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**Department of Defense (DoD)**  
**Agency: Navy**  
**Transition Plan for the 1695-1710 MHz Band**

Primary Point of Contact: Ms. Dru Pontius  
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**Certification regarding Classified and Sensitive Information:**

I, [Name of Responsible Authority], certify that this transition plan, is cleared for release to the public and contains no classified or sensitive information. A separate version containing a complete transition plan including all sensitive data is provided under separate cover via authorized channels.

\_\_\_\_\_  
**Name:**  
**Title:**  
**Organization:**

**CLEARED**  
**For Open Publication**

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Department of Defense  
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

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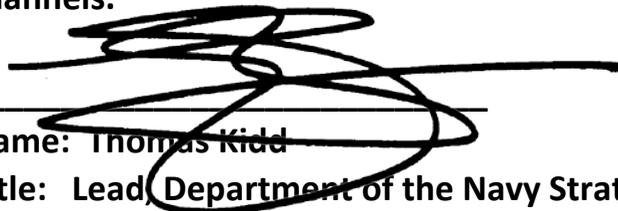
**Department of Defense (DoD)  
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Name: Thomas Kidd

Title: Lead, Department of the Navy Strategic Spectrum

Organization: Office of the Department of the Navy Chief Information Officer

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Tab B: General Information

Classification	1	This Transition Plan includes pre-auction planning costs, as defined in Section O.2 of Annex O:		
(U)		a. Total pre-auction planning costs (\$M):		<b>\$0.270</b>
(U)		b. The subtotal amount, if any, of pre-auction planning costs requested for pre-auction transfer (\$M):		<b>\$0.270</b>
(U)		c. The subtotal amount, if any, of pre-auction planning costs incurred after June 28, 2010, but before February 22, 2012 (\$M):		<b>\$0.000</b>
(U)		d. This organization attests that:		
(U)		[1] To the fullest extent possible, this transition plan provides for sharing and coordination of eligible frequencies with non-federal users, including reasonable accommodation for the use of eligible frequencies by non-federal users during the transition period.	Yes	
(U)		[2] This transition plan provides for non-federal users to be able to use eligible frequencies during the transition period in geographic areas where this organization does not use such frequencies.	Yes	
(U)		[3] During the transition period, this organization will make itself available for negotiation and discussion with non-federal users not later than 30 days after a written request.	Yes	
(U)		[4] During the transition period, this organization will make available to a non-federal user with appropriate security clearances any classified information regarding the relocation process, on a need-to-know basis.	Yes	
(U)		[5] (Only applicable if the amount in 1b above is greater than \$0.00.) Funds transferred before an auction likely allow for timely implementation of relocation or sharing, thereby increasing net expected auction proceeds by an amount not less than the time value of the amount of funds transferred.	Yes	
(U)	2	There is additional information required to be included in the Transition Plan that is not included in this document because it is classified information, as defined in Section O.7 of Annex O.	No	
(U)	3	There is additional information required to be included in the Transition Plan that is not included in this document because it is <u>sensitive</u> information, as defined in Section O.7 of Annex O.	Yes	
(U)	4	a. Name of Responsible Officer:	Ms. Dru Pontius	
(U)		b. (Optional) Office:	Navy Marine Corps Spectrum Center	
(U)		c. (Optional) Telephone Number:	301-225-3843	
(U)		d. (Optional) E-mail:	<a href="mailto:dru.l.pontius@navy.mil">dru.l.pontius@navy.mil</a>	
(U)	5	Total Transition Plan Cost (\$M):		<b>\$76.344</b>

