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DOI\DOI 1695-1710 (Rev. 3) (Sufficient)

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DOI\DOI 1695-1710 (Rev. 3) (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)
C050522-DOI-11	Boise, ID - GOES (RRC BORPNRHA)	1694.5		4	2.2	MetSat	ID Boise	SPC	xxxxxxx	xxxxxxx	ID	433653N	1161508W	N/A	ID Boise	Indefinite		39	
C050522-DOI-13	Guaynabo, PR - GOES (RRC CWSC)	1694.5		4	2.2	MetSat	PR Guaynabo	SPC			PR	182526N	0660650W	N/A	PR Guaynabo	Indefinite		39	
C050522-DOI-15	Knoxville, TN - GOES (RRC TVARFC)	1694.5		4	2.2	MetSat	TN Knoxville	SPC			TN	355758N	0835513W	N/A	TN Knoxville	Indefinite		39	
C050522-DOI-5	Sioux Falls, SD - GOES (RRC EDDN-1)	1694.5		4	2.2	MetSat	SD Sioux Falls	SPC			SD	434406N	0963732W	N/A	SD Sioux Falls	Indefinite		39	
C050523-DOI-10	Boise, ID - GOES (RRC BORPNRHA)	1694.8		4	2.2	MetSat	ID Boise	SPC			ID	433653N	1161508W	N/A	ID Boise	Indefinite		39	
C050523-DOI-12	Guaynabo, PR - GOES (RRC CWSC)	1694.8		4	2.2	MetSat	PR Guaynabo	SPC			PR	182526N	0660650W	N/A	PR Guaynabo	Indefinite		39	
C050523-DOI-14	Knoxville, TN - GOES (RRC TVARFC)	1694.8		4	2.2	MetSat	TN Knoxville	SPC			TN	355758N	0835513W	N/A	TN Knoxville	Indefinite		39	
C050523-DOI-4	Sioux Falls, SD - GOES (RRC EDDN-1)	1694.8		4	2.2	MetSat	SD Sioux Falls	SPC			SD	434406N	0963732W	N/A	SD Sioux Falls	Indefinite		39	
C050542-DOI-7	Sioux Falls, SD - GOES (RRC EDDN-2)	1694.5		4	2.2	MetSat	SD Sioux Falls	SPC			SD	434418N	0963737W	N/A	SD Sioux Falls	Indefinite		39	
C050542-DOI-9	Boise, ID - GOES (RRC NFIC)	1694.5		4	2.2	MetSat	ID Boise	SPC			ID	433403N	1161240W	N/A	ID Boise	Indefinite		39	
C050543-DOI-6	Sioux Falls, SD - GOES (RRC EDDN-2)	1694.8		4	2.2	MetSat	SD Sioux Falls	SPC			SD	434418N	0963737W	N/A	SD Sioux Falls	Indefinite		39	
C050543-DOI-8	Boise, ID - GOES (RRC NFIC)	1694.8		4	2.2	MetSat	ID Boise	SPC			ID	433403N	1161240W	N/A	ID Boise	Indefinite		39	
C860054-DOI-3	Sioux Falls, SD - POES (RRC EROSLRPS)	1698		1.328	1.328	MetSat	SD Sioux Falls	SPC	xxxxxxx	xxxxxxx	SD	433409N	0963733W	N/A	SD Sioux Falls	Indefinite		39	
C860055-DOI-1	Sioux Falls, SD - POES (RRC EROSLRPS)	1702.5		1.328	1.328	MetSat	SD Sioux Falls	SPC	xxxxxxx	xxxxxxx	SD	433409N	0963733W	N/A	SD Sioux Falls	Indefinite		39	
C860056-DOI-2	Sioux Falls, SD - POES (RRC EROSLRPS)	1707		1.328	1.328	MetSat	SD Sioux Falls	SPC	xxxxxxx	xxxxxxx	SD	433409N	0963733W	N/A	SD Sioux Falls	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
Boise, ID - GOES (RRC BORPNRHA)	0.0310	0.0190	12.9690	13.0000	1	144			Boise sites are not co-located.
Boise, ID - GOES (RRC NFIC)	0.0310	0.0190	12.9690	13.0000	1	144			Boise sites are not co-located.
Guaynabo, PR - GOES (RRC CWSC)	0.0310	0.0190	8.1580	8.1890	1	75			Decommission
Knoxville, TN - GOES (RRC TVARFC)	0.0310	0.0190	12.9210	12.9520	1	144			
Sioux Falls, SD - GOES (RRC EDDN-1)	0.0000	0.0000	0.0000	0.0000					Sites colocated -- Costs included under RRC EROSLRPS
Sioux Falls, SD - GOES (RRC EDDN-2)	0.0000	0.0000	0.0000	0.0000					Sites colocated -- Costs included under RRC EROSLRPS
Sioux Falls, SD - POES (RRC EROSLRPS)	0.0310	0.0190	17.6330	17.6640	1	144			
<b>Total</b>	0.1550	0.0950	64.6500	64.8050			0.0000		

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Interaction Name	Interaction Description
1. ITS Coordination Portal	Engage ITS Boulder to setup sharing coordination portal
2. Interference Mitigation	Faciliate enforcement should interference above allowable levels occur at MetSat downlink sites discovered during monitoring.
3. Coordination Procedures	Facilitate coordination with FCC in developing initial coordination agreements and dealing with enforcement issues relative to band sharing arrangements

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Factor Name	Factor Description
1. 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.
2. Frequency Sharing Coordination	Ability to validate entities' methodologies for sharing.
3. Regulatory Criteria	Regulatory criteria will provide private sector user incentive to not interfere with Federal stations without jeopardizing DOI/TVA ability to complete the mission and/or execute its primary mission essential functions.
4. 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.

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Note Name	Note Text
Additional Funding and Expenditure timeline Extension	OMB authorized additional AWS 3 funding in the amount of \$30,476,867. New approved expenditure's funding timeline extension is June 30, 2027.
Executive Summary	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 providers. In the establishment of protection distances around critical DOI and TVA MetSat locations used to receive environmental sensor data, DOI plans to install monitoring capabilities at each of the receiver locations to ensure compliance with the interference threshold criteria established by the FCC and to provide the ability to identify and mitigate any interference experienced from the wireless broadband providers in the shared band. This plan includes 3 years of Operations and Maintenance (O&M) after the monitoring is deployed and supports cost sharing for the compliance monitoring development by DOC/NOAA. DOI also supports and is planning on the establishment of a spectrum coordination portal developed by ITS-Boulder. This portal development is in conjunction with the DOC/NOAA and DOD 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 cost-sharing of the total cost for the portal development and 3 years of O&M.
Extension of Expenditures Request	DOI is requesting a 15 month extension (from 75 months to 90 months) for expenditure of fund to offset the delay in awarding of the RFIMS contract.

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Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
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