

# **RELOCATION OF FEDERAL RADIO SYSTEMS FROM THE 1710-1755 MHz SPECTRUM BAND**

Seventh Annual  
Progress Report



**U.S. DEPARTMENT OF COMMERCE**

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# **RELOCATION OF FEDERAL RADIO SYSTEMS FROM THE 1710-1755 MHz SPECTRUM BAND: SEVENTH ANNUAL PROGRESS REPORT**

The National Telecommunications and Information Administration (NTIA) submits this report pursuant to Section 207 of the Commercial Spectrum Enhancement Act (CSEA), Title II of P.L. 108-494, which requires annual reporting on federal agencies' progress to vacate certain wireless communications systems from the 1710 megahertz (MHz) to 1755 MHz radio spectrum that has been reallocated to commercial use. The NTIA published the first annual report to Congress on April 17, 2008. That report covered relocation activity occurring over the period March 2007 through December 2007. This annual report documents the cumulative progress since the commencement of relocation activity in March 2007 through December 2013.

As created by the CSEA, the Spectrum Relocation Fund (SRF) provides a centralized and streamlined funding mechanism through which federal agencies can recover the costs associated with relocating their radio communications systems from spectrum reallocated and authorized to be auctioned for commercial purposes. The CSEA authorizes the use of auction proceeds to cover the relocation costs of federal agencies.

The CSEA designates 1710-1755 MHz as "eligible frequencies" for which federal relocation costs may be paid from the SRF. In November 2002, the NTIA and Federal Communications Commission (FCC) jointly reallocated for non-federal use the 1710-1755 MHz band and the FCC designated the spectrum for Advanced Wireless Services (AWS). In September 2006, the FCC concluded the first auction of licenses for AWS in the 1710-1755 MHz band paired with the 2110-2155 MHz band. In August 2008, the FCC held a second auction of licenses that were not sold in the first auction. The two AWS auctions raised over \$13.7 billion in net winning bids. Auction proceeds attributable to federal frequencies were deposited in the SRF in accordance with the CSEA. For the two auctions, a total of 115 different bidders participated and the FCC issued a total of 1,122 AWS licenses.

In February 2007, the Office of Management and Budget (OMB), in consultation with NTIA, submitted a report to Congress detailing a transfer of \$1.008 billion from the SRF to 12 federal agencies to relocate their wireless systems from the 1710-1755 MHz band. OMB transferred this amount to the agencies in March 2007. Between 2007 and 2012, OMB, consistent with the provisions of the CSEA, in consultation with NTIA, and after Congressional notification, made several additional transfers from the SRF to agencies to cover additional unanticipated relocation expenses.

In October 2008, OMB issued guidance to federal agencies participating in the SRF specifying the information they must provide when requesting additional resources or an extension of their approved project timeframes.<sup>1</sup> OMB directed the agencies to adhere to their original cost and timeline estimates to the extent possible. However, in unforeseen circumstances, where agencies need additional resources or time to vacate the auctioned spectrum, Section 204 of the CSEA authorizes OMB, in consultation with NTIA, to approve changes to the timeframe and cost estimates associated with relocation of federal systems.

This report details, on a system-by-system basis, the estimated relocation costs, the actual costs incurred, and the amounts paid from the SRF. The report is based on data submitted by the federal agencies to NTIA.

All 12 federal agencies have reported that they have ceased operations of their systems in the 1710-1755 MHz band, clearing the way for new commercial licensees. To date, five agencies (United States Department of Agriculture, Department of Housing and Urban Development, Department of Transportation (DOT)/ Federal Aviation Administration (FAA), National Aeronautics and Space Administration, and the Tennessee Valley Authority) have completed the relocation effort and achieved comparable capability of systems by relocating to new frequency assignments or by utilizing alternative technology. As required by the CSEA, NTIA has notified the FCC of these results.

Some agencies will continue to expend SRF funds until they have established comparable capabilities. NTIA will notify the FCC when these actions are completed. Some agencies have returned or plan to return excess relocation funds. For example, the Department of the Interior (DOI) has returned more than \$2.5 million.

The Department of Defense (DOD), Department of Homeland Security (DHS), Department of Justice, Department of Treasury, United States Postal Service, DOI, and the Department of Energy (DOE) have vacated from the 1710-1755 MHz band entirely, where required to do so.<sup>2</sup> However, these agencies continue to spend SRF funds to complete their transitions to reach comparable capability of systems relative to their previous operations. Five of these seven agencies expect to complete the relocation of eligible systems and achieve comparable capability in 2014 or 2015. The DOE and DHS expect to complete their relocation efforts in 2017.

For the 12-month period ending December 2013, the eligible federal agencies spent \$110 million dollars. This amount brings these agencies' cumulative spending to \$1.065 billion, which represents approximately 69 percent of the total estimated relocation costs

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<sup>1</sup> M-09-01, "Spectrum Relocation Fund Guidance," October 14, 2008, <http://www.whitehouse.gov/sites/default/files/omb/assets/omb/memoranda/fy2009/m09-01.pdf>.

<sup>2</sup> The exceptions are specified areas around federal facilities located at Yuma, Arizona and Cherry Point, North Carolina which are protected indefinitely and for which AWS licensees shall be required to coordinate any operations that could permit mobile, fixed, and portable stations to operate. 47 CFR Part 27, Subpart L, § 27.1134.

of \$1.550 billion. The attachments to this report detail the total actual costs incurred (cumulative outlays) by each federal agency from the time SRF funds were first made available in March 2007 through December 2013. Specifically, as in previous annual progress reports, Attachment A provides an overall summary by department, agency, or bureau of relocation activities since March 2007. The summary provides the original estimated relocation timeframes, details of the progress made in adhering to these timeframes, estimated and actual relocation costs, and cumulative outlays paid from the SRF. Attachment B conveys this information on a system-by-system basis for each department, agency, or bureau.

