

Releasable

DHS\DHS 1755-1780 (Rev. 3) (Sufficient)

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DHS\DHS 1755-1780 (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)
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 83	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 13	Coordinated	12		30
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 67	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 128	Coordinated	12		42
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 33	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 140	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 141	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 75	Coordinated	12		42
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 144	Coordinated	12		42
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 92	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 69	Coordinated	12		42
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 175	Coordinated	12		42
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 35	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 25	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 26	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 81	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 22	Coordinated	12		42
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 136	Coordinated	12		42
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 23	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 151	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 130	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 161	Coordinated	12		30
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 122	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 49	Coordinated	12		30
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 38	Coordinated	12		42
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 132	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 124	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 82	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 39	Coordinated	12		42
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 121	Coordinated	12		42
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 85	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 107	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 44	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 41	Coordinated	12		36
DHS070652	Video 1	1773		6	6	Video	USP	USP	xxxxxxx	xxxxxxx	USP	xxxxxxx	xxxxxxx	2200-2290 MHz	EA 27	Coordinated	12		42
DHS125903	Brownsville Station	1780		5	5	Video	TX	TX	255131N	0972553W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125904	Brownsville Station	1780		5	5	Video	TX	TX	255147N	0972633W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125905	Brownsville Station	1780		5	5	Video	TX	TX	255227N	0972651W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125906	Brownsville Station	1780		5	5	Video	TX	TX	255259N	0972702W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125907	Brownsville Station	1780		5	5	Video	TX	TX	255333N	0972738W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125908	Brownsville Station	1780		5	5	Video	TX	TX	255326N	0972807W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125909	Brownsville Station	1780		5	5	Video	TX	TX	255314N	0972944W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125910	Brownsville Station	1780		5	5	Video	TX	TX	255331N	0972943W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125911	Brownsville Station	1780		5	5	Video	TX	TX	255408N	0973011W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125912	Brownsville Station	1780		5	5	Video	TX	TX	255320N	0973037W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125913	Brownsville Station	1780		5	5	Video	TX	TX	255421N	0973124W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125914	Brownsville Station	1780		5	5	Video	TX	TX	255440N	0973120W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125915	Brownsville Station	1780		5	5	Video	TX	TX	255507N	0973144W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125916	Brownsville Station	1780		5	5	Video	TX	TX	255551N	0973201W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125917	Brownsville Station	1780		5	5	Video	TX	TX	255606N	0973235W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125918	Brownsville Station	1780		5	5	Video	TX	TX	255653N	0973338W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125919	Brownsville Station	1780		5	5	Video	TX	TX	255652N	0973355W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125920	Brownsville Station	1780		5	5	Video	TX	TX	255739N	0973436W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125921	Brownsville Station	1780		5	5	Video	TX	TX	255750N	0973513W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125922	Brownsville Station	1780		5	5	Video	TX	TX	255823N	0973602W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS125923	Brownsville Station	1780		5	5	Video	TX	TX	255328N	0972835W	TX	260114N	0973025W	1780-1850 MHz	TX	Coordinated	12		36
DHS142081	CBP Microwave	1757		3.75	3.75	Microwave	Microwave Link	NM	315147N	1062926W	NM	314915N	1064159W	7125-8500 MHz	NM	Coordinated	12		36

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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
Brownsville Station	0.6730	0.6730	4.7370	5.4100	0	149	0.0000	N/A	Reprogram video surveillance system
CBP Microwave	0.6730	0.6730	3.5960	4.2690	0	149	0.0000	N/A	Relocated single TX RX pair in microwave back haul system
HQ Project Management	9.8640	9.8640	16.4110	26.2750	0	149	0.0000	N/A	DHS HQ project management/ oversight
Video 1	16.3670	16.3670	249.8760	266.2430	0	149	14.3000	Commercial wired network connectivity for RF mesh or alternative RF technologies to interface with video management systems. Provides for additional connectivity during transition to RF mesh or alternative RF technology networks	Deployment of Major city law enforcement video surveillance system
Video 2	14.2770	14.2770	163.8750	178.1520	0	149	10.4000	Commercial wired network connectivity for RF mesh or alternative RF technologies to interface with video management systems. Provides for additional connectivity during transition to RF mesh or alternative RF technology networks	Deployment of Major city law enforcement video surveillance system
Video 3	0.0000	0.0000	3.5760	3.5760	0	149	0.0000	NA	Obtain equipment used by Federal agencies for training purposes
Video 4 OIG	1.1280	1.1280	5.0920	6.2200	0	149	0.0000	NA	Equipment for OIG to conduct internal investigations
Total	42.9820	42.9820	447.1630	490.1450			24.7000		

