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DOC\NOAA 1695-1710 (Rev. 9) (Sufficient)

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DOC\NOAA 1695-1710 (Rev. 9) (Sufficient) - Freq-Geo Transition Timeline

Serial Number	System Name	Center Lower Frequency (MHz)	Upper Frequency (MHz)	Emission Bandwidth (MHz)	Receiver Bandwidth (MHz)	System Use Type Name	Operation Area	Transmitter State	Transmitter Latitude	Transmitter Longitude	Receiver State	Receiver Latitude	Receiver Longitude	Frequency Remarks	Geographic Location associated with Timeline (AAO in this column indicates the timeline is associated with the geographic location defined by the Authorized Area of Operation in the frequency)	Sharing Type (Indefinite, Temporary i.e. Coordinated, or None)	Temporary Sharing Timeline (Months After 1/31/2015)	Indefinite Sharing Timeline (Months After 1/31/2015)	Vacate Assignment Timeline (Months After 1/31/2015)
C050523-1	WALLOPS ISLAND RCVRS (POES/GOES)	1694.8		0.4	0.4	MetSat	Wallops Island, VA	SPC	xxxxxxx	xxxxxxx	VA	375645N	0752745W	N/A	VA Wallops Island	Indefinite		39	
C050523-2	GREENBELT GOES RCVRS	1694.8		0.4	0.4	MetSat	Greenbelt, MD	SPC	xxxxxxx	xxxxxxx	MD	385955N	0765034W	N/A	MD Suitland-Greenbelt	Indefinite		39	
C050543-1	WALLOPS ISLAND RCVRS (POES/GOES)	1694.8		0.4	0.4	MetSat	Wallops Island, VA	SPC	xxxxxxx	xxxxxxx	VA	375645N	0752745W	N/A	VA Wallops Island	Indefinite		39	
C050543-2	GREENBELT GOES RCVRS	1694.8		0.4	0.4	MetSat	Greenbelt, MD	SPC	xxxxxxx	xxxxxxx	MD	385955N	0765034W	N/A	MD Suitland-Greenbelt	Indefinite		39	
C860054-1	WALLOPS ISLAND RCVRS (POES/GOES)	1698		5.34	5.34	MetSat	Wallops Island, VA	SPC	xxxxxxx	xxxxxxx	VA	375645N	0752745W	N/A	VA Wallops Island	Indefinite		39	
C860054-10	KANSAS CITY POES RCVR	1698		5.34	5.34	MetSat	Kansas City, MO	SPC	xxxxxxx	xxxxxxx	MO	391640N	0943944W	N/A	MO Kansas City	Indefinite		39	
C860054-11	MIAMI NHC POES RCVR	1698		5.34	5.34	MetSat	Miami, FL	SPC	xxxxxxx	xxxxxxx	FL	254416N	0802301W	N/A	FL Miami-Miami (HNC)	Indefinite		39	
C860054-12	Elmendorf AFB-Anchorage POES RCVRS	1698		5.34	5.34	MetSat	Anchorage, AK	SPC	xxxxxxx	xxxxxxx	AK	610928N	1495856W	N/A	AK Elmendorf AFB-Anchorage	Indefinite		39	
C860054-13	Elmendorf AFB-Anchorage POES RCVRS	1698		5.34	5.34	MetSat	Elmendorf AFB, AK	SPC	xxxxxxx	xxxxxxx	AK	611407N	1494929W	N/A	AK Elmendorf AFB-Anchorage	Indefinite		39	
C860054-2	GILMORE CREEK POES RCVR	1698		5.34	5.34	MetSat	Gilmore Creek, AK	SPC	xxxxxxx	xxxxxxx	AK	645844N	1472942W	N/A	AK Fairbanks-Gilmore Creek	Indefinite		39	
C860054-3	MONTEREY POES RCVR	1698		5.34	5.34	MetSat	Monterey, CA	SPC	xxxxxxx	xxxxxxx	CA	363600N	1215400W	N/A	CA Monterey	Indefinite		39	
C860054-4	FAIRBANKS POES RCVR	1698		5.34	5.34	MetSat	Fairbanks, AK	SPC	xxxxxxx	xxxxxxx	AK	644814N	1475234W	N/A	AK Fairbanks-Fairbanks	Indefinite		39	
C860054-5	SUITLAND POES RCVRS	1698		5.34	5.34	MetSat	Suitland, MD	SPC	xxxxxxx	xxxxxxx	MD	385107N	0765612W	N/A	MD Suitland-Suitland	Indefinite		39	
C860054-6	STENNIS SPACE CENTER POES RCVR	1698		5.34	5.34	MetSat	Stennis Space Center, MS	SPC	xxxxxxx	xxxxxxx	MS	302359N	0893559W	N/A	MS Stennis Space Center	Indefinite		39	
C860054-7	MIAMI AOML POES RCVR	1698		5.34	5.34	MetSat	Miami, FL	SPC	xxxxxxx	xxxxxxx	FL	254405N	0800945W	N/A	FL Miami-Miami (OAML)	Indefinite		39	
C860054-8	BARROW POES RCVR	1698		5.34	5.34	MetSat	Barrow, AK	SPC	xxxxxxx	xxxxxxx	AK	711922N	1563641W	N/A	AK Barrow	Indefinite		39	