# Attachment A

1710 – 1755 MHz Band

Summary of Relocation Activities

By

Department, Agency, and/or Bureau

# Summary of Relocation Activities

Department/Agency	Bureau	Estimated Relocation Timeframe (Months) <sup>1</sup>	Status	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Cumulative Outlays
United States Department of Agriculture (USDA)	Forest Service	36	Complete <sup>3</sup>	\$21,578,486	\$21,578,486	\$11,706,486
Department of Defense (DOD)	Air Force	48	On Time	\$106,753,481	\$106,753,481	\$85,846,302
Department of Defense	Army	36	On Time	\$15,933,043	\$15,933,043	\$10,153,414
Department of Defense	Navy	36	On Time	\$134,465,000	\$134,465,000	\$62,733,194
Department of Defense	DOD-wide Support	72	On Time	\$98,200,000	\$98,200,000	\$90,900,875
Department of Defense	Subtotal			\$355,351,524	\$355,351,524	\$249,633,785
Department of Energy (DOE)	National Nuclear Security Administration (NNSA)	24	On Time	\$10,900,000	\$10,900,000	\$10,337,526
DOE	Bonneville Power Administration (BPA)	72	On Time	\$48,627,399	\$48,627,399	\$40,327,441
DOE	Southwestern Power Administration (SWPA)	24	On Time	\$8,091,360	\$42,821,360 <sup>4,5</sup>	\$16,390,691
DOE	Western Area Power Administration (Western)	36	On Time	\$108,202,200	\$108,202,200	\$67,651,005
DOE	DOE Headquarters	72	On Time	\$1,000,000	\$1,650,000 <sup>6</sup>	\$1,650,000
DOE	Subtotal			\$176,820,959	\$212,200,959	\$136,356,663

<sup>1</sup> All timeframes shown in the tables contained in this attachment represent the originally approved timeframes for relocating federal operations from the band for each agency.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) report to Congress.

<sup>3</sup> The USDA reported it has completed the relocation effort and reached comparable capability.

<sup>4</sup> As indicated in the May 12, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$17,730,000 from the SRF to DOE/SWPA in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

<sup>5</sup> As in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$17,000,000 from the SRF to DOE/SWPA in accordance with the provisions of the CSEA.

<sup>6</sup> As indicated in indicated in the May 12, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$650,000 from the SRF to DOE Headquarters in accordance with the provisions of the CSEA.

# Summary of Relocation Activities

Department/Agency	Bureau	Estimated Relocation Timeframe (Months)	Status	Estimated Relocation Cost <sup>1</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Cumulative Outlays
Department of Homeland Security (DHS)	Customs and Border Protection (CBP)	12	On Time	\$74,349,990	\$87,858,000 <sup>2</sup>	\$28,591,545
DHS	Immigration and Customs Enforcement (ICE)	12	On Time	\$3,559,281	\$160,116,206 <sup>3,4</sup>	\$44,687,719
DHS	United States Secret Service (USSS)	12	On Time	\$105,800	\$15,179,062 <sup>5</sup>	\$2,443,142
DHS	DHS-wide Support	12	On Time	\$11,979,761	\$19,086,572 <sup>6</sup>	\$11,206,417
DHS	Subtotal			\$89,994,832	\$282,239,840	\$86,928,823
Department of Housing and Urban Development	Inspector General	24	Complete <sup>7</sup>	\$21,115	\$21,115	\$21,115
Department of the Interior (DOI)	Bureau of Reclamation (BOR)	36	Complete <sup>8</sup>	\$4,550,000	\$8,000,000 <sup>9</sup>	\$5,494,529
DOI	Geological Survey (GS)	36	On Time	\$6,158,949	\$6,158,949	\$5,193,445
DOI	National Park Service (NPS)	36	On Time	\$14,703,000	\$20,282,185 <sup>10</sup>	\$16,461,824
DOI	Subtotal			\$25,411,949	\$34,441,134	\$27,149,798
Department of Justice (DOJ)	Bureau of Alcohol, Tobacco, Firearms, and Explosives (ATF)	36	On Time	\$48,024,000	\$86,174,000 <sup>11,12,13</sup>	\$59,299,636
DOJ	Federal Bureau of Investigation (FBI)	36	On Time	\$139,225,000	\$283,940,000 <sup>14,15</sup>	\$238,220,545
DOJ	Drug Enforcement Administration (DEA)	36	On Time	\$74,772,000	\$185,510,000 <sup>16,17,18</sup>	\$172,157,247
DOJ	DOJ-wide Support	36	On Time	\$800,000	\$800,000	\$800,000
DOJ	Subtotal			\$262,821,000	\$556,424,000	\$470,477,428

<sup>1</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) report to Congress.

<sup>2</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$ 13,508,010 from the SRF to the DHS/CBP in accordance with the provisions of the CSEA.

<sup>3</sup> As indicated in the November 16, 2007 OMB report, OMB made a subsequent transfer of \$35,570,000 from the SRF to the DHS/ICE in accordance with the provisions of the CSEA.

<sup>4</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$ 120,986,925 from the SRF to the DHS/ICE in accordance with the provisions of the CSEA.

