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DOD\N 1695-1710 (Rev. 0) (Sufficient)

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Approved: 12/23/2015

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<i>Responsible Officer</i>	Elvira	Pearce	Navy Marine Corps Spectrum Center	301-225-3842	elvira.pearce@navy.mi
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DOD\N 1695-1710 (Rev. 0) (Sufficient) - Freq-Geo Transition Timeline

Serial Number	System Name	Center Lower Frequency (MHz)	Upper Frequency (MHz)	Emission Bandwidth (MHz)	Receiver Bandwidth	System Use Type Name	Operation Area	Transmitter State	Transmitter Latitude	Transmitter Longitude
C140549-N-1	Monterey MetSat RCVR (Navy METOC-3)	1694.1		0.586	1.2	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C140552-N-1	Monterey MetSat RCVR (Navy METOC-3)	1694.1		0.586	1.2	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860054-N-1	Pearl Harbor MetSat RCVR (Navy METOC-1)	1698		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860054-N-2	Stennis Space Center MetSat RCVR (Navy METOC-2)	1698		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860054-N-3	Monterey MetSat RCVR (Navy METOC-3)	1698		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860054-N-4	Yuma MetSat RCVR (USMC METOC-1)	1698		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860054-N-5	Twenty-Nine Palms MetSat RCVR (USMC METOC-2)	1698		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860055-N-1	Pearl Harbor MetSat RCVR (Navy METOC-1)	1702.5		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860055-N-2	Stennis Space Center MetSat RCVR (Navy METOC-2)	1702.5		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860055-N-3	Monterey MetSat RCVR (Navy METOC-3)	1702.5		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860055-N-4	Yuma MetSat RCVR (USMC METOC-1)	1702.5		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860055-N-5	Twenty-Nine Palms MetSat RCVR (USMC METOC-2)	1702.5		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860056-N-1	Pearl Harbor MetSat RCVR (Navy METOC-1)	1707		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860056-N-2	Stennis Space Center MetSat RCVR (Navy METOC-2)	1707		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860056-N-3	Monterey MetSat RCVR (Navy METOC-3)	1707		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
C860056-N-4	Yuma MetSat RCVR (USMC METOC-1)	1707		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx

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Serial Number	Receiver State	Receiver Latitude	Receiver Longitude	Alternate Frequency Assignment	Geographic Location associated with Timeline	Sharing Type	Indefinite Sharing Timeline (Months after 1/30/15)	Temporary Sharing Timeline (Months after 1/30/15)	Vacate Assignment Timeline (Months after 1/30/15)
C140549-N-1	CA	363530N	1215113W	N/A	CA Monterey	Indefinite	39		
C140552-N-1	CA	363530N	1215113W	N/A	CA Monterey	Indefinite	39		
C860054-N-1	HI	212145N	1575552W	N/A	HI Hickam AFB - Pearl Harbor	Indefinite	39		
C860054-N-2	MS	302203N	0893637W	N/A	MS Stennis Space Center	Indefinite	39		
C860054-N-3	CA	363530N	1215113W	N/A	CA Monterey	Indefinite	39		
C860054-N-4	AZ	323924N	1143622W	N/A	AZ Yuma	Indefinite	39		
C860054-N-5	CA	341746N	1160944W	N/A	CA Twentynine Palms	Indefinite	39		
C860055-N-1	HI	212145N	1575552W	N/A	HI Hickam AFB - Pearl Harbor	Indefinite	39		
C860055-N-2	MS	302203N	0893637W	N/A	MS Stennis Space Center	Indefinite	39		
C860055-N-3	CA	363530N	1215113W	N/A	CA Monterey	Indefinite	39		
C860055-N-4	AZ	323924N	1143622W	N/A	AZ Yuma	Indefinite	39		
C860055-N-5	CA	341746N	1160944W	N/A	CA Twentynine Palms	Indefinite	39		
C860056-N-1	HI	212145N	1575552W	N/A	HI Hickam AFB - Pearl Harbor	Indefinite	39		
C860056-N-2	MS	302203N	0893637W	N/A	MS Stennis Space Center	Indefinite	39		
C860056-N-3	CA	363530N	1215113W	N/A	CA Monterey	Indefinite	39		
C860056-N-4	AZ	323924N	1143622W	N/A	AZ Yuma	Indefinite	39		

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Serial Number	System Name	Center Lower Frequency (MHz)	Upper Frequency (MHz)	Emission Bandwidth (MHz)	Receiver Bandwidth	System Use Type Name	Operation Area	Transmitter State	Transmitter Latitude	Transmitter Longitude
C860056-N-5	Twenty-Nine Palms MetSat RCVR (USMC METOC-2)	1707		5.34	1.33	MetSat	*****	SPC	xxxxxxx	xxxxxxx
N-NSP-1	Pearl Harbor MetSat RCVR (Navy METOC-1)	*****		*****	*****	MetSat	*****	SPC	*****	*****
N-NSP-2	Stennis Space Center MetSat RCVR (Navy METOC-2)	*****		*****	*****	MetSat	*****	SPC	*****	*****
N-NSP-3	Monterey MetSat RCVR (Navy METOC-3)	*****		*****	*****	MetSat	*****	SPC	*****	*****
N103498	Test & Measurement System	*****		*****	*****	Eq Cal	*****	VA	*****	*****
N103499	Test & Measurement System	*****		*****	*****	Eq Cal	*****	VA	*****	*****
N103500	Test & Measurement System	*****		*****	*****	Eq Cal	*****	VA	*****	*****

