9356
TULSA	TULSA, OK	RPG	TSA	WP9356
Central Region				
ABERDEEN	ABERDEEN, SD	RPG	ABR	WR9659
BISMARCK	BISMARCK, ND	RPG	BIS	WR9764
CHEYENNE	CHEYENNE, WY	RPG	CYS	WR9564
CHICAGO	ROMEOVILLE, IL	RPG	LOT	WR9969
DENVER	BOULDER, CO	RPG	BOU	WR9469
DES MOINES	JOHNSTON, IA	RPG	DMX	WR9546
DETROIT	WHITE LAKE, MI	RPG	DTX	WR9954
DODGE CITY	DODGE CITY, KS	RPG	DDC	WR9451
DULUTH	DULUTH, MN	RPG	DLH	WR9745
PADUCAH	PADUCAH, KY	RPG	PAH	WR9957
EVANSVILLE,IN	PADUCAH, KY	RPG	PAH	WR9957
FARGO/GRAND FORKS	GRAND FORKS, ND	RPG	FGF	WR9750
GOODLAND	GOODLAND, KS	RPG	GLD	WR9465

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
GRAND ISLAND	HASTINGS, NE	RPG	GID	WR9552
GRAND JUNCTION	GRAND JUNCTION, CO	RPG	GJT	WR9476
GRAND RAPIDS	GRAND RAPIDS, MI	RPG	GRR	WR9635
GREEN BAY	GREEN BAY, WI	RPG	GRB	WR9645
INDIANAPOLIS	INDIANAPOLIS, IN	RPG	IND	WR9438
JACKSON, KY	JACKSON, KY	RPG	JKL	WR9956
LA CROSSE	LA CROSSE, WI	RPG	ARX	WR9643
LINCOLN	LINCOLN, IL	RPG	ILX	WR9436
LOUISVILLE	LOUISVILLE, KY	RPG	LMK	WR9423
MARQUETTE	NEGAUNEE, MI	RPG	MQT	WR9743
MILWAUKEE	DOUSMAN, WI	RPG	MKX	WR9965
MINNEAPOLIS	CHANHASSEN, MN	RPG	MPX	WR9658
NCL MICHIGAN	GAYLORD, MI	RPG	APX	WR9610
NORTH PLATTE	NORTH PLATTE, NE	RPG	LBF	WR9562
NORTHERN INDIANA	NORTH WEBSTER, IN	RPG	IWX	WR9534
OMAHA	VALLEY, NE	RPG	OAX	WR9553
PLEASANT HILL	PLEASANT HILL, MO	RPG	EAX	WR9446
PUEBLO	PUEBLO, CO	RPG	PUB	WR9464
QUAD CITIES	DAVENPORT, IA	RPG	DVN	WR9544

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
RAPID CITY	RAPID CITY, SD	RPG	UNR	WR9662
RIVERTON/LANDER	RIVERTON, WY	RPG	RIW	WR9576
SIOUX FALLS	SIOUX FALLS, SD	RPG	FSD	WR9651
SPRINGFIELD	SPRINGFIELD, MO	RPG	SGF	WR9440
ST LOUIS	WELDON SPRING, MO	RPG	LSX	WR9971
TOPEKA	TOPEKA, KS	RPG	TOP	WR9456
WICHITA	WICHITA, KS	RPG	ICT	WR9450
Western Region				
BILLINGS	BILLINGS, MT	RPG	BYZ	WT9677
BOISE	BOISE, ID	RPG	BOI	WT9681
SALT LAKE CITY	SALT LAKE CITY, UT	RPG	SLC	WT9932
CEDAR CITY	SALT LAKE CITY, UT	RPG	SLC	WT9932
ELKO	ELKO, NV	RPG	LKN	WT9903
EUREKA (BUNKER HILL)	EUREKA, CA	RPG	EKA	WT9594
FLAGSTAFF	BELLEMONT, AZ	RPG	FGZ	WT9375
GLASGOW	GLASGOW, MT	RPG	GGW	WT9768
GREAT FALLS	GREAT FALLS, MT	RPG	TFX	WT9950
LAS VEGAS	LAS VEGAS, NV	RPG	VEF	WT9386