<sup>5</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$ 15,073,262 from the SRF to the DHS/USSS in accordance with the provisions of the CSEA.

<sup>6</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$7,106,811 from the SRF to the DHS/Wide Support in accordance with the provisions of the CSEA.

<sup>7</sup> The Department of Housing and Urban Development reported it has completed the relocation effort and reached comparable capability.

<sup>8</sup> The DOI reported BOR has completed the relocation effort and reached comparable capability.

<sup>9</sup> As indicated in the August 27, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$3,450,000 from the SRF to the DOI/BOR in accordance with the provisions of the CSEA.

<sup>10</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$5,579,185 from the SRF to the DOI/NPS in accordance with the provisions of the CSEA.

<sup>11</sup> As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$17,312,000 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

<sup>12</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$14,041,000 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

<sup>13</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$6,797,000 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

<sup>14</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$23,730,000 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

<sup>15</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$120,985,000 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

<sup>16</sup> As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$14,075,000 from the SRF to the DOJ/DEA in accordance with the provisions of the CSEA.

<sup>17</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$55,687,000 from the SRF to the DOJ/DEA in accordance with the provisions of the CSEA.

<sup>18</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$40,976,000 from the SRF to the DOJ/DEA in accordance with the provisions of the CSEA.

# Summary of Relocation Activities

Department/Agency	Bureau	Estimated Relocation Timeframe (Months)	Status	Estimated Relocation Cost <sup>1</sup>	Total Transferred From the Spectrum Relocation Fund (SRF)	Cumulative Outlays
Department of Transportation (DOT)	Federal Aviation Administration (FAA)	46	Complete <sup>2</sup>	\$58,062,020 <sup>3</sup>	\$58,062,020	\$57,729,361
Treasury	Internal Revenue Service	28	On Time	\$4,409,000	\$4,409,000	\$3,323,885
Treasury	Treasury Inspector General for Tax Administration	28	On Time	\$892,000	\$892,000	\$806,284
Treasury	Subtotal			\$5,301,000	\$5,301,000	\$4,130,169
National Aeronautics and Space Administration (NASA)	National Aeronautics and Space Administration	24	Complete <sup>4</sup>	\$740,000	\$740,000	\$740,000
Tennessee Valley Authority (TVA)	Tennessee Valley Authority	48	Complete <sup>5</sup>	\$10,687,857	\$15,751,057 <sup>6,7</sup>	\$15,751,057
United States Postal Service (USPS)	Inspection Service	12	On Time	\$1,761,760	\$8,333,760 <sup>8</sup>	\$4,112,501
<b>Total</b>				<b>\$1,008,552,502</b>	<b>\$1,550,444,895</b>	<b>\$1,064,737,186</b>

<sup>1</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) Report to Congress.

<sup>2</sup> The DOT/FAA reported it has completed the relocation effort and reached comparable capability.

<sup>3</sup> \$58,062,020 has been made available to the FAA from the SRF, consistent with the National Telecommunications and Information Administration report to the Federal Communications Commission and Congress, dated December 2005, and the Congressional Notification from OMB, dated February 16, 2007. In providing information for this report, the FAA estimated relocation costs of \$58,062,027, and appears to include rounding errors associated with individual systems cost; thus, these totals may not be consistent. See Attachment B at B-18 for details.

<sup>4</sup> NASA reported it has completed the relocation effort and reached comparable capability.

<sup>5</sup> TVA reported it has completed the relocation effort and reached comparable capability.

<sup>6</sup> As indicated in the August 27, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$3,333,200 from the SRF to the TVA in accordance with the provisions of the CSEA.

<sup>7</sup> As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$1,730,000 from the SRF to TVA in accordance with the provisions of the CSEA.

<sup>8</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$6,572,000 from the SRF to the USPS in accordance with the provisions of the CSEA.