C860054-9	FORD ISLAND POES RCVR	1698		5.34	5.34	MetSat	Ford Island, HI	SPC	xxxxxxx	xxxxxxx	HI	212212N	1575744W	N/A	HI Hickam AFB-Ford Island	Indefinite		39	
C860055-1	WALLOPS ISLAND RCVRS (POES/GOES)	1702.5		5.34	5.34	MetSat	Wallops Island, VA	SPC	xxxxxxx	xxxxxxx	VA	375645N	0752745W	N/A	VA Wallops Island	Indefinite		39	
C860055-10	KANSAS CITY POES RCVR	1702.5		5.34	5.34	MetSat	Kansas City, MO	SPC	xxxxxxx	xxxxxxx	MO	391640N	0943944W	N/A	MO Kansas City	Indefinite		39	
C860055-11	MIAMI NHC POES RCVR	1702.5		5.34	5.34	MetSat	Miami, FL	SPC	xxxxxxx	xxxxxxx	FL	254416N	0802301W	N/A	FL Miami-Miami (HNC)	Indefinite		39	
C860055-12	Elmendorf AFB-Anchorage POES RCVRS	1702.5		5.34	5.34	MetSat	Anchorage, AK	SPC	xxxxxxx	xxxxxxx	AK	610928N	1495856W	N/A	AK Elmendorf AFB-Anchorage	Indefinite		39	
C860055-13	Elmendorf AFB-Anchorage POES RCVRS	1702.5		5.34	5.34	MetSat	Elmendorf AFB, AK	SPC	xxxxxxx	xxxxxxx	AK	611407N	1494929W	N/A	AK Elmendorf AFB-Anchorage	Indefinite		39	
C860055-2	FAIRBANKS POES RCVR	1702.5		5.34	5.34	MetSat	Fairbanks, AK	SPC	xxxxxxx	xxxxxxx	AK	644814N	1475234W	N/A	AK Fairbanks-Fairbanks	Indefinite		39	
C860055-3	SUITLAND POES RCVRS	1702.5		5.34	5.34	MetSat	Suitland, MD	SPC	xxxxxxx	xxxxxxx	MD	385107N	0765612W	N/A	MD Suitland-Suitland	Indefinite		39	
C860055-4	MIAMI AOML POES RCVR	1702.5		5.34	5.34	MetSat	Miami, FL	SPC	xxxxxxx	xxxxxxx	FL	254405N	0800945W	N/A	FL Miami-Miami (OAML)	Indefinite		39	
C860055-5	GILMORE CREEK POES RCVR	1702.5		5.34	5.34	MetSat	Gilmore Creek, AK	SPC	xxxxxxx	xxxxxxx	AK	645844N	1472942W	N/A	AK Fairbanks-Gilmore Creek	Indefinite		39	
C860055-6	BARROW POES RCVR	1702.5		5.34	5.34	MetSat	Barrow, AK	SPC	xxxxxxx	xxxxxxx	AK	711922N	1563641W	N/A	AK Barrow	Indefinite		39	
C860055-7	MONTEREY POES RCVR	1702.5		5.34	5.34	MetSat	Monterey, CA	SPC	xxxxxxx	xxxxxxx	CA	363600N	1215400W	N/A	CA Monterey	Indefinite		39	
C860055-8	STENNIS SPACE CENTER POES RCVR	1702.5		5.34	5.34	MetSat	Stennis Space Center, MS	SPC	xxxxxxx	xxxxxxx	MS	302359N	0893559W	N/A	MS Stennis Space Center	Indefinite		39	
C860055-9	FORD ISLAND POES RCVR	1702.5		5.34	5.34	MetSat	Ford Island, HI	SPC	xxxxxxx	xxxxxxx	HI	212212N	1575744W	N/A	HI Hickam AFB-Ford Island	Indefinite		39	
C860056-1	WALLOPS ISLAND RCVRS (POES/GOES)	1707	0	5.34	5.34	MetSat	Wallops Island, VA	SPC	xxxxxxx	xxxxxxx	VA	375645N	0752745W	N/A	VA Wallops Island	Indefinite		39	
C860056-10	KANSAS CITY POES RCVR	1707		5.34	5.34	MetSat	Kansas City, MO	SPC	xxxxxxx	xxxxxxx	MO	391640N	0943944W	N/A	MO Kansas City	Indefinite		39	
C860056-11	MIAMI NHC POES RCVR	1707		5.34	5.34	MetSat	Miami, FL	SPC	xxxxxxx	xxxxxxx	FL	254416N	0802301W	N/A	FL Miami-Miami (HNC)	Indefinite		39	
C860056-12	Elmendorf AFB-Anchorage POES RCVRS	1707		5.34	5.34	MetSat	Anchorage, AK	SPC	xxxxxxx	xxxxxxx	AK	610928N	1495856W	N/A	AK Elmendorf AFB-Anchorage	Indefinite		39	
C860056-13	Elmendorf AFB-Anchorage POES RCVRS	1707		5.34	5.34	MetSat	Elmendorf AFB, AK	SPC	xxxxxxx	xxxxxxx	AK	611407N	1494929W	N/A	AK Elmendorf AFB-Anchorage	Indefinite		39	
C860056-2	FAIRBANKS POES RCVR	1707		5.34	5.34	MetSat	Fairbanks, AK	SPC	xxxxxxx	xxxxxxx	AK	644814N	1475234W	N/A	AK Fairbanks	Indefinite		39	
C860056-3	SUITLAND POES RCVRS	1707		5.34	5.34	MetSat	Suitland, MD	SPC	xxxxxxx	xxxxxxx	MD	385107N	0765612W	N/A	MD Suitland-Suitland	Indefinite		39	
C860056-4	MIAMI AOML POES RCVR	1707		5.34	5.34	MetSat	Miami, FL	SPC	xxxxxxx	xxxxxxx	FL	254405N	0800945W	N/A	FL Miami-Miami (OAML)	Indefinite		39	

