

Releasable

DOD\DSO 3550-3650 (Rev. 3) (Sufficient)

Submitted: 5/31/2023

Approved: 10/12/2023

	<i>First Name</i>	<i>Last Name</i>	<i>Office/Title</i>	<i>Phone Number</i>
<i>Alternate Contact</i>	Robert	Channas	Defense Spectrum Organization	301-225-3816
<i>Responsible Officer</i>	Josephine (Joy)	Cantalupo	Defense Spectrum Organization	410-919-2827
<i>Primary Contact</i>	Kasey	Pugh	Defense Spectrum Organization	301-225-3803

[Agency's Marking]  
Cells with asterisk are [Agency's Marking]  
[Agency] [Band] [Rev. #] [Plan Status] [Date Exported]

***E-mail***

robert.j.channas.civ@mail.mil

josephine.m.cantalupo.civ@mail.mil

kasey.a.pugh.civ@mail.mil

DOD\DSO 3550-3650 (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

DOD\DSO 3550-3650 (Rev. 3) (Sufficient) - Freq-Geo Transition Timeline

Serial Number	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 8/25/2020)	Indefinite Sharing Timeline (Months After 8/25/2020)

Releasable

DOD\DSO 3550-3650 (Rev. 3) (Sufficient) - Freq-Geo Transition Timeline

Serial Number	Vacate Assignment Timeline (Months After 8/25/2020)

Releasable

DOD\DSO 3550-3650 (Rev. 3) (Sufficient) - Funds

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)
CBRS Sharing Ecosystem Assessment (DISA-3550-2)	0.0000	0.0000	16.5905	16.5905	1	60	0.0000
DoD Interference Management Capability (DISA-3550-3)	0.0000	0.0000	24.6405	24.6405	1	60	0.0000
DoD Spectrum Sharing Team (DISA-3550-1)	0.0000	0.0000	7.1260	7.1260	1	60	0.0000
Sequestration	0.0000	0.0000	0.0000	0.0000			
<b>Total</b>	0.0000	0.0000	48.3570	48.3570			0.0000

Releasable

DOD\DSO 3550-3650 (Rev. 3) (Sufficient) - Funds

<b>System Name</b>	<b>Expanded Capability Description</b>	<b>Expanded Capability Justification</b>
CBRS Sharing Ecosystem Assessment (DISA-3550-2)		
DoD Interference Management Capability (DISA-3550-3)		
DoD Spectrum Sharing Team (DISA-3550-1)		
Sequestration		
<b>Total</b>		

Releasable

DOD\DSO 3550-3650 (Rev. 3) (Sufficient) - Interactions

Interaction Name	Interaction Description
NTIA Interactions	DISA DSO encourages collaboration with NTIA while executing this Transition Plan and sharing the 3550-3650 MHz band.



Releasable

DOD\DSO 3550-3650 (Rev. 3) (Sufficient) - Impact Factors

Factor Name	Factor Description
DoD Sharing Support	The leadership provided by the DISA DSO Strategic Planning Division will enable successful indefinite sharing efforts in the 3550-3650 MHz band. Lack of funding for DISA DSO will hinder the effectiveness of the MILDEP Transition Plans.

DOD\DSO 3550-3650 (Rev. 3) (Sufficient) - Notes

Note Name	Note Text
DISA DSO Executive Summary	<p>To continue the success achieved through the initial development and commercial deployments of shared spectrum access between the Citizens' Broadband Radio Service (CBRS) and the DoD in the 3550-3650 MHz band, DISA DSO will lead three significant activities to include the establishment of a DoD sharing advisory team, execution of a CBRS Sharing Ecosystem Assessment program, and development of an interference prevention, detection, and resolution (IPDR) capability.</p> <p>Fundamental to the DoD's 3550-3650 MHz transition strategy is the establishment of the DISA DSO sharing advisory team that will work with the military departments and DoD CIO to lead the engineering approach for DoD's sharing activities. The DISA DSO sharing advisory team will also be the DoD's representative within the CBRS commercial standards development processes. Having a single focal point for these functions will be critical for the 3550-3650 MHz band due to the complexity of the CBRS ecosystem enabled by Spectrum Access Systems (SASs) and Environmental Sensing Capabilities (ESCs).</p> <p>This complex environment alongside the critical DoD systems operating within the shared 3550-3650 MHz band necessitates a rigorous evaluation of the as-fielded commercial ecosystem. To support that objective, DISA DSO will lead a comprehensive assessment program through the National Advanced Spectrum and Communications Test Network (NASCTN) to prove the viability of permanent sharing between DoD systems and CBRS device (CBSD) deployments established by 47 CFR Part 96 regulations , as managed by SAS and monitored by ESC.</p> <p>The final DISA activity will mitigate the most significant shortfall within the shared spectrum environment in the 3550-3650 MHz band. In pursuit of the DoD's objective to maintain comparable capability and ensure negligible impact to critical national security missions, DISA DSO will develop an IPDR capability for the DoD to resolve interference that may occur as a result of the CBRS deployment. The IPDR will enable negotiation with SASs to quickly identify potential sources of interference and effectively manage user interactions through an intuitive user interface that is responsive to each user's individual requirements. This capability will also incorporate temporal sharing by replacing the existing calendar-based spectrum portal to manage spectrum sharing today at test and training ranges. The new DoD Spectrum Usage Scheduler will provide the basis for a long-term federal solution to facilitate sharing with testing and evaluation of development capabilities and experimental operations at all test and training ranges.</p> <p><del>NTIA will be invited to participate in the development and implementation phases of the IPDR capability. The Spectrum National</del></p>
NTIA Collaboration	<p>NTIA will be invited to participate in the execution of the efforts funded by this transition plan. Data, analysis, software capabilities (including source code), reports, and other products resulting from the activities funded by the DoD Transition Plans can and will be shared with NTIA.</p>
Rev. 3	<p>Updated Responsible Officer from Kevin Laughlin to Josephine (Joy) Cantalupo. No other changes were made.</p>

DOD\DSO 3550-3650 (Rev. 3) (Sufficient) - Notes

Note Name	Note Text
Sharing Costs	<p>All requested funding in the DoD Transition Plans is an allowable use of the Spectrum Relocation Fund for the 3550-3650 MHz band. DoD is entitled to full protection as the incumbent under the CBRS sharing rules and is currently incurring sharing costs in connection with the auction of 3550-3650 MHz Priority Access Licenses (PAL). The transition activities are required to maintain comparable capability in terms of risk of interference and DoD's ability to address any interference that may occur, at least equivalent to the risk and ability to mitigate interference as before the Citizens Broadband Radio Service (CBRS) sharing arrangement and PAL auction.</p> <p>Prior to the sharing arrangement, the DoD was able to effectively operate all of its spectrum dependent systems in the 3550-3650 MHz band. DoD's implementation of an indefinite sharing arrangement with new uses and users in the 3550-3650 MHz band inevitably involves the sharing costs as identified in 47 U.S.C. §923(g)(3). To ensure comparable operations and capabilities, DoD is and will continue to incur costs to mitigate against harmful interference to its protected operations.</p> <p>The proposed activities are required to ensure DoD incumbent operations are protected. Any expanded capabilities are incidental to establishing the core capability that is needed for sharing the 3550-3650 MHz band with CBRS.</p>

Releasable

DOD\DSO 3550-3650 (Rev. 3) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
-------	-----	--------	--------------	---