# Attachment B

1710 – 1755 MHz Band

Summary of Relocation Activities

By System

# United States Department of Agriculture

## Forest Service

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>3</sup>	Adjusted Total	Cumulative Outlays
USDA 001	Apache-Sitgreaves MW	18	Complete	\$960,000	\$960,000	-\$960,000	\$0	\$0 <sup>4</sup>
USDA 002	Ashley MW	36-48	Complete	\$397,000	\$397,000	\$0	\$397,000	\$892,801
USDA 003	Boise MW	36-48	Complete	\$442,000	\$442,000	\$0	\$442,000	\$20,581
USDA 004	Challis MW	36-48	Complete	\$746,000	\$746,000	\$0	\$746,000	\$636,595
USDA 005	Cibola MW	36	Complete	\$843,000	\$843,000	-\$843,000	\$0	\$0 <sup>4</sup>
USDA 006	Coconino MW	24	Complete	\$527,000	\$527,000	-\$527,000	\$0	\$0 <sup>4</sup>
USDA 007	Coronado MW	24	Complete	\$92,000	\$92,000	-\$92,000	\$0	\$0 <sup>4</sup>
USDA 008	Dixie MW	0	Complete	\$0	\$0	\$0	\$0	\$0 <sup>5</sup>
USDA 009	Fishlake MW	24	Complete	\$675,000	\$675,000	-\$675,000	\$0	\$0 <sup>4</sup>
USDA 010	Gila MW	24	Complete	\$1,049,000	\$1,049,000	-\$1,049,000	\$0	\$0 <sup>4</sup>
USDA 011	IPNF MW	36	Complete	\$1,138,900	\$1,138,900	-\$1,138,900	\$0	\$0 <sup>4</sup>
USDA 012	Kaibab MW	24	Complete	\$509,000	\$509,000	-\$509,000	\$0	\$0 <sup>4</sup>
USDA 013	Lagrande MW	24	Complete	\$241,000	\$241,000	-\$241,000	\$0	\$0 <sup>4</sup>
USDA 014	Lassen MW	36-48	Complete	\$818,000	\$818,000	\$0	\$818,000	\$1,056,171
USDA 015	Los Padres MW	36-48	Complete	\$107,000	\$107,000	\$0	\$107,000	\$2,700
USDA 016	Manti-Lasal MW	24	Complete	\$416,000	\$416,000	-\$416,000	\$0	\$0 <sup>4</sup>
USDA 017	Ochoco MW	36	Complete	\$235,000	\$235,000	-\$235,000	\$0	\$0 <sup>4</sup>
USDA 018	Payette MW	36	Complete	\$418,000	\$418,000	-\$418,000	\$0	\$0 <sup>4</sup>
USDA 019	Plumas MW	36-48	Complete	\$1,925,000	\$1,925,000	\$0	\$1,925,000	\$1,589,900
USDA 020	Salmon MW	36-48	Complete	\$354,000	\$354,000	\$0	\$354,000	\$3,764
USDA 021	Sierra MW	36-48	Complete	\$1,072,000	\$1,072,000	\$0	\$1,072,000	\$10,029
USDA 022	Stanislaus MW	36-48	Complete	\$733,000	\$733,000	\$0	\$733,000	\$0
USDA 023	Toiyabe MW	36-48	Complete	\$448,000	\$448,000	\$0	\$448,000	\$695,306
USDA 024	Tonto MW	36	Complete	\$672,000	\$672,000	-\$672,000	\$0	\$0 <sup>4</sup>
USDA 025	Uinta MW	24	Complete	\$636,000	\$636,000	-\$636,000	\$0	\$0 <sup>4</sup>
USDA 026	Wassatch MW	24	Complete	\$1,206,000	\$1,206,000	-\$1,206,000	\$0	\$0 <sup>4</sup>
USDA 027	Winema MW	0	Complete	\$0	\$0	\$0	\$0	\$0 <sup>5</sup>
USDA 028	Additional Funds	36	Complete	\$4,918,586	\$4,918,586	\$0	\$4,918,586	\$6,798,639
<b>Total</b>				<b>\$21,578,486</b>	<b>\$21,578,486</b>	<b>-\$9,617,900</b>	<b>\$11,960,586</b>	<b>\$11,706,486</b>

<sup>1</sup> United States Department of Agriculture (USDA) reported it has completed the relocation effort and reached comparable capability.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

<sup>3</sup> Federal agencies indicate they are transferring funds between systems due to either higher or lower than estimated costs to relocate, which does not affect the total amount received from the SRF.

<sup>4</sup> USDA indicated the system has been decommissioned. It does not require replacement, and the USDA will return the funds to the SRF.

<sup>5</sup> USDA indicated the system has been deleted, and did not require funds from the SRF.

# Department of Defense

## United States Air Force (USAF)<sup>1</sup>

System Number	System Name <sup>2</sup>	Estimated Relocation Timeframe (Months)	Status <sup>3</sup>	Estimated Relocation Cost <sup>4</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>5</sup>	Adjusted Total	Cumulative Outlays
USAF0001	Precision Guided Munitions – Aircraft Procurement	48	On Time	\$40,000,000	\$40,000,000	\$0	\$40,000,000	\$30,318,970
USAF0001	Precision Guided Munitions – Missile Procurement	48	On Time	\$60,000,000	\$60,000,000	\$0	\$60,000,000	\$49,625,435
USAF0002	Edwards Microwave	36	On Time	\$157,100	\$157,100	-\$8,418	\$148,682	\$148,682
USAF0003	Luke Microwave	36	On Time	\$1,212,000	\$1,212,000	-\$333,547	\$878,453	\$878,453
USAF0004	Nellis Microwave	36	On Time	\$600,000	\$600,000	\$0	\$600,000	\$600,000
USAF0005	Eastern Range	36	On Time	\$2,810,381	\$2,810,381	-\$191,811	\$2,618,570	\$2,493,926
USAF0006	Eglin Microwave	36	On Time	\$1,974,000	\$1,974,000	-\$144	\$1,973,856	\$1,780,837
<b>Total</b>				<b>\$106,753,481</b>	<b>\$106,753,481</b>	<b>-\$533,920</b>	<b>\$106,219,561</b>	<b>\$85,846,302</b>

<sup>1</sup> The USAF indicated these systems have been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

<sup>2</sup> USAF has one assignment (threat simulator) that operates on a non-interference basis. This does not require funds from the SRF.

<sup>3</sup> The February 2007 Office of Management and Budget (OMB) Report to Congress lists the USAF as having 36 systems. The correct number should be six systems, which encompass the frequency assignments that the USAF previously reported as 36 systems. One of the six systems is funded through two accounts. There is no impact on the total resources required to vacate the band since the number of frequency assignments to be vacated remains unchanged from the February 2007 OMB Report to Congress.

<sup>4</sup> Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

<sup>5</sup> Column denotes that agencies have transferred funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF by the agency.