Serial Number	System Name	Center Lower Frequency (MHz)	Upper Frequency (MHz)	Emission Bandwidth (MHz)	Receiver Bandwidth (MHz)	System Use Type Name	Operation Area	Transmitter State	Transmitter Latitude	Transmitter Longitude	Receiver State	Receiver Latitude	Receiver Longitude	Frequency Remarks	Geographic Location associated with Timeline (AAO in this column indicates the timeline is associated with the geographic location defined by the Authorized Area of Operation in the frequency	Sharing Type (Indefinite, Temporary i.e. Coordinated, or None)	Temporary Sharing Timeline (Months After 1/31/2015)	Indefinite Sharing Timeline (Months After 1/31/2015)	Vacate Assignment Timeline (Months After 1/31/2015)
C860056-5	GILMORE CREEK POES RCVR	1707		5.34	5.34	MetSat	Gilmore Creek, AK	SPC	xxxxxxxx	xxxxxxxx	AK	645844N	1472942W	N/A	AK Fairbanks-Gilmore Creek	Indefinite		39	
C860056-6	BARROW POES RCVR	1707		5.34	5.34	MetSat	Barrow, AK	SPC	xxxxxxxx	xxxxxxxx	AK	711922N	1563641W	N/A	AK Barrow	Indefinite		39	
C860056-7	MONTEREY POES RCVR	1707		5.34	5.34	MetSat	Monterey, CA	SPC	xxxxxxxx	xxxxxxxx	CA	363600N	1215400W	N/A	CA Monterey	Indefinite		39	
C860056-8	STENNIS SPACE CENTER POES RCVR	1707		5.34	5.34	MetSat	Stennis Space Center, MS	SPC	xxxxxxxx	xxxxxxxx	MS	302359N	0893559W	N/A	MS Stennis Space Center	Indefinite		39	
C860056-9	FORD ISLAND POES RCVR	1707		5.34	5.34	MetSat	Ford Island, HI	SPC	xxxxxxxx	xxxxxxxx	HI	212212N	1575744W	N/A	HI Hickam AFB-Ford Island	Indefinite		39	
C940367	WALLOPS ISLAND RCVRS (POES/GOES)	1694.8		0.4	0.4	MetSat	Wallops Island, VA	SPC	xxxxxxxx	xxxxxxxx	VA	375645N	0752745W	N/A	VA Wallops Island	Indefinite		39	
C940368	WALLOPS ISLAND RCVRS (POES/GOES)	1694.8		0.4	0.4	MetSat	Wallops Island, VA	SPC	xxxxxxxx	xxxxxxxx	VA	375645N	0752745W	N/A	VA Wallops Island	Indefinite		39	
C970416	WALLOPS ISLAND RCVRS (POES/GOES)	1694.8		0.4	0.4	MetSat	Wallops Island, VA	SPC	xxxxxxxx	xxxxxxxx	VA	375645N	0752745W	N/A	VA Wallops Island	Indefinite		39	