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
LOS ANGELES	OXNARD, CA	RPG	LOX	WT9295
MEDFORD	MEDFORD, OR	RPG	MFR	WT9597
MISSOULA	MISSOULA, MT	RPG	MSO	WT9773
PENDLETON	PENDLETON, OR	RPG	PDT	WT9688
YUMA	PHOENIX, AZ	RPG	PSR	WT9278
PHOENIX	PHOENIX, AZ	RPG	PSR	WT9278
POCATELLO	POCATELLO, ID	RPG	PIH	WT9578
PORTLAND, OR	PORTLAND, OR	RPG	PQR	WT9698
RENO	RENO, NV	RPG	REV	WT9488
SACRAMENTO	SACRAMENTO, CA	RPG	STO	WT9914
SANTA ANA MTS	SAN DIEGO, CA	RPG	SGX	WT9918
SAN DIEGO	SAN DIEGO, CA	RPG	SGX	WT9918
SAN FRANCISCO	MONTEREY, CA	RPG	MTR	WT9933
SAN JOAQUIN VALY	HANFORD, CA	RPG	HNX	WT9389
SEATTLE	SEATTLE, WA	RPG	SEW	WT9922
SPOKANE	SPOKANE, WA	RPG	OTX	WT9785
TUCSON	TUCSON, AZ	RPG	TWC	WT9274

Miscellaneous

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
NATL CLIMATIC DATA CTR (NCDC)	ASHEVILLE, NC	RPG	NCCN7	WN9312
NRC #2	KANSAS CITY, MO	RPG	NRCM7	WG9163
NRC #1	KANSAS CITY, MO	RPG	NRCM7	WG9163
NWSHQ TESTBED	SILVER SPRING, MD	RPG		WG9310
WDTB RPG	NORMAN, OK	RPG		
ROC4 NWS RPG	NORMAN, OK	RPG		WG9410
ROC3 NWS RPG	NORMAN, OK	RPG		WG9410
ROC FAA REDUNDANT (RPG 2)	NORMAN, OK	RPG	CRIO2	WG9410
ROC FAA REDUNDANT (RPG 1)	NORMAN, OK	RPG	CRIO2	WG9410
ROC DOD RPG (KREX)	NORMAN, OK	RPG		WG9420
OSF-3 (RPG/KOHLER GEN)	NORMAN, OK	RPG	OSFO2	WG9410
PRC RPG	RESTON, MD	RPG	PRCV2	WG9310
TRAINING CENTER #2 NWSTC	KANSAS CITY, MO	RPG	TTCM7	WB9612
TRAINING CENTER #1 NWSTC	KANSAS CITY, MO	RPG	TTCM7	WB9612

DoD

ALTUS AFB	FREDERICK, OK	RPG	FDR	FE4419
ANDERSEN AFB	ANDERSEN AFB, GU	RPG	UAM	FE5240

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
BEALE AFB	OROVILLE, CA	RPG	BBX	FE4686
CAMP HUMPHREYS	CAMP HUMPHREYS, KO	RPG	PTK	FI5294
CANNON AFB	FIELD, NM	RPG	FDX	FE4855
COLUMBUS AFB	GREENWOOD SPRINGS, MS	RPG	GWX	FE3022
DOVER AFB	ELLENDALE STATE FOREST, DE	RPG	DOX	FE4497
DYESS AFB	MORAN, TX	RPG	DYX	FE4661
EDWARDS AFB	BORON, CA	RPG	EYX	FE2805
EGLIN AFB	RED BAY, FL	RPG	EVX	FE2823
FT CAMPBELL	TRENTON, KY	RPG	HPX	FY4812
FT DRUM	MONTAGUE, NY	RPG	TYX	FY4846
FT HOOD	GRANGER, TX	RPG	GRK	FY4824
FT POLK	FT POLK, LA	RPG	POE	FY4825
FT RUCKER	ECHO, AL	RPG	EOX	FY4805
HOLLOMAN AFB	RUIDOSO, NM	RPG	HDX	FE4801
KADENA AB	KADENA AB, JA	RPG	KAD	FH5270
KUNSAN AB	KUNSAN AB, KO	RPG	KUZ	FH5284
LAJES AB	SANTA BARBARA, AZR	RPG	PLA	FE4486
LAUGHLIN AFB	BRACKETVILLE, TX	RPG	DFX	FE3099
MAXWELL AFB	CARRVILLE, AL	RPG	MXX	FE3300

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
MINOT AFB	DEERING, ND	RPG	MBX	FE4528
MOODY AFB	SOUTH STOCKTON, GA	RPG	VAX	FE4830
ROBINS AFB	JEFFERSONVILLE, GA	RPG	JGX	FE2067
VANCE AFB	CHEROKEE, OK	RPG	VNX	FE3029
VANDENBERG AFB	ORCUTT, CA	RPG	VBX	FE4610