# Department of Defense

## Department of the Army (Army)

System Number	System Name <sup>1</sup>	Estimated Relocation Timeframe (Months)	Status <sup>2</sup>	Estimated Relocation Cost <sup>3</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>4</sup>	Adjusted Total	Cumulative Outlays
AR0001	1 – 11 <sup>th</sup> Aviation Ft. Rucker	33 <sup>5</sup>	On Time	\$752,000	\$752,000	\$1,694,759	\$2,446,759	\$1,010,070
AR0002	Army Material Command	24	On Time	\$1,185,000	\$1,185,000	-\$876,082	\$308,918	\$308,918
AR0003	DCIS	36	On Time	\$128,000	\$128,000	\$5,142	\$133,142	\$133,142
AR0004	United States Army Corp of Engineers (USACE) – Kansas City District	36	On Time	\$65,043	\$65,043	-\$65,043	\$0	\$0
AR0005	USACE – New England District	36	On Time	\$161,000	\$161,000	\$450,215	\$611,215	\$610,498
AR0006	USACE – Portland District <sup>6</sup>	36	On Time	\$5,484,000	\$5,484,000	\$1,684,000	\$7,168,000	\$5,212,976
AR0007	USACE – Sacramento District <sup>7</sup>	18	On Time	\$7,032,000	\$7,032,000	-\$3,970,040	\$3,061,960	\$2,855,042
AR0008	USACE – Tulsa District	36	On Time	\$32,000	\$32,000	-\$32,000	\$0	\$0
AR0009	White Sands Missile Range	24	On Time	\$464,000	\$464,000	-\$464,000	\$0	\$0
AR0010	PEO – EIS – PM Digital Wideband Transmission System	0 <sup>8</sup>	On Time	\$630,000	\$630,000	-\$563,763	\$66,237	\$22,769
<b>Total</b>				<b>\$15,933,043</b>	<b>\$15,933,043</b>	<b>-\$2,136,811</b>	<b>\$13,796,232</b>	<b>\$10,153,414</b>

<sup>1</sup> The Army indicated these systems have been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

<sup>2</sup> The February 2007 Office of Management and Budget (OMB) Report to Congress lists the Army as having 31 systems. The correct number should be nine systems, which encompass the frequency assignments that the Army previously reported as 31 systems, plus one account for shared program management and engineering costs, as reported. There is no impact on the total resources acquired to vacate the band since the number of frequency assignments to be vacated remains unchanged from the February 2007 OMB Report to Congress.

<sup>3</sup> Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

<sup>4</sup> Column denotes agencies have transferred funds between systems due to either higher or lower than estimated relocation costs and this action does not affect the total amount received from the SRF.

<sup>5</sup> The original four assignments in this system were relocated within 24 months. Two additional assignments (AR91551 & AR91552) were added to this system for management purposes. These two assignments were on a 33 month-timeline, which has been met. All six assignments in this system have been deleted. The original estimate of \$752,000 for this system was significantly underestimated. Further, adding assignments AR91551 & AR91552 to this system required additional funds. A total of \$1,698,104 had to be added to this project from other Army systems whose costs were overestimated.

<sup>6</sup> The Army indicated that assignments AR819881 and AR848053 had been erroneously identified as assignments that could be relocated without SRF funds and have added these two assignments to this system for funding and project management. The Army notes funding in the amount of \$1,634,000 was added to this system for these two assignments.

<sup>7</sup> The Army indicated that it has requested the National Telecommunications and Information Administration to delete all four of the frequency assignments for this system. The Army states the remaining estimated funds in the amount of \$3,754,391 were not required for this system and these surplus funds were made available for shortfalls in the estimated cost to relocate other Army systems.

<sup>8</sup> The Army indicated this was mistakenly reported as 36 months in the March 2008 First Annual Relocation Report to Congress. AR0010 was established as an Army overhead account for shared program management and engineering costs, which after an initial trial period in 2007 the Army deemed was not necessary. The Army reports it will not spend all the funds in account AR0010 for shared program management and engineering costs and indicated that it will fund the necessary shared program management and engineering costs out of the \$15,303,043 in Other Procurement funds made available for the entire effort. However, Army used some of these Operations and Maintenance (O&M) funds to pay for temporary path leases necessary to maintain uninterrupted operations during the relocation process for selected assignments. Fiscal law prohibited to use Other Procurement funds for this purpose, which made the use of O&M funds out of the AR0010 account necessary.