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System Name	Total Pre-Auction Cost (\$M)	Funds Requested Prior to Auction (\$M)	Transition Implementation Cost (\$M)	Total Cost (\$M)	Begin Expenditure Timeline (Months after Receipt of Funds)	End Expenditure Timeline (Months after Receipt of Funds)	Expanded Capability Cost (\$M)	Expanded Capability Description	Expanded Capability Justification
Barrigada GU RCVR Site	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
BARROW POES RCVR	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
Boulder CO RCVR Site	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
Coordination Portal	0.0000	0.0000	11.0000	11.0000	1	161			The establishment of a Coordination Portal is required for the successful coordination between the AWS Licensee and the DoC/NOAA Spectrum Manager. It will enable the coordination process to be conducted in an orderly manner with electronic records of all transactions/ messages between the licensee and the Agency recorded for future reference.
Elmendorf AFB-Anchorage POES RCVRS	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
FAIRBANKS POES RCVR	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
Fairmont WV RCVR Site	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
FORD ISLAND POES RCVR	0.0000	0.0000	24.8750	24.8750	1	161			Monitoring Capability
GILMORE CREEK POES RCVR	0.0000	0.0000	0.0000	0.0000					Monitoring Capability is included in the costs for Fairbanks.
GOES-R Redesign	3.6900	3.6900	0.0000	3.6900	0	0			Studies and contract modifications required based on redesign to accommodate frequency shift.
GREENBELT GOES RCVRS	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
Guaynabo PR RCVR Site	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
Hub (NSOF)	0.0000	0.0000	52.6080	52.6080	1	161			Monitoring Central Site
KANSAS CITY POES RCVR	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
MIAMI AOML POES RCVR	0.0000	0.0000	14.7540	14.7540	1	161			Monitoring Capability
MIAMI NHC POES RCVR	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
MONTEREY POES RCVR	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
Norman OK RCVR Site	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
Pre-Acquisition/GCs & Fees	0.0000	0.0000	90.7720	90.7720	1	143			Monitoring Capability
Radiosonde Relocation	0.0000	0.0000	86.2390	86.2390	1	161		Provide automation of radiosonde launches	Radiosonde Deconfliction/Relocation -- Radiosondes being relocated to 403 MHz to accommodate GOES spectrum alignment consequential to 1695 band auction. Expanded Capability: Realization of long term savings through realignment in required staffing to support operations
STENNIS SPACE CENTER POES RCVR	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
SUITLAND POES RCVRS	0.0000	0.0000	0.0000	0.0000					Monitoring Capability
WALLOPS ISLAND RCVRS (POES/GOES)	0.0000	0.0000	26.3710	26.3710	1	161			Monitoring Capability
Total	3.6900	3.6900	306.6190	310.3090			0.0000		

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DOC\NOAA 1695-1710 (Rev. 9) (Sufficient) - Interactions