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Interaction Name	Interaction Description
1. Data Validation	Coordination is required to verify GMF data.
2. Alt Frequency Assignments	Interactions are required to determine the best option from various alternate frequency assignment choices and to obtain formal approval of new frequency assignments prior to beginning of transition period.

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Factor Name	Factor Description
1. Funding	Pre-auction funds are provided for technological development of capabilities necessary to relocate into alternative frequency bands.
2. Alternate Assignments	Channel assignments for digital video specific channels in the 1675-1695 MHz, 1785-1850, and 2200-2290 MHz bands are granted and will diminish potential interference issues.
3. Frequency Coordination	Channel assignments are coordinated across the Federal law enforcement community to diminish the potential for interference with a Federal-wide band plan developed.
4. Technology Development	The necessary development of technologies and devices to support overall surveillance operation relocation will progress to align with transition schedule needs.
5. Regulatory Criteria	Regulatory criteria will support relocated operations in the alternate bands and policy or legislative changes will be made to ensure adequate priority for surveillance operations in the selected bands.
6. Fed Agency Incumbent Spt	If necessary, the 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. As operations move to other spectrum such as 2200-2290 MHz band there is a potential for interference with incumbent operations which may result in the need for testing of devices to determine means for co-existence. To support this testing the need may arise for agencies to provide equipment for testing at an various locations including independent lab such as ITS boulder. It is not envision that the incumbents would be required to share the testing cost beyond providing the equipment for testing.
7. Commercial Carrier Coord	Commercial carriers will coordinate with the Department to minimize mutual interference prior to the department vacating the band as outlined in transition timelines in this plan.

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Note Name	Note Text
1. Executive Summary - 1	<p>The Department of Homeland Security (DHS) remains committed to supporting the President’s Spectrum Initiative and has developed this plan as follow-on to the September 2011 report assessing of the Viability of Accommodating Wireless Broadband in the 1755-1850 MHz Band. As noted in the 2011 report, the Department and components use the spectrum being vacated for two primary missions, 1: video surveillance in support of Federal law enforcement operations at Immigration and Customs Enforcement, the US Secret Service, the DHS Office of Inspector General and the Federal Law Enforcement Training facility (training purposes only) and 2: microwave data links connecting remote Customs and Border protection offices.</p>
1. Executive Summary 2	<p>For the video surveillance operations, the Department will utilize spectrum currently assigned in the 2200-2290 MHz, 4400-4940 MHz, and on a limited basis spectrum in the 1780-1850 MHz band. Utilization of existing spectrum in the 2200-2290 and 4400-4940 MHz bands currently shared by other federal law enforcement agencies will allow for increased interoperability of technologies. Operations requiring deep building penetration will be relocated to spectrum favorable to building penetration, e.g. 2200-2290 MHz, and operations with less stringent building penetration requirements will be shifted to the 4400-4940 MHz bands. The strategy of relocating to multiple bands aligns with operational needs and affords the opportunity to mitigate risks associated with relocating to a single candidate band. In addition relocating to spectrum where DHS and other law enforcement agencies currently operate will allow for increased sharing of equipment and technologies. Key to this strategy is the deployment of spectrally efficient digital mesh technologies that allow operations to fit within reduced overall spectrum. The use of digital mesh technologies provide for increased spectrum reuse with a reduced total spectral footprint and thus increase the number of potential uses within a given frequency channel. For the microwave data links, the Department will continue its migration of systems to the 7-8 GHz band. This approach allows for rapid integration into the systems that were migrated as part of the earlier 1710-1755 MHz exit.</p>
1. Executive Summary 3	<p>The 2011 report the Department’s estimate to vacate the 1755-1780 MHz portion of the 1755-1850 MHz band was ~\$564M. Since the time of the report DHS has worked closely with the Office of Management and Budget, the Department of Justice, the National Telecommunications and Information Administration in developing this plan and preparing for the exit of the 1755-1780 MHz band. As a result of the close working relationship, the Department’s cost estimate has been reduced by ~\$74M, a substantial cost savings. To achieve this cost savings, the Department’s strategy consolidates the management of the video operations migration to mesh technologies utilizing an integrated project team with representation from the affected entities, reducing duplication of project management functions. This approach takes into consideration the operational aspects of critical mission capabilities as we migrate to spectrum efficient technologies that are interoperable and sharable with other Federal law enforcement agencies.</p>

