	NW	/S REQUE F	ST FOR	CHANG	ЭE	1. WS	SH TRACE	(ing nui	//BER	1A. REV LE\	/EL :	2. DATE	E RECE	IVED		
					PART	ГА-	COVE	R SHE	EET							
change da NWSRC r	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 NWS/OST/MDL Name: Rebecca Cosgrove Routing Code: W/OST22  S. COGNIZANT TECHNICAL INDIVIDUAL Name: Judy Ghirardelli Routing Code: W/OST21 Phone: (301) 713-0056 x 194  S. COGNIZANT TECHNICAL Name: G. ORIGINATOR TRACKING NUMBER  May 18, 2006  MDL2006-04								ED								
AS	8. SYSTEMS AFFECTED BY CHANGE  ASOS AWIPS CSSA CRS DATA PRODUCTS  EMWIN NEXRAD RRS OTHER (specify)									R						
Stage 4 o	ed Localiz f OSIP)	zed Aviation MC	)S Program (	, ,			NUS, Hav	waii, Alasł	ka, the	Virgin Islands	s, and	Puerto F	Rico (O	SIP Ta	ask 05-	059, in
11. CATE		PECP	ECP	12. TYPE (	OF CHAI		N ONLY		HARI	DWARE		SOF	TWARE	≣ [	<u> </u>	DATA
13. SITES All	S AFFEC	TED														
14. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM  For NWS forecasters to produce accurate aviation forecast products, guidance is needed on an hourly basis covering the time period of the terminal aerodrome forecast (TAF) product. Localized Aviation MOS Program (LAMP) currently provides a product in AWIPS on a 3 hourly basis, but this product is based on the Model Output Statistics (MOS) from the Nested Grid Model (NGM), and does not cover the full TAF period of 24 hours. There is a science opportunity to update this product based on the new Global Forecast Systems (GFS) MOS, to provide the guidance on an hourly basis, and to provide guidance that covers the TAF period.  (Adapted from LAMP OSIP Stage 1 Statement of Need Document)																
15. KNOWN OR PROPOSED SOLUTION  The proposed solution is to redevelop the LAMP system to update the more accurate and more timely GFS MOS guidance and run the LAMP system hourly out to 25 hours to cover the TAF period. The GFS model is more accurate than the NGM and archives from GFS exist at higher temporal and spatial resolution. LAMP will run centrally on the NOAA Central Computing System (NCCS) at the National Centers for Environmental Prediction (NCEP), and the official products will be disseminated centrally from NCEP using current methodologies. The older NGM MOS based LAMP will be removed from running within AWIPS. New GFS-LAMP guidance will be disseminated in ASCII, BUFR, and GRIB2 format. See <a href="http://www.nws.noaa.gov/mdl/gfslamp/docs/stations_info.shtml">http://www.nws.noaa.gov/mdl/gfslamp/docs/stations_info.shtml</a> for the list of stations for which GFS-LAMP guidance is provided.  (Adapted from LAMP OSIP Stage 3 Business Case Analysis Document)																
See Business Case Analysis Document for OSIP 05-059 for a discussion of alternative solutions. See <a href="https://osip.nws.noaa.gov/osip/processDocsStatus.php">https://osip.nws.noaa.gov/osip/processDocsStatus.php</a> which requires NWS username First.Last and NWS login password. At this site, refer to OSIP Number 05-059																
17. REQUE CHANGE ASAP for July 25, 2 SBN trans	DATE testNCF 006 for	SEC needs testing for July 25, 20 correspond	NALE FOR R s sample data OB7.2 releas 06 refers to t ds to 120 day 06 is stated i	a on the test e. he official SE s of advance	NCF as s 3N trans	soon as missior	s possible n date, wh	ich	_	RIORITY		URGEN	NT		EMER(	GENCY
DRG/CCB/PMC/CMB DECISION																
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21. CCB I	_EVEL D	ECISION	APPR	ROVED			DISAPPR	OVED	SIGN	IATURE						
			APPR	OMMEND ROVAL		Ш	REFERR TO OSIP			SIGNED						
FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED																

APPROVED

22. PMC OR NWS CMB DECISION

DISAPPROVED

SIGNATURE/DATE

## NWS REQUEST FOR CHANGE FORM

1. WSH TRACKING NUMBER	1A. REV LEVEL	2. DATE RECEIVED

PART A - DATA PRODUCTS SUPPLEMENT										
This inforn	nation is required for	or Data Products submiss	ions.							
3. INTERNAL NWS USE ONLY YES NO			4. PRODUCT SOURCE NCEP CCS				5. AWIPS DATA TYPE Text (ASCII), GRIB2, BUFR			
6A. NOTIF	FICATION	6B. CHANGE NOTICE I	NUMBER			6C. ISSUE DATE	6D. TEST DATE	6E. IMPLEMENT DATE		
AWIPS										
EMWIN										
NWWS										
7. NODE ID	8. AWIPS ID NNNXXX	9. WMO HEADER 10. ADD 11 REV SI DEL Y/			12. CHAR PER MSG	13. FREQUENCY	14. NWSTG DISTR			
		ent for complete header ar	d product size	ze/projec	tion information					
AWIPS DA	ATA TYPE: ASCII LAVUSA	FOUS11 KWNO	Add	N	3M	Once per hour	SBN/NOAAPORT			
AWIPS DA	ATA TYPE: GRIB2		<sub>I</sub> Auu	IN	JIVI	Once per nour	ODIN/NOMAFOR I			
		LAUxxx KWNO	Add	N	75K/grid	Once per hour	SBN/NOAAPORT			
		LBUxxx KWNO	Add	N	65K/grid	Once per hour	SBN/NOAAPORT			
AWIPS DA	ATA TYPE: BUFR	LICATE A O LOVANIO	1 A al al	LNI	2014	0	Topusios apopt			
		JSMF10 KWNO JSMF11 KWNO	Add Add	N N	20K 400K	Once per hour Once per hour	SBN/NOAAPORT SBN/NOAAPORT			
		JSMF12 KWNO	Add	N	275K	Once per hour	SBN/NOAAPORT			
JSMF13 KWNO			Add	N	700K	Once per hour	SBN/NOAAPORT			
JSMF14 KWNO			Add	N	350K	Once per hour	SBN/NOAAPORT			
JSMF15 KWNO			Add Add	N N	275K 275K	Once per hour Once per hour	SBN/NOAAPORT SBN/NOAAPORT			
JSMF16 KWNO JSMF17 KWNO			Add	N	200K	Once per hour	SBN/NOAAPORT			
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NWSRC Fo	orm 1001 (Rev C, 4	1/1/2005)	Part A -	Page 2 (	Data Products S	Supplement)				

1. WSH TRACKING NUMBER		2. DATE RECEIVED
	1. WSH TRACKING NUMBER	1. WSH TRACKING NUMBER

PART A - DATA PRODUCTS SUPPLEMENT									
This information is required for Data Products submissions.									
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		