Interaction Name	Interaction Description
1	Coordination relative to tracking receiver-transmitter pairs where other agencies are involved (to ensure all receiver sites by other agencies are taken into account.)
2	Engage ITS to setup coordination portal
3	Faciliate monitoring enforcement should interference above allowable levels occur.
4	Facilitate the successful relocation of the Radiosondes from 1674.5 MHz - 1679.5 MHz to 401-406 MHz. Geosynchronous satellites spectrum use is to be shifted down by 3.4 MHz to facilitate 1695–1710 MHz band re-purposing and provide more protection from RFI from the LTE at 1695 MHz – 1710Mhz
5	To assist in the development and coordination of future sites
6	Facilitate coordination with FCC in developing initial coordination agreements and dealing with enforcement issues relative to band sharing arrangements

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DOC\NOAA 1695-1710 (Rev. 9) (Sufficient) - Impact Factors

Factor Name	Factor Description
Alternate Assignments	Channel assignments for radiosonde channels in the 401-406 MHz band are granted and will deconflict frequency reuse between radiosondes and metsats.
Frequency Sharing Coordination	Ability to validate entities' methodologies for sharing.
Incumbent Support	Incumbents will support interference testing to determine feasibility of co-existence and necessary equipment alterations, and they will support the relocation plan and equipment deployment as necessary to address interference issues.
Regulatory Criteria	Regulatory criteria will provide private sector user incentive to not interfere with Federal stations without jeopardizing NOAA's ability to complete the mission and/or execute its primary mission essential functions.
Technology/Development	Adequate and proper phasing of funds will be required to enable development of capabilities necessary to allow sharing of spectrum in accordance with legislation.

DOC\NOAA 1695-1710 (Rev. 9) (Sufficient) - Notes

Note Name	Note Text
1. Executive Summary	<p>This transition plan identifies all the required actions and costs needed to make the 1695-1710 MHz Band available for auction for shared use with wireless broadband. (1) Pre-auction costs are identified as a result of direction by NTIA and OMB to redesign the GOES-R (including the direct broadcast communications subsystem, ground segment transmitters, receivers, filters and commanding software, and antenna) originally planned for 1697.4 MHz to below 1695 MHz. (2) As a result of the GOES-R redesign, NOAA's radiosondes (balloon-borne instruments for atmospheric measurements) also require changes due to the large number in use. An analysis of options determined the best option is relocating these systems to the 401 - 406 MHz band. (3) In addition to the establishment of protection distances around critical weather satellite receiver locations, DoC plans to install monitoring capabilities at each receiver location to ensure for continuous monitoring of compliance with the interference threshold criteria established and to provide the ability to identify and mitigate any interference experienced. (4) Lastly, DoC supports and is planning on the establishment of a spectrum coordination portal in conjunction with the DoD and DoI to facilitate the successful coordination between the AWS Licensees and federal agencies of sharing arrangements now and into the future. This plan includes costs for a portion (cost-share) of the total cost of this capability. Additional Details are provided below:</p>
2. National Weather Service (NWS) Radiosonde Program	<p>The following provides rationale for cost recovery for the NWS Radiosonde Program. The NWS Radiosondes primarily provide upper air observations. Approximately 75,000 are released yearly from 92 sites in the contiguous U.S., Alaska, the Pacific region and Puerto Rico. Radiosondes currently operate between 1675 MHz – 1683 MHz. Due to the shift in Geosynchronous Satellites to 1679.6-1695, it was determined that NWS radiosonde operations should relocate to 401-406 MHz. A technical solution comprising approximately 25% automated systems and 75% manual systems has been selected as the best alternative for transitioning operations to the 403 MHz band while meeting the needs of the NWS Upper Air Program. The radiosondes are expected to be transitioned out of the 1675-1683 MHz spectrum by December 31, 2022.</p>
2a. Equipment Related Costs total:	\$21.003M
2b. Deployment related Costs total:	\$31.471M
2c. Necessary Support and technical services total cost:	\$25.181M
2d. Fees and reserve totals:	\$2.484M
2e. Grand total cost of Radiosonde network relocation to 403 MHz:	\$80.139M
2f. Additional Notes	<p>The 96 sites include 92 US&P Sites, plus NWSTC, NRC, and Sterling (2). Caribbean are not U.S. RF assignments and already planned for conversion, so no funds requested.</p>