# Department of Defense

## Department of the Navy (Navy)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From the Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>3</sup>	Adjusted Total	Cumulative Outlays
USN0001	C,AYDST402S	36	On Time	\$134,000	\$134,000	\$875,000	\$1,009,000	\$ 1,009,000
USN0002	C,AYDST-400 SERIES	36	On Time	\$13,938,047	\$13,938,047	\$0	\$13,938,047	\$ 13,617,731
USN0003	C,PADVTL-2A	36	On Time	\$3,121,449	\$3,121,449	\$0	\$3,121,449	\$ 3,121,449
USN0004	C,AVKDR-96	36	On Time	\$296,000	\$296,000	\$88,721	\$384,721	\$ 384,721
USN0005	C,CNNCTM-UHF-10V	36	On Time	\$21,000	\$21,000	\$502,383	\$523,383	\$ 523,383
USN0006	C,CNCCTM-UHF-10V	36	On Time	\$446,208	\$446,208	\$0	\$446,208	\$ 446,208
USN0007	C,AVKDR2C-96	36	On Time	\$446,208	\$446,208	\$0	\$446,208	\$ 446,208
USN0008	C,ACC-AT3620LV	36	On Time	\$1,338,621	\$1,338,621	\$0	\$1,338,621	\$ 1,338,621
USN0009	C,MOT-MTG1010A	36	On Time	\$271,000	\$271,000	\$85,000	\$356,000	\$ 356,000
USN0010	C,ERDEVT-3	36	On Time	\$892,414	\$892,414	\$0	\$892,414	\$ 892,414
USN0011	S,SMWVTX-36L20ADP	36	On Time	\$21,000	\$21,000	\$7,735	\$28,735	\$ 28,735
USN0012	G,HORACEVIDEO LINK	36	On Time	\$21,000	\$21,000	\$30,750	\$51,750	\$ 51,750
USN0013	C,PADVTL-2A	36	On Time	\$892,414	\$892,414	\$0	\$892,414	\$ 892,414
USN0014	G,HORACE VIDEO LINK	36	On Time	\$249,400	\$249,400	\$0	\$249,400	\$ 249,400
USN0015	C,CNCCTM-UHF-10V	36	On Time	\$21,000	\$21,000	\$12,000	\$33,000	\$ 33,000
USN0016	C,AYD T400	36	On Time	\$997,600	\$997,600	\$0	\$997,600	\$ 997,600
USN0017	C,AYD T400	36	On Time	\$891,397	\$891,397	\$0	\$891,397	\$ 891,397
USN0018	C,AYD T400	36	On Time	\$446,207	\$446,207	\$0	\$446,207	\$ 446,207
USN0019	C,AYD T400	36	On Time	\$446,207	\$446,207	\$0	\$446,207	\$ 446,207
USN0020	C,AYD T400	36	On Time	\$446,207	\$446,207	\$0	\$446,207	\$ 446,207
USN0021	C,AYD T400	36	On Time	\$446,207	\$446,207	\$0	\$446,207	\$ 446,207
USN0022	C,AYD T400	36	On Time	\$892,414	\$892,414	\$0	\$892,414	\$ 892,414
USN0023	C,ACTMDR-5402	36	On Time	\$587,000	\$587,000	\$171,688	\$758,688	\$ 758,688
USN0024	C,MOT MR-200	36	On Time	\$229,000	\$229,000	\$0	\$229,000	\$ 229,000
USN0025 <sup>4</sup>	CLASSIFIED	36	On Time	\$44,146,000	\$44,146,000	-\$16,911,399	\$27,558,792	\$ 25,748,258
USN00253 <sup>4</sup>	HERP/HERO	36	On Time	\$1,235,000	\$1,235,000	-\$28,301	\$1,206,699	\$ 1,206,699
USN0025 <sup>4</sup>	CLASSIFIED	36	On Time	\$60,692,000	\$60,692,000	-\$50,692,000	\$10,000,000	\$ 5,933,276
USMC0001 <sup>5</sup>	C,LOE LMC-402D2	36	On Time	\$232,000	\$232,000	\$0	\$232,000	\$ 232,000
USMC0002 <sup>5</sup>	C,LOE LMC-402D2	36	On Time	\$468,000	\$468,000	\$0	\$468,000	\$ 468,000
USMC0003 <sup>5</sup>	C,LOE LMC-402D2	36	On Time	\$100,000	\$100,000	\$0	\$100,000	\$ 100,000
USMC0004 <sup>5</sup>	C,TBNTBT200LV	36	On Time	\$100,000	\$100,000	\$0	\$100,000	\$ 100,000
<b>Total</b>				<b>\$134,465,000</b>	<b>\$134,465,000</b>	<b>-\$65,858,423</b>	<b>\$68,606,577</b>	<b>\$62,733,194</b>

<sup>1</sup> The Navy indicated these systems have been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

<sup>3</sup> Column denotes agencies have transferred funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF.

<sup>4</sup> The Navy indicated this is one system funded through three accounts.

<sup>5</sup> USMC is the United States Marine Corps.

# Department of Defense

## DOD-Wide Relocation Support (Research, Development, Test and Evaluation/Operation and Maintenance)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status	Estimated Relocation Cost <sup>1</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
DOD0001	Spectrum Relocation Management Office	72	On Time	\$21,700,000	\$21,700,000	-\$4,868,569	\$16,831,431	\$16,156,879
DOD0002	Spectrum Management Transition Initiative	72	On Time	\$48,500,000	\$48,500,000	\$-978,937	\$47,521,063	\$47,126,415
DOD0003	Spectrum Technology Test Bed	72	On Time	\$28,000,000	\$28,000,000	\$-72,746	\$27,927,254	\$27,617,581
<b>Total</b>				<b>\$98,200,000</b>	<b>\$98,200,000</b>	<b>-\$5,920,253</b>	<b>\$92,279,747</b>	<b>\$90,900,875</b>

