

NWS REQUEST FOR CHANGE FORM

1. ISCS TRACKING NUMBER ISCS-0015	1A. REV LEVEL B	2. DATE RECEIVED 03/30/2009
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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 ISCS Change Management at (301) 713-1743.

3. ORIGINATOR OFFICE ISCS	4. SUBMITTING AUTHORITY Name: Robert Gillespie Routing Code: W/OPS17	5. COGNIZANT TECHNICAL INDIVIDUAL Name: Erica Brooking Routing Code: W/OPS17 Phone: (301) 713-9480 ext. 118	6. ORIGINATOR TRACKING NUMBER	7. DATE SUBMITTED 24 July 2008
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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/WAFS	9. ORD IDENTIFIER
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10. TITLE OF CHANGE

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
National Weather Service (NWS) Silver Spring and all ISCS end-user sites in the ICAO regions.

14. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM
The Volcanic Ash Advisory Centers (VAAC) are required by the International Civil Aviation Organization (ICAO) to disseminate a graphical product outlining observed ash and 6-, 12-, and 18-hour forecast ash boundaries. These products will satisfy this requirement.

15. KNOWN OR PROPOSED SOLUTION
ISCS/WAFS broadcast of the Volcanic Ash Graphic (VAG) will be a 4 panel graphic depicting observed ash, 6-hr forecast ash boundary, 12-hour forecast ash boundary, and 18-hour forecast ash boundary. The graphic will be annotated with text including the name and location of the active volcano, the ash height(s), and the valid times. Revision is to add VAG products from Montreal, Canada to the ISCS broadcast.

16. ALTERNATE SOLUTIONS
None

17. REQUIRED CHANGE DATE 1 September 2008	18. RATIONALE FOR REQUIRED CHANGE DATE Allow for 60 days advance notification to affected ISCS end-users in the ICAO regions.	19. PRIORITY ROUTINE <input checked="" 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 type="checkbox"/> APPROVED	<input type="checkbox"/> DISAPPROVED	SIGNATURE	
	<input type="checkbox"/> RECOMMEND APPROVAL	<input type="checkbox"/> REFERRED TO OSIP	DATE SIGNED	

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

5. AWIPS DATA TYPE

6A. NOTIFICATION

6B. CHANGE NOTICE NUMBER

6C. ISSUE DATE

6D. TEST DATE

6E. IMPLEMENT DATE

AWIPS

EMWIN

NWWS

ISCS

24 Jul 2008

1 Sep 2008

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

PFXD01 CWAO
PFXD02 CWAO
PFXD03 CWAO
PFXD04 CWAO

ADD
ADD
ADD
ADD

N
N
N
N

As Req.
As Req.
As Req.
As Req.

Socket 30263
Socket 30263
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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

Installation of new MPLS access circuits (23HCGS071717 and 23HCGS071722) in the NWSRG and connection to ISCS routers located in data cabinet. Existing ISCS T-1 circuits (36HCGS817453 and 36HCGS976665) will be left in standby mode until disconnection in early August 2007. Connection of ISCS Pacific Ocean Region (POR) monitoring workstation to ISCS Hawaii Back-haul circuit will be moved to new connection on Verizon router located in NWSRG.

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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) Modification of NWS RTG database switching directory

Richard Robinson –
NWS Data
Management

01 Apr 2009

Notification to ISCS
Program Manager (Bob
Gillespie) and ISCS
Program Lead (Pat Gillis)

2) Notification of change sent to all ICAO ISCS/WAFS end-users.

Richard Robinson –
NWS Data
Management

01 Apr 2009

Notification to ISCS
Program Manager (Bob
Gillespie) and ISCS
Program Lead (Pat Gillis)

3) Revise ISCS User Guide Annexes to reflect change in ISCS/WAFS broadcast content.

Don Fletcher –
W/OPS17

04 Apr 2009

Notification to ISCS
Program Manager (Bob
Gillespie) and ISCS
Program Lead (Pat Gillis)