NWS REQUEST FOR CHANGE FORM

1. WSH TRACKING NUMBER | 1A. REV LEVEL | 2. DATE RECEIVED | 5/2/07

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).											
	ME: Rebecca	ı Cosgrove	5. COGNIZA INDIVIDUAL Name: Kath Routing Coo Phone: 301	ryn Gi de: W/	lbert OST22		6. ORIGINATOR T NUMBER MDL2007-02	RACKING	7. DATE		MITTED 007
8. SYSTEMS AFFECT ASOS EMWIN	TED BY CHA AWIPS NEXRA	css	_	_	CRS OTHER (sp	Decify)	DATA PRODUCTS		9. ORD	IDEN [*]	TIFIER
10. TITLE OF CHANG Elements added to GR		dded MOS guidance	e for the CON	US							
11. CATEGORY OF C RC RC 13. SITES AFFECTED	PECP	ECP 12. T	YPE OF CHA		N ONLY		HARDWARE	SOF	TWARE		DATA
all 14. STATEMENT OF To support the NDFD, resolution comparable The IFPS ISST has re (Text adapted from Gr	forecasters to that used commended	must produce accur in the WFO forecast the development of	rate forecasts st process. T f MOS guidan	on a l he cur	nigh-resolut rent MOS C	ion grid ir QPF, wind	n an optimal manner				
MDL currently genera DRG 9332). Guidanc temperatures and dev	15. KNOWN OR PROPOSED SOLUTION MDL currently generates GFS-based MOS guidance on the 5-km NDFD CONUS grid twice daily (0000 and 1200 UTC model cycles) in GRIB2 format (see DRG 9332). Guidance is currently available for projections of 6 to 192 hours after model run time for maximum and minimum temperature, 2-m spot temperatures and dewpoints, 6- and 12-h probability of precipitation (POP), wind direction and speed, 3-, 6- and 12-hr probability of thunderstorms, and relative humidity. 24-hr snowfall amount was also approved with DRG9332, but we have not begun disseminating that product.										
At this time we will ad from 6 to 192 hours, a	and begin dis will be sent fr	seminating the 24-h	r snowfall am	ount. to AWI	Prior to the PS, decode	official S ed by the	BN implementation of GRIB2 decoder, and	date we need then ingeste	to send on the second of the s	data to E and	the testNCF.
browser. These products are slated for Application Release 8.2. We anticipate these products to add roughly 20 MB of data to the SBN twice per day. More information about the gridded MOS products is available at http://www.weather.gov/mdl/synop/gmos.html . The attached document outlines the headers for these new products and contains a list of the explicit headers that must be added to the switching directory by Data Management.											
16. ALTERNATE SOLUTIONS none											
17. REQUIRED CHANGE DATE 3/13/07	We need to for testing.	NALE FOR REQUIF transmit sample da March 13, 2007 fo s to 120 advance no	ata to the testler official SBN otice for new	NCF a I trans WMO	s soon as p mission headers. S	ee TIN	19. PRIORITY ROUTINE	URGE	NT [E	MERGENCY
DRG/CCB/PMC/CMB DECISION 20. DECISION AUTHORITY											
AND IMPACT LEVEL		PMC or NWS			CCB LEVE ONLY	ĒL	FAST TRACK	MAJOI CHAN			IINOR HANGE
21. CCB LEVEL DEC	21. CCB LEVEL DECISION APPROVED DISAPPROVED SIGNATURE Anthony Robinson										
		RECOMMEN APPROVAL			REFERRE TO OSIP		DATE SIGNED February 21, 2007				
FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED											
22. PMC OR NWS CMB DECISION SIGNATURE/DATE DISAPPROVED											

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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. PRODUC NCEP CCS	T SOUR	CE	5. AWIPS DATA TYPE Grids (GRIB2)		
6A. NOTIF	FICATION	6B. CHANGE NOTICE N	IUMBER			6C. ISSUE DATE	6D. TEST DATE	6E. IMPLEMENT DATE
AWIPS		10494				2/21/07	2/26/07	3/13/07
EMWIN								
NWWS								
7. NODE ID	NNNXXX	9. WMO HEADER	10. ADD REV DEL	SEAS Y/N	12. CHAR PER MSG	13. FREQUENCY	14. NWSTG DISTR	
Please see	e attached docume	nts for complete header a				Turing daile.		
		LAUxxx KWBQ LIUxxx KWBQ	Add Add	N N	100K/grid 100K/grid	Twice daily Twice daily	SBN/NOAAPORT SBN/NOAAPORT	
		LVUxxx KWBQ	Add	N	100K/grid	Twice daily	SBN/NOAAPORT	
		LWUxxx KWBQ	Add	N	150K/grid	Twice daily	SBN/NOAAPORT	
								,
				 				
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Table 1. Gridded MOS products to be added March 2007. The CCCC for all headers is KWBQ.