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Serial Number	Receiver State	Receiver Latitude	Receiver Longitude	Alternate Frequency Assignment	Geographic Location associated with Timeline	Sharing Type	Indefinite Sharing Timeline (Months after 1/30/15)	Temporary Sharing Timeline (Months after 1/30/15)	Vacate Assignment Timeline (Months after 1/30/15)
C860056-N-5	CA	341746N	1160944W	N/A	CA Twentynine Palms	Indefinite	39		
N-NSP-1	HI	*****	*****	N/A	HI Hickam AFB - Pearl Harbor	Indefinite	39		
N-NSP-2	MS	*****	*****	N/A	MS Stennis Space Center	Indefinite	39		
N-NSP-3	CA	*****	*****	N/A	CA Monterey	Indefinite	39		
N103498	VA	*****	*****	N/A	Ft Story, VA	Indefinite	12		
N103499	VA	*****	*****	N/A	Ft Story, VA	Indefinite	12		
N103500	VA	*****	*****	N/A	Ft Story, VA	Indefinite	12		

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System Name	Total Pre-Auction Cost (\$M)	Pre-Auction Transfer Requested (\$M)	Pre-Auction Cost Pre-2012 (\$M)	Equipment Cost (\$M)	Deployment Cost (\$M)	Total Cost (\$M)	Begin Expenditure Timeline (Months)	End Expenditure Timeline (Months)
1695-1710 MHz Portal (ITS)	0.0000	0.0000	0.0000	0.0000	2.2200	2.2200	1	120
1695-1710 MHz Portal (Navy)	0.0000	0.0000	0.0000	0.0000	3.1670	3.1670	1	120
DoN HQ Transition Process Management	0.2700	0.2700	0.0000	0.0000	2.8660	3.1360	1	120
Monitoring - Hub	0.0000	0.0000	0.0000	1.5375	18.1698	19.7073	1	120
Monterey MetSat RCVR (Navy METOC-3)	0.0000	0.0000	0.0000	4.4830	4.7869	9.2699	1	120
Pearl Harbor MetSat RCVR (Navy METOC-1)	0.0000	0.0000	0.0000	9.7547	8.9517	18.7064	1	120
Stennis Space Center MetSat RCVR (Navy METOC-2)	0.0000	0.0000	0.0000	4.4830	4.7869	9.2699	1	120
Test & Measurement System	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Twenty-Nine Palms MetSat RCVR (USMC METOC-2)	0.0000	0.0000	0.0000	2.3229	3.1111	5.4340	1	120
Yuma MetSat RCVR (USMC METOC-1)	0.0000	0.0000	0.0000	2.3229	3.1111	5.4340	1	120
Total	0.2700	0.2700	0.0000	24.9040	51.1705	76.3445		

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System Name	Expanded Capability Cost (\$M)	Expanded Capability Description	Expanded Capability Justification
1695-1710 MHz Portal (ITS)			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).
1695-1710 MHz Portal (Navy)			The Navy/USMC also has additional coordination costs for coordination, analysis results verification, and interface required between site level and industry entities.
DoN HQ Transition Process Management			Lead and coordinate spectrum sharing studies, develop support/service contract, allocate, oversee and monitor expenditures and coordinate SRF reports
Monitoring - Hub			Monitoring Capability
Monterey MetSat RCVR (Navy METOC-3)			Monitoring Capability
Pearl Harbor MetSat RCVR (Navy METOC-1)			Monitoring Capability
Stennis Space Center MetSat RCVR (Navy METOC-2)			Monitoring Capability
Test & Measurement System			
Twenty-Nine Palms MetSat RCVR (USMC METOC-2)			Monitoring Capability
Yuma MetSat RCVR (USMC METOC-1)			Monitoring Capability
Total	0.0000		

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DOD\N 1695-1710 (Rev. 0) (Sufficient) - Interactions

Interaction Name	Interaction Description
1. Sensitive Information that is not releasable to the public is included in the Transition Plan	Withholding the sensitive information has no impact on fulfillment of this transition plan as the protection areas already identified are inclusive.
2. Spectrum Monitoring Equipment	We cannot implement and execute this transition plan without spectrum monitoring systems at our installations.
3. 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.
4. 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.
5. 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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Factor Name	Factor Description
1. 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.
2. 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.

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Note Name	Note Text
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.
METOP	*****

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Table	Row	Column	Agency Marking	Reference
Frequencies	C140549-N-1	Operation Area	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	C140552-N-1	Operation Area	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	C860054-N-1	Operation Area	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	C860054-N-2	Operation Area	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	C860054-N-3	Operation Area	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014

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Table	Row	Column	Agency Marking	Reference
Frequencies	C860054-N-4	Operation Area	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	C860054-N-5	Operation Area	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	C860055-N-1	Operation Area	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	C860055-N-2	Operation Area	U\\FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	C860055-N-3	Operation Area	U\\FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014

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Frequencies	C860055-N-5	Operation Area	U\\FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	C860056-N-1	Operation Area	U\\FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
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Frequencies	C860056-N-3	Operation Area	U\\FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014

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Frequencies	N103498	Center Lower Frequency	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	N103498	Emission Bandwidth	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	N103498	Operation Area	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014

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Frequencies	N103498	Receiver Latitude	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	N103498	Receiver Longitude	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	N103498	Transmitter Latitude	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	N103498	Transmitter Longitude	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014

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Frequencies	N103500	Center Lower Frequency	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
Frequencies	N103500	Emission Bandwidth	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014

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Frequencies	N103500	Receiver Bandwidth	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
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Frequencies	N-NSP-1	Center Lower Frequency	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014
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Frequencies	N-NSP-2	Center Lower Frequency	U//FOUO	Executive Order 13556: Controlled Unclassified Information, and 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 DoD/CIO letter to Dept of Commerce, Asst Secretary for Communications and Information, February 21, 2014

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