

NWS REQUEST FOR CHANGE FORM

1. WSH TRACKING NUMBER ISCS-0004	1A. REV LEVEL A	2. DATE RECEIVED 4/20/07
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PART A - COVER SHEET

This form is in three parts. Submitters must complete unshaded blocks in Part A, and as much of Part B and C as possible. If there is no specific required change date, enter 60 days from date submitted. Address questions to NWS Change Management at (301) 713-1373. Submit change requests to the NWSRC mailbox (External: NWSRC@noaa.gov).

3. ORIGINATOR OFFICE	4. SUBMITTING AUTHORITY Name: Robert Gillespie Routing Code: W/OPS17 Phone: 301-713-9478 x140	5. COGNIZANT TECHNICAL INDIVIDUAL Name: Patrick Gillis Routing Code: W/OPS17 Phone: 301-713-1743 x104	6. ORIGINATOR TRACKING NUMBER N/A	7. DATE SUBMITTED 4/20/07
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8. SYSTEMS AFFECTED BY CHANGE <input type="checkbox"/> ASOS <input type="checkbox"/> AWIPS <input type="checkbox"/> CSSA <input type="checkbox"/> CRS <input type="checkbox"/> DATA PRODUCTS <input type="checkbox"/> EMWIN <input type="checkbox"/> NEXRAD <input type="checkbox"/> RRS <input checked="" type="checkbox"/> OTHER (specify) ISCS	9. ORD IDENTIFIER
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10. TITLE OF CHANGE
Caribbean Meteorological Organization Radar Data Application

11. CATEGORY OF CHANGE <input checked="" type="checkbox"/> RC <input type="checkbox"/> PECP <input type="checkbox"/> ECP	12. TYPE OF CHANGE <input type="checkbox"/> DOCUMENTATION ONLY <input type="checkbox"/> HARDWARE <input type="checkbox"/> SOFTWARE <input checked="" type="checkbox"/> DATA
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13. SITES AFFECTED
All ISCS sites

14. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM

The Caribbean Meteorological Organization, in cooperation with World Meteorological Organization (WMO) and NOAA/NWS, have a requirement for the transmission of Doppler RADAR image data (in BUFR format) from selected sites in the Caribbean to a composite (mosaic) concentrator located in Martinique, and dissemination of the BUFR format RADAR mosaic data product to Member Countries of WMO Region-IV.

15. KNOWN OR PROPOSED SOLUTION

ADD – Caribbean RADAR BUFR products and RADAR mosaic BUFR product into ISCS database by adding WMO Header Information, and making the BUFR products available on the ISCS broadcast for ISCS sites in WMO Region-IV.

Individual SITE scans in BUFR from 13 planned locations will be uplinked via ISCS. A BUFR encoded RADAR mosaic will be uplinked by Martinique. This will happen four times per hour. Individual scans will have a max size of 40KB and the mosaic will have a max size of 400KB. The first year there will be 4 individual sites with build out occurring over the next two years.

Backup communications will be provided via Internet and GTS RMTN links.

Testing will occur in the August 2007 time frame.

16. ALTERNATE SOLUTIONS

Use of the Internet and/or Global Telecommunications System (GTS) for collection of the Doppler RADAR BUFR products, Doppler RADAR mosaic BUFR product, and dissemination of the BUFR format RADAR mosaic to Member Countries of WMO Region-IV.

17. REQUIRED CHANGE DATE 01 September 2007	18. RATIONALE FOR REQUIRED CHANGE DATE Want to have in place prior to most active part of hurricane season to support warning and to validate product sizing.	19. PRIORITY <input checked="" type="checkbox"/> ROUTINE <input type="checkbox"/> URGENT <input type="checkbox"/> EMERGENCY
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DRG/CCB/PMC/CMB DECISION					
20. DECISION AUTHORITY AND IMPACT LEVEL	<input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED	<input type="checkbox"/> CCB LEVEL ONLY	<input type="checkbox"/> FAST TRACK	<input type="checkbox"/> MAJOR CHANGE	<input type="checkbox"/> MINOR CHANGE

21. CCB LEVEL DECISION	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> DISAPPROVED	SIGNATURE /s/ Robert J. Gillespie
	<input type="checkbox"/> RECOMMEND APPROVAL	<input type="checkbox"/> REFERRED TO OSIP	DATE SIGNED 20 April 2007

FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED

22. PMC OR NWS CMB DECISION	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	SIGNATURE/DATE
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PART A - DATA PRODUCTS SUPPLEMENT

This information is required for Data Products submissions.

3. INTERNAL NWS USE ONLY

YES NO

4. PRODUCT SOURCE

See countries in block 8 on this page.