DOC\NOAA 1695-1710 (Rev. 9) (Sufficient) - Notes

Note Name	Note Text
3. Spectrum Monitoring Capability at DOC RX Sites	PROPOSED INTERFERENCE MITIGATION OBJECTIVES
3a.	The carriers and NOAA must be able to mitigate interference to enable operation on TBD sub-bands of 1695-1710 MHz, at some TBD frequency, spatial and temporal separations, in otherwise simultaneous operations, as can be stipulated in a legal sharing agreement.
3b.	NOAA monitors carrier compliance with agreed-upon Interference Protection Criteria (IPC) - related threshold interference levels.
3c.	NOAA specifies how and when interference levels are measured and/or imputed or computed.
3d.	NOAA specifies how and when the carriers are notified of their non-compliance with the IPCs.
3e.	NOAA provides carriers with IPCs to guide control of carrier operating parameters to minimize harmful interference to incumbent NOAA operation.
3f.	NOAA's specification of IPC must protect NOAA downlink requirements (e.g., link quality measures –e.g., BER and/or signal to noise + interference ratios)
3g.	Agreements specify how the carriers would respond to NOAA notices (e.g., by directing the UE's to lower their EIRPs, particularly for those close to the protected earth station).
3h.	Agreements specify the types of interference signals to be detected, measured and identified, means of detection and measurement, discriminants used, and the parties responsible.
3i.	Agreements specify how quickly carriers must respond to NOAA notice of non-compliance.
3j.	Agreements incorporate legal sanctions against carriers for systematic non-compliances.
3k.	DoD and DoI sites will have to incur the cost for purchasing the required hardware and software and installation, training and sustainment costs. Cost of the monitoring capability includes all system engineering, design, development, deployment/installation and maintenance and operations for 3 years after FOC.
4. DoC sites and costs	The total cost for the Monitoring capability/system is estimated to be \$172.872M. The cost of design, development and implementation at each location.
4a.	AK Elmendorf AFB-Anchorage - \$11.464M
4b.	AK Barrow - \$7.194M
4c.	AK Fairbanks - \$12.918 (includes Gilmore Creek)
4d.	CO Boulder - \$6.566M
4e.	HI Hickam AFB-Ford Island - \$7.683M
4f.	WV Fairmont - \$6.296M
4g.	MD Greenbelt - \$3.423M
4h.	FL Miami-Miami (OAML) - \$3.253M
4i.	FL Miami-Miami (HNC) - \$3.386M
4j.	CA Monterey - \$3.520M
4k.	OK Norman - \$3.482M
4l.	MI Stennis Space Center - \$4.867M
4m.	MD Suitland-Suitland - \$15.056M

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Note Name	Note Text
4n.	VA Wallops Island - \$20.351M
4o.	MO Kansas City - \$3.501M
4p.	GU Barrigada - \$15.047M
4q.	PIO Guaynabo -- \$5.202M
4r.	Hub (NSOF) - \$34.128M
5. Spectrum Coordination Portal	The establishment of a Spectrum Coordination Portal is to facilitate the successful coordination between the AWS Licensee and the DoC/NOAA Spectrum Manager. It will enable the coordination process to be conducted in an orderly manner with electronic records of all transactions/messages between the licensee and the Agency recorded for future reference.
5a.	<ul style="list-style-type: none"> The portal will be linked to a tracking database that records all data exchanges between the AWS Licensee and the DoC/NOAA.
5b.	<ul style="list-style-type: none"> The AWS Portal will be accessible to AWS Licensees via a unique login ID and password.
5c.	<ul style="list-style-type: none"> The information exchanged within the portal is viewable only by the AWS submitter on an account basis, the Portal technical team, and other approved Government users.
5d.	Costs associated with the Coordination Portal include the design, development, hardware, software and maintenance/sustainment support for 3 years of development and 3 years of O&M
5e.	Total estimated cost - \$6.6M, DoC costs over the life of the project. This estimate is for the DoC contribution to the Portal. The expectation is that the DoD and DoI will contribute to the effort as well.
5f.	1695-1710 MHz Coordination Portal should be operational by Oct 2015 to begin accepting coordination requests.
Rev 3	This Revision updates the timeline for the expenditure of funds for implementing interference monitoring capability at 17 NOAA earth stations. NOAA requires a commitment by the licensees to a wireless network with stable technical characteristics and a clearly established build-out timeline in order to define and implement the envisioned integrated analysis and monitoring capabilities. This is not yet in place; therefore, execution of the program must be extended to accommodate additional technical interchange activities with licensees. NOAA is extending the timeline for spending funds from 39 months to 56 months at this time, but may need to extend it further once requirements are finalized. This revision does not affect transition of the band to federal-nonfederal shared spectrum IAW US Footnote 88 which was complete as of April 30, 2018. Coordination requests can be received and analyzed to adjudicate requests within regulatory timeframes.
Rev 4	This revision updates the timeline for the expenditure of funds to continue the operations of the Coordination Portal through the anticipated completion of coordination requests, December 2022.