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Tab C: Abstract

Serial Number	Center Freq./ Lower Band Limit (MHz)	Upper Band Limit (MHz) (if appl)	Emission Bandwidth (20 dB) (MHz)	Rx IF Bandwidth (3 dB) (MHz)	Bureau	System Use	System Name	Authorized Area of Operation	TX State	TX Latitude	TX Longitude	RX State	RX Latitude	RX Longitude	Sharing/ Relocation	Alternate Frequency Assignment	Transition Timeline (Months)
N 103498	****		NA	NA	USN	EQ Cal	DON-OTHER	****	VA	****	****	VA	****	****	Indefinite	N/A	12
N 103499	****		NA	NA	USN	EQ Cal	DON-OTHER	****	VA	****	****	VA	****	****	Indefinite	N/A	12
N 103500	****		NA	NA	USN	EQ Cal	DON-OTHER	****	VA	****	****	VA	****	****	Indefinite	N/A	12
C 860054	****		****	****	USN	METSAT	Navy METOC-1	****	SPC	****	****	HI	****	****	Indefinite	N/A	39
C 860054	****		****	****	USN	METSAT	Navy METOC-2	****	SPC	****	****	MS	****	****	Indefinite	N/A	39
C 860054	****		****	****	USN	METSAT	Navy METOC-3	****	SPC	****	****	CA	****	****	Indefinite	N/A	39
C 860054	****		****	****	USMC	METSAT	USMC METOC-1	****	SPC	****	****	AZ	****	****	Indefinite	N/A	39
C 860054	****		****	****	USMC	METSAT	USMC METOC-2	****	SPC	****	****	CA	****	****	Indefinite	N/A	39
C 860055	****		****	****	USN	METSAT	Navy METOC-1	****	SPC	****	****	HI	****	****	Indefinite	N/A	39
C 860055	****		****	****	USN	METSAT	Navy METOC-2	****	SPC	****	****	MS	****	****	Indefinite	N/A	39
C 860055	****		****	****	USN	METSAT	Navy METOC-3	****	SPC	****	****	CA	****	****	Indefinite	N/A	39
C 860055	****		****	****	USMC	METSAT	USMC METOC-1	****	SPC	****	****	AZ	****	****	Indefinite	N/A	39
C 860055	****		****	****	USMC	METSAT	USMC METOC-2	****	SPC	****	****	CA	****	****	Indefinite	N/A	39
C 860056	****		****	****	USN	METSAT	Navy METOC-1	****	SPC	****	****	HI	****	****	Indefinite	N/A	39
C 860056	****		****	****	USN	METSAT	Navy METOC-2	****	SPC	****	****	MS	****	****	Indefinite	N/A	39
C 860056	****		****	****	USN	METSAT	Navy METOC-3	****	SPC	****	****	CA	****	****	Indefinite	N/A	39
C 860056	****		****	****	USMC	METSAT	USMC METOC-1	****	SPC	****	****	AZ	****	****	Indefinite	N/A	39
C 860056	****		****	****	USMC	METSAT	Navy METOC-2	****	SPC	****	****	CA	****	****	Indefinite	N/A	39
N-NSP-1	****		****	****	USN	METSAT	Navy METOC-1	****	SPC	****	****	HI	****	****	Indefinite	N/A	39
N-NSP-2	****		****	****	USN	METSAT	Navy METOC-2	****	SPC	****	****	MS	****	****	Indefinite	N/A	39
N-NSP-3	****		****	****	USN	METSAT	Navy METOC-3	****	SPC	****	****	CA	****	****	Indefinite	N/A	39
C 140549	****		****	****	USN	METSAT	Navy METOC-3	****	SPC	****	****	CA	****	****	Indefinite	N/A	39
C 140552	****		****	****	USN	METSAT	Navy METOC-3	****	SPC	****	****	CA	****	****	Indefinite	N/A	39

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Tab D: Transition Timeline

Serial Number	Geographic Location	Timeline (Months after Transition Start)		
		Temporary Sharing	Indefinite Sharing	Vacate Assignment
N 103498	*****		12	
N 103499	*****		12	
N 103500	*****		12	
C 860054	*****		39	
C 860054	*****		39	
C 860054	*****		39	
C 860054	*****		39	
C 860054	*****		39	
C 860054	*****		39	
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C 860056	*****		39	
C 860056	*****		39	
C 860056	*****		39	
C 860056	*****		39	
C 860056	*****		39	
C 140549	*****		39	
C 140552	*****		39	

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Tab E: Plan and Timeline for using Funds (SRF)

Security Classification	System Name	Releasable System Name	System ID	Total Pre-Auction Costs (\$M)	Pre-Auction Transfer Requested (\$M)	Pre-Auction Costs Incurred between 6-28-2010 and 2-22-2012 (M)	Equipment-Related Costs (\$M)	Deployment-Related Costs (\$M)	Total Cost for System (\$M)	Begin Expenditure of Funds	End Expenditure of Funds	Costs Associated with Expanded Capability	Description of Expanded Capability	Explanation/ Justification
(U)	1695-1710 MHz Portal (ITS)	1695-1710 MHz Portal (ITS)	DON-1					\$2.22	\$ 2.220	1	120			NOAA managed portal development and operation is estimated to cost \$20 million over 10 years. The DoD share of this cost is one-third (\$6.67 million). The Navy/USMC share of the DoD cost is one-third (\$2.22 million).
(U)	1695-1710 MHz Portal (Navy)	1695-1710 MHz Portal (Navy)	DON-2					\$3.17	\$ 3.167	1	120			The Navy/USMC also has additional coordination costs for coordination, analysis results verification, and interface required between site level and industry entities.
(U)	*****	Navy METOC-1	DON-3				\$ 9.755	\$ 8.952	\$ 18.706	1	120			Monitoring Capability
(U)	*****	Navy METOC-2	DON-4				\$ 4.483	\$ 4.787	\$ 9.270	1	120			Monitoring Capability
(U)	*****	Navy METOC-3	DON-5				\$ 4.483	\$ 4.787	\$ 9.270	1	120			Monitoring Capability
(U)	*****	USMC METOC-2	DON-6				\$ 2.323	\$ 3.111	\$ 5.434	1	120			Monitoring Capability
(U)	*****	USMC METOC-1	DON-7				\$ 2.323	\$ 3.111	\$ 5.434	1	120			Monitoring Capability
(U)	Monitoring - Hub	Monitoring - Hub	DON-8				\$ 1.538	\$ 18.170	\$ 19.707	1	120			Monitoring Capability
(U)	DoN HQ Transition Process Management	DoN HQ Transition Process Management	DON-9	0.270	0.270			\$ 2.866	\$ 3.136	1	120			Lead and coordinate spectrum sharing studies, develop support/service contract, allocate, oversee and monitor expenditures and coordinate SRF reports