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Note Name	Note Text
2. Funds Distribution	<p>To successfully execute this plan the following distribution of funds is requested: Costs are identified in the following order: Pre-Auction Costs Incurred between 6-28-2010 and 2-22-2012(\$M); Pre-Auction Transfer Requested (\$M); Equipment and Deployment Related Costs (\$M); Total</p> <p>DHS HQ CIO: \$2,983,665; \$27,101,753; \$245,423,154; \$275,508,572 ICE HSI: \$0; \$6,256,000; \$135,369,225; \$141,625,225 USSS TSD: \$0; \$4,166,000; \$49,368,080; \$53,534,080 FLTC: \$0; \$0; \$3,576,051; \$3,576,051 DHS OIG: \$0; \$1,128,000; \$5,092,051; \$6,220,051 CBP: \$0; \$1,346,000; \$8,332,034; \$9,678,034 Total: \$2,983,665; \$39,997,753; \$447,160,594; \$490,142,012</p> <p>The strategy allows the Department to make available the 1755-1780 MHz spectrum to commercial entities within five years of funding with a more rapid exit of spectrum in priority areas identified by the commercial carries in the CSMAC WG2 report. In addition, the strategy prepares the Department to respond rapidly when and if additional spectrum in the 1780-1850 MHz range is requested.</p>
3. Paired Assignments	<p>For the CBP assignments the following assignments are paired:</p> <p>DHS 027456 DHS 027467; DHS 125903 DHS 125902; DHS 125904 DHS 125902; DHS 125905 DHS 125902; DHS 125906 DHS 125902; DHS 125907 DHS 125902; DHS 125908 DHS 125902; DHS 125909 DHS 125902; DHS 125910 DHS 125902; DHS 125911 DHS 125902; DHS 125912 DHS 125902; DHS 125913 DHS 125902; DHS 125914 DHS 125902; DHS 125915 DHS 125902; DHS 125916 DHS 125902; DHS 125917 DHS 125902; DHS 125918 DHS 125902; DHS 125919 DHS 125902; DHS 125920 DHS 125902; DHS 125921 DHS 125902; DHS 125922 DHS 125902; DHS 125923 DHS 125902; DHS 142081 DHS 142080</p>