<sup>1</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

# Department of Energy

## National Nuclear Security Administration (NNSA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From the Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>3</sup>	Adjusted Total	Cumulative Outlays
1	OST - Remote Keying System, Replacement	24	On Time	\$180,000	\$180,000	-\$180,000 <sup>4</sup>	\$0	\$0
2	SNL - Portable Microwave, System and Laser Tracking Microwave	24	On Time	\$691,000	\$691,000	\$0	\$691,000	\$691,000
3	Pantex Admin System	24	On Time	\$870,000	\$870,000	\$1,500,000	\$2,370,000	\$2,233,000
4a	SNL - Laser Tracking Microwave	24	On Time	\$344,500	\$344,500	\$0	\$344,500	\$344,500
4b	SNL - Telecommand Link	24	On Time	\$384,500	\$384,500	\$0	\$384,500	\$384,500
5	OST - Microwave Link	24	On Time	\$385,000	\$385,000	\$360,000	\$745,000	\$745,000
6	SNL - Remote Control Development Link - Robotics Vehicle	24	On Time	\$240,000	\$240,000	\$0	\$240,000	\$240,000
7	LANL - Robotic Vehicle (Video / Audio)	24	On Time	\$360,000	\$360,000	-\$277,402	\$82,598	\$82,598
8	NSO - YMP Microwave System	24	On Time	\$840,000	\$840,000	-\$763,360	\$76,640	\$76,640
9	NSO - NV Teleoperated System	24	On Time	\$435,000	\$435,000	-\$236,591	\$198,409	\$198,409
10	YMP Seismic Link (Shoshone Mtn and Echo Peak, NV)	24	On Time	\$900,000	\$900,000	\$214,213	\$1,114,213	\$989,843
11	NSO - Helicopter Event Video	24	On Time	\$970,000	\$970,000	\$100,000	\$1,070,000	\$1,070,000
12	NSO - Backbone Microwave Link (Nevada Test Site and Angel Peak)	24	On Time	\$770,000	\$770,000	\$98,429	\$868,429	\$865,189
13	NSO - YMP Seismic Link (Yucca Mtn and Sober Peak, NV)	24	On Time	\$830,000	\$830,000	\$650,000	\$1,480,000	\$1,118,136
14	LLNL - Research Microwave between Tracy Airport and LLNL	24	On Time	\$360,000	\$360,000	\$0	\$360,000	\$360,000
15	LLNL - Water System Microwave Link (Livermore to Mocho)	24	On Time	\$890,000	\$890,000	-\$15,289	\$874,711	\$868,711
16	NNSA Inflation Indexed Reserve	24	On Time	\$1,450,000	\$1,450,000	-\$1,450,000	\$0	\$0
<b>Total</b>				<b>\$10,900,000</b>	<b>\$10,900,000</b>	<b>\$0</b>	<b>\$10,900,000</b>	<b>\$10,337,526</b>

<sup>1</sup> The Department of Energy (DOE)/NNSA indicated these systems have been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

<sup>3</sup> Column denotes agencies have transferred funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF.

<sup>4</sup> DOE/NNSA indicated the system has been deleted and is no longer operating in the 1710-1755 MHz band. The funds shown have been transferred to system number 5.

# Department of Energy

## Bonneville Power Administration (BPA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>3</sup>	Adjusted Total	Cumulative Outlays
1	2N	36	On Time	\$4,896,239	\$4,896,239	\$0	\$4,896,239	\$4,252,435
2	4A	48	On Time	\$1,147,111	\$1,147,111	\$0	\$1,147,111	\$820,467
3	4D	60	On Time	\$1,727,645	\$1,727,645	\$500,000	\$2,227,645	\$2,051,269
4	D	48	On Time	\$2,815,160	\$2,815,160	\$0	\$2,815,160	\$2,215,222
5	H	48	On Time	\$767,501	\$767,501	\$0	\$767,501	\$552,638
6	I	72	On Time	\$8,913,238	\$8,913,238	-\$500,000	\$8,413,238	\$7,149,883
7	N	24	On Time	\$8,589,111	\$8,589,111	\$83,506	\$8,672,617	\$8,415,391
8	PND AC00	48	On Time	\$4,712,537	\$4,712,537	\$250,720	\$4,963,257	\$3,004,466
9	PND D	48	On Time	\$1,975,385	\$1,975,385	-\$250,720	\$1,724,665	\$1,509,882
10	PND XC00	36	On Time	\$5,063,823	\$5,063,823	\$1,460,105	\$6,523,928	\$4,168,537
11	PND YC00	24	On Time	\$6,441,748	\$6,441,748	-\$1,460,105	\$4,981,643	\$4,995,674
12	T	12	On Time	\$288,198	\$288,198	-\$83,506	\$204,692	\$204,692
13	U	60	On Time	\$915,458	\$915,458	-\$10,000	\$905,458	\$606,087
14	USA <sup>4</sup>	72	On Time	\$374,245	\$374,245	\$10,000	\$384,245	\$380,400
<b>Total</b>				<b>\$48,627,399</b>	<b>\$48,627,399</b>	<b>\$ 0</b>	<b>\$48,627,399</b>	<b>\$40,327,441</b>

<sup>1</sup> The DOE/BPA indicated these systems have been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

<sup>3</sup> Column denotes agencies have transferred funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF.

<sup>4</sup> This system consists of radios that will be used across the remaining 13 systems during catastrophic emergency conditions where timely restoration of mission critical telecommunication traffic is of the utmost importance. The estimated relocation timeframe is not expected to affect commercial access to the band, since this system operates in a backup capacity only.

## Southwestern Power Administration (SWPA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Southwestern <sup>3</sup>	24	On Time	\$8,091,360	\$42,821,360 <sup>4,5</sup>	\$0	\$42,821,360	\$16,390,691
<b>Total</b>				<b>\$8,091,360</b>	<b>\$42,821,360<sup>4,5</sup></b>	<b>\$0</b>	<b>\$42,821,360</b>	<b>\$16,390,691</b>

<sup>1</sup> The DOE/SWPA indicated this system has been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report (OMB) Report to Congress.

<sup>3</sup> The March 2008 First Annual Relocation Report to Congress showed an additional system AD (Corporate Overhead and Reserve). This is now combined with system 1 (Southwestern) and the total amount paid from the SRF remains the same.