5. ISCS DATA TYPE

RADAR

6A. NOTIFICATION

6B. CHANGE NOTICE NUMBER

6C. ISSUE DATE

6D. TEST DATE

6E. IMPLEMENT DATE

AWIPS

EMWIN

NWWWS

ISCS

August 2007*

01 September 2007*

7. NODE ID

8. AWIPS ID NNNXXX

9. WMO HEADER

10. ADD REV DEL

11. SEAS Y/N

12. CHAR PER MSG

13. FREQUENCY

14. NWSTG DISTR

TBPB Barbados PAHM44TBPB

ADD*

N

TBD

As Req'd

ISCS/RMTN

MZBZ Belize PAHM44MZBZ

ADD*

N

TBD

As Req'd

ISCS/RMTN

MDSD Dom. Rep. PAHM44MDSD

ADD*

N

TBD

As Req'd

ISCS/RMTN

SOCA Fr. Guiana PAHM44SOCA

ADD*

N

TBD

As Req'd

ISCS/RMTN

SYCJ Guyana PAHM44SYCJ

ADD*

N

TBD

As Req'd

ISCS/RMTN

MKJP Jamaica PAHM44MKJP

ADD*

N

TBD

As Req'd

ISCS/RMTN

TFFF Martinique PAHM44TFFF
PAHM22TFFF
PAMR21TFFF

ADD*

N

TBD

As Req'd

ISCS/RMTN (Radar Bufr)
ISCS/RMTN (Mosaic Bufr)
ISCS/RMTN (Mosaic Test Bufr)

TTPP Trinidad-Tobago PAHM44TTPP

ADD*

N

TBD

As Req'd

ISCS/RMTN

TFFR Guadeloupe PAHM44TFFR

ADD*

N

TBD

As Req'd

ISCS/RMTN

TBPB Barbados PAHM44TBPB

ADD*

N

TBD

As Req'd

ISCS/RMTN

MZBZ Belize PAHM44MZBZ

ADD*

N

TBD

As Req'd

ISCS/RMTN

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PART B - FUNDING AND SUPPORT ACTIVITIES

All RC/ECP submissions must also address the following information. Attach extra pages if necessary, referencing each applicable subject.

FUNDING INFORMATION		SOURCE OF FUNDING	COST DATA
3A. DEVELOPMENT COSTS		3B.	3C. \$
4A. OPERATIONAL TEST AND EVALUATION COSTS		4B.	4C. \$
5A. PRODUCTION COSTS		5B.	5C. \$
6A. COMMUNICATIONS SERVICE/CIRCUITS COSTS		6B.	6C. \$
7A. IMPLEMENTATION SUPPORT COSTS		7B.	7C. \$
8A. LIFE CYCLE SUPPORT COSTS		8B.	8C. \$
9A. CCB COST EVALUATION NWS COST \$ FAA COST \$ DOD COST \$ OTHER AGENCY COST \$ (SPECIFY)			9B. TOTAL COST \$

SUPPORTING INFORMATION AND SCHEDULES

10. DEVELOPMENT STATUS/SCHEDULE	11. PROCUREMENT STATUS/ SCHEDULE
12. IMPLEMENTATION/RETROFIT STATUS/SCHEDULE	13. FACILITY INFORMATION
14. COMMUNICATIONS RESOURCES TO BE INSTALLED	15. COMMUNICATIONS RESOURCES TO BE REMOVED
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES	17. COORDINATION OF CHANGE WITH OTHER CHANGES
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED	19. STAFF RESOURCE IMPACTS
20. LOGISTICS IMPACTS	21. OPERATIONAL IMPACTS
22. ADDITIONAL MAJOR CHANGE ACTIVITIES	

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PART B - PHYSICAL ITEM AND DOCUMENT IMPACT MATRIX SUPPLEMENT

This information is required prior to publication of Engineering Modification Notes and Software Release Notes.

PART AND SOFTWARE IDENTIFICATION

3. ITEM TYPE: HARDWARE SOFTWARE	4. ITEM NAME AND REFERENCE DESIGNATOR	5. ADD REMOVE REPLACE MODIFY	6. OLD PART OR SOFTWARE VERSION		7. NEW PART OR SOFTWARE VERSION	
			A. PART NUMBER OR SOFTWARE VERSION	B. SERIAL NUMBER OR LOT	A. PART NUMBER OR SOFTWARE VERSION	B. SERIAL NUMBER OR LOT

DOCUMENTATION IDENTIFICATION

8. DOCUMENT TYPE	9. DOCUMENT TITLE	10. ADD REMOVE REPLACE MODIFY	11. OLD DOCUMENT		12. NEW DOCUMENT	
			A. IDENTIFIER	B. REVISION IDENTIFIER	A. IDENTIFIER	B. REVISION IDENTIFIER

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PART C - CHANGE AND IMPLEMENTATION ACTIVITIES

Submitters should propose implementation actions; WSH will assist with and supplement actions or required statements when necessary.

3. IMPLEMENTATION DOCUMENTS REQUIRED

Engineering Modification Note Software Release Notes Other Document (Specify) _____

ADDITIONAL IMPLEMENTATION INSTRUCTIONS

4. IMPLEMENTATION ACTIVITY REQUIRED

5. RESPONSIBLE
PERSON AND OFFICE

6. REQUIRED
COMPLETION
DATE

7. DOCUMENT OR ACTION
REQUIRED TO VERIFY
COMPLETION

1. Product Definition (WMO Header)
2. ISCS Traffic Evaluation
3. FTP Configuration
4. Test Plan
5. Implementation of Test Phase
6. Test Phase Completed
7. Radar Data Application operational (If test successful)

Branski/NWSTG

30 May 2007

Gillespie/OPS17

30 May 2007

Branski/NWSTG

30 May 2007

Nakamine/OPS17

30 June 2007

NWS/CMO/Meteo-Fr

01 Sept 2007

NWS/CMO/Meteo-Fr

01 Dec 2007

NWS/CMO/Meteo-Fr

01 Dec 2007