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Note Name	Note Text
4A. USP Time to Vacate by Economic Area	<p>[EAs 1-50] Ranking--Economic Area (EA Name)--Time to Vacate EA in Months--Associated Major Economic Area (MEA Name): 1 10 (NYC-Long Is. NY-NJ-CT-PA-MA-VT) 30 2 (New York City) 2 160 (LA-Riverside-Orange Cnty CA-AZ) 30 44 (Los Angeles-San Diego) 3 64 (Chicago-Gary-Kenosha IL-IN-WI) 30 18 (Chicago) 4 131 (Houston-Galveston-Brazoria TX) 30 31 (Houston) 5 31 (Miami-Fort Lauderdale FL) 30 11 (Miami) 6 163 (San Fran.-Oakland-San Jose CA) 30 43 (San Francisco-Oakland-San Jose) 7 158 (Phoenix-Mesa AZ-NM) 30 40 (Phoenix) 8 127 (Dallas-Fort Worth TX-AR-OK) 30 32 (Dallas-Fort Worth) 9 12 (Phil.-Atl. City PA-NJ-DE-MD) 30 4 (Philadelphia) 10 161 (San Diego CA) 30 44 (Los Angeles-San Diego) 11 57 (Detroit-Ann Arbor-Flint MI) 30 16 (Detroit) 12 3 (Boston-Worcester MA-NH-RI-VT) 30 1 (Northeast) 12 3 (Boston-Worcester MA-NH-RI-VT) 30 1 (Northeast) 13 55 (Cleveland-Akron OH-PA) 30 15 (Cleveland) 14 30 (Orlando FL) 30 10 (Tampa-St. Petersburg-Orlando) 15 13 (Wash.-Balt. DC-MD-VA-WV-PA) 30 5 (Washington) 16 170 (Seattle-Tacoma-Bremerton WA) 30 46 (Seattle) 17 34 (Tampa-St. Petersburg FL) 30 10 (Tampa-St. Petersburg-Orlando) 18 49 (Cincinnati-Hamilton OH-KY-IN) 30 13 (Cincinnati-Dayton) 19 40 (Atlanta GA-AL-NC) 30 8 (Atlanta) 20 53 (Pittsburgh PA-WV) 30 12 (Pittsburgh) 21 134 (San Antonio TX) 36 38 (San Antonio) 22 96 (St. Louis MO-IL) 36 30 (St. Louis) 23 67 (Indianapolis IN-IL) 36 19 (Indianapolis) 24 23 (Charlotte-Gastonia NC-SC) 36 7 (Charlotte-Greensboro-Greenville-Raleigh) 25 63 (Milwaukee-Racine WI) 36 17 (Milwaukee) 26 152 (Salt Lake City-Ogden UT-ID) 36 42 (Salt Lake City) 27 107 (Minneapolis-St. Paul MN-WI-IA) 36 20 (Minneapolis-St. Paul) 28 130 (Austin-San Marcos TX) 36 32 (Dallas-Fort Worth) 28 130 (Austin-San Marcos TX) 36 33 (Dallas-Fort Worth) 29 83 (New Orleans LA-MS) 36 27 (New Orleans-Baton Rouge) 30 19 (Raleigh-Durham-Chapel Hill NC) 36 7 (Charlotte-Greensboro-Greenville-Raleigh) 31 141 (Denver-Boulder CO-KS-NE) 36 33 (Denver) 32 153 (Las Vegas NV-AZ-UT) 36 44 (Los Angeles-San Diego) 33 51 (Columbus OH) 36 14 (Columbus) 34 29 (Jacksonville FL-GA) 36 9 (Jacksonville) 35 162 (Fresno CA) 36 43 (San Francisco-Oakland-San Jose) 36 133 (McAllen-Edinburg-Mission TX) 36 38 (San Antonio) 37 172 (Honolulu HI) 36 48 (Hawaii) 38 164 (Sacramento-Yolo CA) 36 43 (San Francisco-Oakland-San Jose) 39 125 (Oklahoma City OK) 36 37 (Oklahoma City) 40 73 (Memphis TN-AR-MS-KY) 36 26 (Memphis-Jackson) 41 70 (Louisville KY-IN) 36 23 (Louisville-Lexington-Evansville) 42 71 (Nashville TN-KY) 36 25 (Nashville) 43 99 (Kansas City MO-KS) 36 29 (Kansas City) 44 20 (Norfolk-Virginia Beach VA-NC) 36 6 (Richmond) 45 167 (Portland-Salem OR-WA) 36 45 (Portland) 46 8 (Buffalo-Niagara Falls NY-PA) 36 3 (Buffalo) 47 78 (Birmingham AL) 36 24 (Birmingham) 48 174 (Puerto Rico-US Virgin Islands) 36 50 (Puerto Rico and U.S. Virgin Islands) 49 18 (Greensboro-Winston-Salem NC-VA) 36 7 (Charlotte-Greensboro-Greenville-Raleigh) 50 32 (Fort Myers-Cape Coral FL) 36 11 (Miami)</p>