DOC\NOAA 1695-1710 (Rev. 9) (Sufficient) - Notes

Note Name	Note Text
Rev 5	<p>This Revision updates the timeline for the expenditure of funds for implementing interference monitoring capability at 17 NOAA earth stations. NOAA requires a commitment by the licensees to a wireless network with stable technical characteristics and a clearly established build-out timeline in order to define and implement the envisioned integrated analysis and monitoring capabilities. This is not yet in place; therefore, execution of the program must be extended to accommodate additional technical interchange activities with licensees. NOAA is extending the timeline for spending funds from 56 months (3/31/2020) to 104 months (3/31/2024) at this time. This revision does not affect transition of the band to federal-nonfederal shared spectrum IAW US Footnote 88 which was complete as of April 30, 2018. Coordination requests can be received and analyzed to adjudicate requests within regulatory timeframes.</p> <p>In addition, it updates the timeline for the expenditure of funds for the Radiosonde Frequency Migration Project (RFMP). A decision was made to procure commercial off-the-shelf (COTS) systems instead of systems specifically tailored to NWS for the Manual Radiosonde Observing Systems (MROS). Additional time is required for proper installation and staff training. NOAA is extending the timeline for spending funds from 92 months (3/31/2023) to 104 months (3/31/2024) at this time.</p>
Rev 6	<p>This Revision updates the Transition Plan in accordance with 47 U.S.C. §923(h)(6) and memorandum to OMB on March 18, 2022. The updates include additional funds to deploy and operate capabilities for the coordination portal (interference analysis and coordination), interference monitoring, radiosondes migration, and extension for the timeline for spending funds.</p> <p>NOAA requested a funding increase of \$36.5M for the interference monitoring capability and \$4.4M for the coordination portal (interference analysis and coordination). In addition, the timeline for spending funds is extended from 104 months (3/31/2024) to 143 months (6/30/2027).</p> <p>NOAA also requested a funding increase of \$6.1M for the Radiosonde Station Frequency Relocation. In addition, the timeline for spending funds is extended from 104 months (3/31/2024) to 143 months (6/30/2027).</p> <p>This revision does not affect transition of the band to federal-nonfederal shared spectrum in accordance with US Footnote 88, which was complete as of April 30, 2018. Coordination requests can be received and analyzed to adjudicate requests within regulatory timeframes.</p>
Rev. 7	<p>This revision updates the transition implementation cost for two sites: Pre-Acquisition/GC and fees from \$90.680M to \$90.772M and Hub (NSOF) from \$52.70M to \$52.608M</p>
Rev. 8	<p>This revision updates the transition implementation costs for two sites: MIAMI AOML POES RCVR from \$16.250 to \$14.7540 and WALLOPS ISLAND RCVRS (POES/GOES) from \$24.8750 to \$26.3710.</p>

Releasable

DOC\NOAA 1695-1710 (Rev. 9) (Sufficient) - Notes

Note Name	Note Text
Rev. 9	<p>This revision (Rev. 9) updates the timeline for expenditure of funds to extended it by 18 months, from 143 months (6/30/2027) to 161 months (12/31/2028).</p> <p>The extension is required to continue support for coordination with wireless licensees and perform interference monitoring at two locations plus a transportable unit for deployment to a third location, if and when it is required to verify the source and resolve suspected interference. While no additional funds are requested at this time, licensees only just began submitting coordination requests for spectrum sharing in the AWS-3 band. NOAA requires time to establish steady state operations, maintenance, and sustainment costs in order to determine the appropriate out-year budget requirement beyond the expiration of the existing SRF resources. Additionally, the cost-plus-fixed-fee contract for the interference monitoring system requires a Rate Audit, performed by the Defense Contract Management Agency (DCMA). Recent history shows that these audits have been performed up to four years after the Contract Line Item Number (CLIN) closeout. If the cost-plus tasks are closed out next year, NOAA may not receive audit information that would potentially require additional expenditures in late 2028.</p>

Releasable

DOC\NOAA 1695-1710 (Rev. 9) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
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