Element	Header	No. of	First/Last	Bytes per	
		grids per	Proj./Time	grid/cycle	
		cycle	Increment (hr)		
Sky Cover	LAUA ₂ ii	63	6/192/3	100K/6.3M	
Quantitative	LIUA2ii	25	12/156/6	100K/2.5M	
Precip. (QPF) (6h)					
Quantitative	LVUA2ii	24	18/156/6	100K/2.4M	
Precip. (QPF)					
(12h)					
Wind Gusts	LWUA2ii	63	6/192/3	150K/9.4M	

Table 2. WMO headers for gridded MOS products to be added March 2007. The CCCC for all headers is KWBQ.

	CCCC for all headers is KWBQ.							
		Product Headers						
	Category							
Sky Cover	$\mathtt{LAUA}_2\mathtt{ii}$	LAUA18 LAUA21						
		LAUB00 LAUB03 LAUB06 LAUB09 LAUB12						
		LAUB15 LAUB18 LAUB21						
		LAUC00 LAUC03 LAUC06 LAUC09 LAUC12						
		LAUC15 LAUC18 LAUC21						
		LAUD00 LAUD03 LAUD06 LAUD09 LAUD12						
		LAUD15 LAUD18 LAUD21						
		LAUE00 LAUE03 LAUE06 LAUE09 LAUE12						
		LAUE15						
		LAUE18 LAUE21						
		LAUF00 LAUF03 LAUF06 LAUF09 LAUF12						
		LAUF15						
		LAUF18 LAUF21						
		LAUG00 LAUG03 LAUG06 LAUG09 LAUG12						
		LAUG15 LAUG18 LAUG21						
		LAUH00 LAUH03 LAUH06 LAUH09 LAUH12						
		LAUH15 LAUH18 LAUH21						
		LAUI00 LAUI03 LAUI06 LAUI09 LAUI12						
		LAUI15						
		LAUI18 LAUI21						
		LAUJ00						
QPF (6h)	LIUA ₂ ii	LIUB00 LIUB06 LIUB12 LIUB18						
		LIUC00 LIUC06 LIUC12 LIUC18						
		LIUD00 LIUD06 LIUD12 LIUD18						
		LIUE00 LIUE06 LIUE12 LIUE18						
		LIUF00 LIUF06 LIUF12 LIUF18						
		LIUG00 LIUG06 LIUG12 LIUG18						
		LIUH00 LIUH06 LIUH12						
		I						

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QPF (12h)	LVUA ₂ ii		LVUB12			
				LVUC12		
				LVUD12		
				LVUE12		
		LVUF00	LVUF06	LVUF12	LVUF18	
		LVUG00	LVUG06	LVUG12	LVUG18	
		LVUH00	LVUH06	LVUH12		
Wind	LWUA2ii	LWUA18	LWUA21			
Gusts		LWUB00	LWUB03	LWUB06	LWUB09	LWUB12
		LWUB15	LWUB18	LWUB21		
		LWUC00	LWUC03	LWUC06	LWUC09	LWUC12
		LWUC15	LWUC18	LWUC21		
		LWUD00	LWUD03	LWUD06	LWUD09	LWUD12
		LWUD15	LWUD18	LWUD21		
		LWUE00	LWUE03	LWUE06	LWUE09	LWUE12
		LWUE15				
		LWUE18	LWUE21			
		LWUF00	LWUF03	LWUF06	LWUF09	LWUF12
		LWUF15				
		LWUF18	LWUF21			
		LWUG00	LWUG03	LWUG06	LWUG09	LWUG12
		LWUG15	LWUG18	LWUG21		
		LWUH00	LWUH03	LWUH06	LWUH09	LWUH12
		LWUH15	LWUH18	LWUH21		
		LWUI00	LWUI03	LWUI06	LWUI09	LWUI12
		LWUI15				
		LWUI18	LWUI21			
		LWUJ00				