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Note Name	Note Text
<p>4B. USP Time to Vacate by Economic Area</p>	<p>[EAs 51-100] Ranking--Economic Area (EA Name)--Time to Vacate EA in Months--Associated Major Economic Area (MEA Name): 51 50 (Dayton-Springfield OH) 36 13 (Cincinnati-Dayton) 52 159 (Tucson AZ) 36 40 (Phoenix) 53 33 (Sarasota-Bradenton FL) 36 10 (Tampa-St. Petersburg-Orlando) 54 118 (Omaha NE-IA-MO) 36 34 (Omaha) 55 84 (Baton Rouge LA-MS) 36 27 (New Orleans-Baton Rouge) 56 15 (Richmond-Petersburg VA) 36 6 (Richmond) 57 41 (Greenville-Spartanburg SC-NC) 36 7 (Charlotte-Greensboro-Greenville-Raleigh) 58 7 (Rochester NY-PA) 36 2 (New York City) 59 157 (El Paso TX-NM) 36 39 (El Paso-Albuquerque) 60 124 (Tulsa OK-KS) 36 36 (Tulsa) 61 104 (Madison WI-IL-IA) 36 17 (Milwaukee) 62 150 (Boise City ID-OR) 36 42 (Salt Lake City) 63 24 (Columbia SC) 36 7 (Charlotte-Greensboro-Greenville-Raleigh) 64 90 (Little Rock AR) 36 28 (Little Rock) 65 26 (Charleston-North Charleston SC) 36 7 (Charlotte-Greensboro-Greenville-Raleigh) 66 44 (Knoxville TN) 36 22 (Knoxville) 67 122 (Wichita KS-OK) 36 35 (Wichita) 68 119 (Lincoln NE) 36 34 (Omaha) 69 156 (Albuquerque NM-AZ) 36 39 (El Paso-Albuquerque) 70 6 (Syracuse NY-PA) 36 2 (New York City) 70 6 (Syracuse NY-PA) 36 3 (New York City) 71 56 (Toledo OH) 36 16 (Detroit) 72 100 (Des Moines IA-IL-MO) 36 21 (Des Moines-Quad Cities) 73 25 (Wilmington NC-SC) 36 7 (Charlotte-Greensboro-Greenville-Raleigh) 74 77 (Jackson MS-AL-LA) 36 26 (Memphis-Jackson) 75 81 (Pensacola FL) 36 27 (New Orleans-Baton Rouge) 76 5 (Albany-Schenectady-Troy NY) 36 2 (New York City) 77 151 (Reno NV-CA) 36 43 (San Francisco-Oakland-San Jose) 78 59 (Green Bay WI-MI) 36 17 (Milwaukee) 79 62 (Grand Rapids-Muskegon MI) 36 16 (Detroit) 80 85 (Lafayette LA) 36 27 (New Orleans-Baton Rouge) 81 80 (Mobile AL) 36 27 (New Orleans-Baton Rouge) 82 166 (Eugene-Springfield OR-CA) 36 45 (Portland) 83 97 (Springfield IL-MO) 36 18 (Chicago) 84 132 (Corpus Christi TX) 36 38 (San Antonio) 85 21 (Greenville NC) 36 7 (Charlotte-Greensboro-Greenville-Raleigh) 86 68 (Champaign-Urbana IL) 36 18 (Chicago) 87 11 (Harrisburg-Lebanon-Carlisle PA) 36 4 (Philadelphia) 88 94 (Springfield MO) 36 30 (St. Louis) 89 35 (Tallahassee FL-GA) 36 9 (Jacksonville) 90 92 (Fayetteville AR-MO-OK) 36 28 (Little Rock) 91 28 (Savannah GA-SC) 36 8 (Atlanta) 92 98 (Columbia MO) 36 30 (St. Louis) 93 74 (Huntsville AL-TN) 36 24 (Birmingham) 94 66 (Fort Wayne IN) 36 18 (Chicago) 95 82 (Biloxi-Gulfport-Pascagoula MS) 36 27 (New Orleans-Baton Rouge) 96 140 (Pueblo CO-NM) 36 33 (Denver) 97 43 (Chattanooga TN-GA) 42 8 (Atlanta) 98 88 (Shreveport-Bossier City LA-AR) 42 32 (Dallas-Fort Worth) 99 65 (Elkhart-Goshen IN-MI) 42 18 (Chicago) 100 69 (Evansville-Henderson IN-KY-IL) 42 23 (Louisville-Lexington-Evansville)</p>