FAA

ANCHORAGE FAA (RPG 2)	KENAI, AK	RPG	AHG	6901AJ
ANCHORAGE FAA (RPG 1)	KENAI, AK	RPG	AHG	6901AJ
BETHEL FAA (RPG 2)	BETHEL, AK	RPG	ABC	690112
BETHEL FAA (RPG 1)	BETHEL, AK	RPG	ABC	690112
FAIRBANKS FAA (RPG 2)	FAIRBANKS, AK	RPG	APD	690178
FAIRBANKS FAA (RPG 1)	FAIRBANKS, AK	RPG	APD	690178
KAMUELA/KOHALA APT(RPG 2)	KAMUELA, HI	RPG	HKM	699235
KAMUELA/KOHALA APT(RPG 1)	KAMUELA, HI	RPG	HKM	699235
KING SALMON FAA (RPG 2)	KING SALMON, AK	RPG	AKC	690137
KING SALMON FAA (RPG 1)	KING SALMON, AK	RPG	AKC	690137
MIDDLETON ISLAND (RPG 2)	MIDDLETON ISLAND, AK	RPG	AIH	690140

ATTACHMENT 2 (Continued)

EFFECTIVITY

NEXRAD Site Name	City, ST	EQP	SID	ORG Code
MIDDLETON ISLAND (RPG 1)	MIDDLETON ISLAND, AK	RPG	AIH	690140
MOLOKAI FAA (RPG 2)	MOLOKAI, HI	RPG	HMO	699213
MOLOKAI FAA (RPG 1)	MOLOKAI, HI	RPG	HMO	699213
NOME FAA (RPG 2)	NOME, AK	RPG	AEC	690147
NOME FAA (RPG 1)	NOME, AK	RPG	AEC	690147
SAN JUAN FAA (RPG 2)	SAN JUAN, PR	RPG	JUA	69F362
SAN JUAN FAA (RPG 1)	SAN JUAN, PR	RPG	JUA	69F362
SITKA FAA (RPG 2)	BIORKA ISLAND, AK	RPG	ACG	690141
SITKA FAA (RPG 1)	BIORKA ISLAND, AK	RPG	ACG	690141
SOUTH KAUAI FAA (RPG 2)	SOUTH KAUAI, HI	RPG	HKI	699211
SOUTH KAUAI FAA (RPG 1)	SOUTH KAUAI, HI	RPG	HKI	699211
SOUTH SHORE FAA (RPG 2)	NAALEHU, HI	RPG	HWA	699201
SOUTH SHORE FAA (RPG 1)	NAALEHU, HI	RPG	HWA	699201

ATTACHMENT 3

RPG GATEWAY (UD70A12) RETROFIT COMPLETION FORM

DoD and FAA only will complete this form

NWS report completion in EMRS

Site Name: _____

Site Identifier: _____

Total Time to Complete this Modification: _____

Technician's Name(s): _____

Technician's Phone Number: _____

Date Completed: _____

Problem(s) Encountered:
_____

_____

_____

_____

Upon completion of this form, return the information to the ROC by one of the four methods below:

1. Mailing Address: Program Branch, Retrofit Management Team
   WSR-88D Radar Operations Center
   3200 Marshall Ave., Suite 101
   Norman, OK 73072-8028

2. FAX Number: (405) 366-6553
   ATTN: Retrofit Management Team

3. E-mail Address: NEXRAD.Logistics@noaa.gov

4. Web Version: http://www.roc.noaa.gov/ssb/logistics/completion.asp

Attachment 4

ENGINEERING MANAGEMENT REPORTING SYSTEM
MAINTENANCE RECORD

Document Number
G 51301

General Information	1. Open Date	Time	2. Initials	3. Response Priority (check one)	4. Close Date	Time
	09 / 17 / 02	0900	MRB	○ Immediate ○ Low ○ Routine ☒ Not Applicable	09 / 17 / 02	1100

5. Description
INSTALL NEW RPG GATEWAY (UD70A12) IAW MOD NOTE 68

Equipment Information	6. Station ID	7. Equipment Code	8. Serial Number	9. TM	10. AT	11. How Mal.
	TOP	RPG	DC001	M	M	999

12. EQUIPMENT OPERATIONAL STATUS TIMES	a. Fully Operational	b. Logistics Delay	Partly Operational	c. All Other	d. Logistics Delay	Not Operational	e. All Other
							2:00

13. Parts Failure Information

Block #	a. ASN	b. NSN	c. TM	d. AT	e. How Mal.	f. Qty.	g. Maint. Hrs.
1							
2							
3							
4							
5							

14. Work Load Information

Type	Staff Hrs.
a. Routine	
b. Non-routine	
c. Travel	
d. Misc.	2:00
e. Overtime	

Miscellaneous Information	15. Maintenance Comments	16. Initials
	INSTALLED NEW RPG GATEWAY (UD70A12)	MRB

17. SPECIAL PURPOSE REPORTING	a. Mod. No.	b. Mod./Act./Deact.Date	c.	d.	e.
	68	09/17/02			

18. CONFIGURATION MGMT. REPORTING (use as directed)	ASN	Vendor Part Number (New Part)	Serial Number (Old Part)	Serial Number (New Part)

Sample