

Releasable

TREAS\TREAS 1755-1780 (Rev. 0) (Sufficient)

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TREAS\TREAS 1755-1780 (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
T020185	TIGTA Techops	1765		6	6	Video	USP	USP	xxxxxxx	xxxxxxx
T060040	CI Techops	1760		6	6	Video	USP	USP	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)
T020185	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	USP	None			12
T060040	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	USP	None			12

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TREAS\TREAS 1755-1780 (Rev. 0) (Sufficient) - Funds

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)
CI Techops	0.0000	0.0000	0.0000	6.5210	1.0400	7.5610	6	60
TIGTA Techops	0.0000	0.0000	0.0000	0.1130	0.1280	0.2410	6	12
<b>Total</b>	0.0000	0.0000	0.0000	6.6340	1.1680	7.8020		

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System Name	Expanded Capability Cost (\$M)	Expanded Capability Description	Expanded Capability Justification
CI Techops			Funds required to replace antiquated, analog equipment. The equipment is channelized so is still useable. However, the loss of one frequency cuts down the number of available channels by 33% (1 of 3 available) which diminishes efforts to avoid interference in this very congested band. Procurement of spectrally efficient COFDM equipment will help avoid interference when encountered.
TIGTA Techops			Procurement of replacement digital COFDM microwave equipment and IP-based systems which are more spectrally efficient than the current wideband analog equipment.
<b>Total</b>	0.0000		

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TREAS\TREAS 1755-1780 (Rev. 0) (Sufficient) - Interactions

Interaction Name	Interaction Description
1-Obtaining Replacment Frequencies	Additional frequencies are requested in the S Band (2.2-2.29 GHz) to replace the loss of these frequencies.
2- Availability of Equipment	Potential Delays could occur if there was a lack of available replacement equipment.

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TREAS\TREAS 1755-1780 (Rev. 0) (Sufficient) - Impact Factors

Factor Name	Factor Description
1	In order to execute this plan, it is necessary for NTIA to assign frequencies to IRS-CI in the 2.2 to 2.29 GHz range. IRS-CI currently does not have any frequencies in the S band. IRS-CI will be transistioning its existing L band equipment into more spectrally efficient digital COFDM frequencies in the S Band. Commercial services may no longer be a viable option for most operations due to the removal of the unlimited data plans for federal users. Commercial services may continue to be used on a limited basis for very short-term operations. The majority of the transition plan will rely on vacating the L band and switching to the S Band.

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TREAS\TREAS 1755-1780 (Rev. 0) (Sufficient) - Notes

Note Name	Note Text
Comparable Capability	Although both TIGTA and IRS – CI believe they will be able to vacate the affected frequencies within 12 months of receipt of funding, they both believe it will take up to 5 years (60 months) to reach comparable capability. The reason for this extended time is because the small disguised video transmitter equipment is currently not available and to allow for further advancement in the microwave arena.



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TREAS\TREAS 1755-1780 (Rev. 0) (Sufficient) - Excluded Info

Table	Row	Column	Agency Marking	Reference
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