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Note Name	Note Text
<p>4C. USP Time to Vacate by Economic Area</p>	<p>[EAs 101-150] Ranking--Economic Area (EA Name)--Time to Vacate EA in Months--Associated Major Economic Area (MEA Name): 101 2 (Portland ME) 42 1 (Northeast) 102 4 (Burlington VT-NY) 42 2 (New York City) 103 22 (Fayetteville NC) 42 7 (Charlotte-Greensboro-Greenville-Raleigh) 104 87 (Beaumont-Port Arthur TX) 42 31 (Houston) 105 60 (Appleton-Oshkosh-Neenah WI) 42 17 (Milwaukee) 106 39 (Columbus GA-AL) 42 8 (Atlanta) 107 93 (Joplin MO-KS-OK) 42 29 (Kansas City) 108 139 (Santa Fe NM) 42 39 (El Paso-Albuquerque) 109 147 (Spokane WA-ID) 42 41 (Spokane-Billings) 110 135 (Odessa-Midland TX) 42 32 (Dallas-Fort Worth) 111 89 (Monroe LA) 42 32 (Dallas-Fort Worth) 112 27 (Augusta-Aiken GA-SC) 42 8 (Atlanta) 113 101 (Peoria-Pekin IL) 42 18 (Chicago) 114 79 (Montgomery AL) 42 24 (Birmingham) 115 42 (Asheville NC) 42 7 (Charlotte-Greensboro-Greenville-Raleigh) 116 47 (Lexington KY-TN-VA-WV) 42 23 (Louisville-Lexington-Evansville) 117 46 (Hickory-Morganton NC-TN) 42 7 (Charlotte-Greensboro-Greenville-Raleigh) 118 136 (Hobbs NM-TX) 42 39 (El Paso-Albuquerque) 119 154 (Flagstaff AZ-UT) 42 40 (Phoenix) 120 137 (Lubbock TX) 42 32 (Dallas-Fort Worth) 121 54 (Erie PA) 42 15 (Cleveland) 122 14 (Salisbury MD-DE-VA) 42 5 (Washington) 123 38 (Macon GA) 42 8 (Atlanta) 124 86 (Lake Charles LA) 42 31 (Houston) 125 129 (San Angelo TX) 42 32 (Dallas-Fort Worth) 126 148 (Idaho Falls ID-WY) 42 42 (Salt Lake City) 127 1 (Bangor ME) 42 1 (Northeast) 128 123 (Topeka KS) 42 29 (Kansas City) 129 103 (Cedar Rapids IA) 42 21 (Des Moines-Quad Cities) 130 106 (Rochester MN-IA-WI) 42 20 (Minneapolis-St. Paul) 131 105 (La Crosse WI-MN) 42 17 (Milwaukee) 132 138 (Amarillo TX-NM) 42 32 (Dallas-Fort Worth) 133 165 (Redding CA-OR) 42 43 (San Francisco-Oakland-San Jose) 134 45 (Johnson City-Kingsport TN-VA) 42 22 (Knoxville) 135 36 (Dothan AL-FL-GA) 42 24 (Birmingham) 136 9 (State College PA) 42 12 (Pittsburgh) 137 37 (Albany GA) 42 8 (Atlanta) 138 17 (Roanoke VA-NC-WV) 42 6 (Richmond) 139 169 (Richland-Kennewick-Pasco WA) 42 46 (Seattle) 140 75 (Tupelo MS-AL-TN) 42 26 (Memphis-Jackson) 141 61 (Traverse City MI) 42 16 (Detroit) 142 91 (Fort Smith AR-OK) 42 28 (Little Rock) 143 109 (Duluth-Superior MN-WI) 42 20 (Minneapolis-St. Paul) 144 128 (Abilene TX) 42 32 (Dallas-Fort Worth) 145 76 (Greenville MS) 42 26 (Memphis-Jackson) 146 143 (Casper WY-ID-UT) 42 33 (Denver) 147 149 (Twin Falls ID) 42 42 (Salt Lake City) 148 126 (Western Oklahoma OK) 42 37 (Oklahoma City) 149 16 (Staunton VA-WV) 42 6 (Richmond) 150 48 (Charleston WV-KY-OH) 42 13 (Cincinnati-Dayton)</p>