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Tab F: NTIA Interactions

<b>Interaction required with NTIA to implement this Transition Plan</b>	
1	<p>Federal Communications Commission (FCC) band allocation rules development and adoption. The allocation for and use of this band by non-federal fixed and mobile users will require the development of specific technical rules governing non-federal operations, such that sharing of the band between federal and non-federal users is feasible and jointly successful. The development of these rules does not appear to have been initiated at this time and are expected to be completed some months after the submission of this Transition Plan. These rules must be adopted prior to the auction of the 1695-1710 MHz band such that potential licensees are fully aware of the requirements that they must comply with to begin operations in the band.</p>
2	<p>Development of Coordination Guidelines For Federal Agencies and Industry: Given the fact that most federal operations will still be in the band upon the award of licenses by the FCC and some federal operations will continue indefinitely in the band, specific coordination guidelines must be developed and published by NTIA (for federal agencies) and the FCC (for non-federal licensees). The formal development of these coordination procedures has not yet begun by NTIA and the FCC, but they will be essential to any early entry by licensees as well as for the long term sharing coordination that will be required.</p>

Tab G: Identification of Excluded Classified and Sensitive Information

Serial Number	Description of Classified or Sensitive Information	Reason for Exclusion	Reference
N 103498 N 103499 N 103500	<p>The sensitive information withheld includes the Center Frequency/Lower Band Limit, Authorized Area of Operation, Transmit Latitude and Longitude, and Receiver Latitude and Longitude. This information is currently designated as FOR OFFICIAL USE ONLY and is considered to have a legal basis for nondisclosure and public disclosure of this information would be detrimental to national security. Note: DoD policy and procedures for marking, use, and protection of FOUO information is in the process of migrating to the Controlled Unclassified Information (CUI) program provided under EO 13556. As this time, specific DoD CUI categories are in the process of being registered and will eventually serve as the basis for protection of this type of unclassified information. While additional DoD CUI categories are being considered, the specific DoD CUI categories that the noted FOUO information is expected to transition to include:</p> <ul style="list-style-type: none"> <li>Defense (Material and Munitions): System Name</li> <li>Controlled Technical Information: Center Frequency/Lower Band Limit, Upper Band Limit, Emission Bandwidth, Rx IF Bandwidth</li> <li>Critical Information (Operations Security). Latitude/Longitude, Area of Operation, Alternate Frequency Assignment.</li> </ul>	Sensitive	<p>Executive Order 13556: Controlled Unclassified Information, and</p> <p>DoD Manual 5200.01, DoD Information Security Program: Controlled Unclassified Information, Volume 4, February 24, 2012, and 10 USC §130; Authority to withhold from public disclosure certain technical data</p> <p>DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014</p>

	<b>Factor</b>	<b>Impact on Fulfillment of Transition Plan</b>
1	Spectrum Monitoring Equipment	We cannot implement and execute this transition plan without spectrum monitoring systems at our installations.
2	Incumbent Support	Incumbents will support interference testing to determine feasibility of co-existence and necessary equipment alterations, and they will support as necessary to address interference issues.
3	Follow-on System Schedule and Operational Capability	If NOAA realizes delays or failures in follow-on weather satellite systems, then reliance on legacy GOES and POES systems must be sustained for DoD operations and resource protection.
4	Timeline Conditions	All timelines in this plan are based on the assumption that funding will be received three months after the close of the auction. Should the receipt of funds change, timelines may need to be adjusted accordingly.

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Tab I: Additional Information

METOP	*****
GOES-R	GOES-R HRIT broadcast uses a primary freq of 1694.1 MHz.
GOES-S	GOES-S HRIT broadcast uses a primary freq of 1694.1 MHz.