<p>4D. USP Time to Vacate by Economic Area</p>	<p>[EAs 151-176] Ranking--Economic Area (EA Name)--Time to Vacate EA in Months--Associated Major Economic Area (MEA Name): 151 116 (Sioux Falls SD-IA-MN-NE) 42 20 (Minneapolis-St. Paul) 152 113 (Fargo-Moorhead ND-MN) 42 20 (Minneapolis-St. Paul) 153 95 (Jonesboro AR-MO) 42 28 (Little Rock) 154 108 (Wausau WI) 42 17 (Milwaukee) 155 102 (Davenport-Moline IA-IL) 42 21 (Des Moines-Quad Cities) 156 142 (Scottsbluff NE-WY) 42 33 (Denver) 157 52 (Wheeling WV-OH) 42 12 (Pittsburgh) 158 144 (Billings MT-WY) 42 41 (Spokane-Billings) 159 168 (Pendleton OR-WA) 42 41 (Spokane-Billings) 160 115 (Rapid City SD-MT-NE-ND) 42 33 (Denver) 161 110 (Grand Forks ND-MN) 42 20 (Minneapolis-St. Paul) 162 117 (Sioux City IA-NE-SD) 42 21 (Des Moines-Quad Cities) 163 155 (Farmington NM-CO) 42 39 (El Paso-Albuquerque) 164 112 (Bismarck ND-MT-SD) 42 20 (Minneapolis-St. Paul) 165 72 (Paducah KY-IL) 42 23 (Louisville-Lexington-Evansville) 166 171 (Anchorage AK) 42 47 (Alaska) 167 120 (Grand Island NE) 42 34 (Omaha) 168 146 (Missoula MT) 42 41 (Spokane-Billings) 169 58 (Northern Michigan MI) 42 16 (Detroit) 170 111 (Minot ND) 42 20 (Minneapolis-St. Paul) 171 114 (Aberdeen SD) 42 20 (Minneapolis-St. Paul) 172 145 (Great Falls MT) 42 41 (Spokane-Billings) 173 121 (North Platte NE-CO) 42 34 (Omaha) 174 173 (Guam-Northern Mariana Islands) 42 49 (Guam and the Northern Mariana Islands) 175 175 (American Samoa) 42 51 (American Samoa) 176 176 (Gulf of Mexico) 42 52 (Gulf of Mexico)</p>

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Note Name	Note Text
5. 2022 Funds Extension - 1	“The Department of Homeland Security (DHS) requests an extension of time to December 31, 2027 to complete the DHS Advanced Wireless Services 3 (AWS-3) transition plan using the Spectrum Relocation Funds allocated for DHS. Our currently approved plan is to use Fifth Generation (5G) cellular wireless technologies to reclaim the majority of impacted capabilities. Current lead times to receive 5G equipment are now exceeding nine months due to supply chain issues and extraordinary demand from commercial entities and other federal agencies. In addition, with the COVID 19 pandemic having restricted travel to the planned service areas for close to two years, we have been severely delayed in tasks such as site surveys that require on-site work. Because of these unexpected delays and the schedule risks from the continuing pandemic, we believe that a schedule extension is warranted.”
Update to Funding Timeline	The late delivery of AWS-3 funds and the completion of the AWS-1 efforts resulted in a delay completing detailed site surveys for the systems. The fund will be utilized as previously reported to contract for site surveys and the transition of the systems. It is anticipated that the completion of the equipment transition will conclude in September 2020. There is no impact to the release of spectrum assignments for the systems.

Releasable

DHS\DHS 1755-1780 (Rev. 3) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
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