<sup>4</sup> As indicated in the May 12, 2009 Congressional Notification from OMB, a subsequent transfer of \$17,730,000 from the SRF was made to DOE/SWPA in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

<sup>5</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$17,000,000 from the SRF to DOE/SWPA in accordance with the provisions of the CSEA.



# Department of Energy

## Western Area Power Administration (Western)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>3</sup>	Adjusted Total	Cumulative Outlays
1	Sierra-Nevada Region (SNR)	30	On Time	\$9,846,000	\$9,846,000	\$14,047,931	\$23,893,931	\$9,901,368
2	Rocky Mountain Region (RMR)	28	On Time	\$5,971,200	\$5,971,200	\$1,258,203	\$7,229,403	\$6,285,675
3	Desert Southwest Region (DSW)	30	On Time	\$7,320,000	\$7,320,000	\$285,932	\$7,605,932	\$6,655,042
4	Upper Great Plains - Montana (UGP-PT)	36 <sup>4</sup>	On Time	\$22,275,000	\$22,275,000	\$116,821	\$22,391,821	\$21,179,392
5	Upper Great Plains - North Dakota (UGP-ND)	36 <sup>4</sup>	On Time	\$21,467,000	\$21,467,000	\$113,768	\$21,580,768	\$13,555,639
6	Upper Great Plains - South Dakota (UGP-SD)	36 <sup>4</sup>	On Time	\$26,688,000	\$26,688,000	-\$1,870,749	\$24,817,251	\$10,073,889
AD <sup>4</sup>	Corporate Overhead and Reserve	N/A	On Time	\$14,635,000	\$14,635,000	-\$13,951,908	\$683,092	\$0
<b>Total</b>				<b>\$108,202,200</b>	<b>\$108,202,200</b>	<b>\$0</b>	<b>\$108,202,200</b>	<b>\$67,651,005</b>

<sup>1</sup> The DOE/Western indicated these systems have been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

<sup>3</sup> Agencies indicate they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF.

<sup>4</sup> The DOE/Western indicated the system AD is not a radio system but rather an administrative designator to capture the overhead expenditures associated with all systems and funds kept in reserve for inflation, collocation coordination, and planning. Actual costs and associated funding for overhead are distributed out to the system at the end of each fiscal year.

## DOE Headquarters

System Number	System Name	Estimated Relocation Timeframe (Months)	Status (On Time)	Estimated Relocation Cost <sup>1</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
N/A	DOE Headquarters	72	On Time	\$1,000,000	\$1,650,000 <sup>2</sup>	\$0	\$1,650,000	\$1,650,000
<b>Total</b>				<b>\$1,000,000</b>	<b>\$1,650,000<sup>2</sup></b>	<b>\$0</b>	<b>\$1,650,000</b>	<b>\$1,650,000</b>

<sup>1</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report (OMB) Report to Congress.

<sup>2</sup> As indicated in the May 12, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$650,000 from the SRF to DOE Headquarters in accordance with the provisions of the CSEA.

# Department of Homeland Security

## Customs and Border Protection (CBP)

System Number	System Name <sup>1</sup>	Estimated Relocation Timeframe (Months)	Status <sup>2</sup>	Estimated Relocation Cost <sup>3</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>4</sup>	Adjusted Total	Cumulative Outlays
1	El Centro	12	On Time	\$9,913,332	\$11,714,400 <sup>5</sup>	-\$91,754	\$11,622,646	\$ 4,254,536
2	El Paso	12	On Time	\$21,065,830	\$24,893,099 <sup>6</sup>	-\$7,929,931	\$16,963,170	\$ 4,124,286
3	Yuma	12	On Time	\$9,913,332	\$11,714,400 <sup>7</sup>	-\$2,299,119	\$9,415,281	\$ 5,747,304
4	Rio Grande Valley	12	On Time	\$9,913,332	\$11,714,400 <sup>8</sup>	\$1,088,743	\$12,803,143	\$ 2,080,451
5	Laredo	12	On Time	\$9,913,332	\$11,714,400 <sup>9</sup>	\$2,084,743	\$13,798,743	\$ 2,106,061
6	Marfa	12	On Time	\$8,674,166	\$10,250,100 <sup>10</sup>	\$1,502,376	\$11,752,476	\$ 1,732,658
7	Tucson	12	On Time	\$4,956,666	\$5,857,200 <sup>11</sup>	\$5,644,942	\$11,502,142	\$ 8,546,249
8	Livermore	12	On Time	\$0	\$0	\$0	\$0	\$0
9	San Diego	12	On Time	\$0	\$0	\$0	\$0	\$0
10	Del Rio	12	On Time	\$0	\$0	\$0	\$0	\$0
<b>Total</b>				<b>\$74,349,990</b>	<b>\$87,858,000</b>	<b>\$0</b>	<b>\$87,858,000</b>	<b>\$28,591,545</b>

<sup>1</sup> The February 2007 Office of Management and Budget (OMB) Report to Congress lists CBP as having 60 systems. The correct number should be a total of 10 systems comprised of 60 point-to-point links.

Fixed microwave systems are unique to the operational areas defined by the Office of Border Patrol sector areas of responsibility. The number of relocating frequency assignments remains constant. This has no impact on the total resources required to vacate the band.

<sup>2</sup> The Department of Homeland Security/CBP indicated these systems has been relocated from the 1710-1755 MHz band by implementing an interim solution; remaining funds will be used to implement a final long-term solution.

<sup>3</sup> Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

<sup>4</sup> Column denotes agencies have transferred funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF.

<sup>5</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$1,801,068 from the SRF to DHS/CBP in accordance with the provisions of the CSEA.

<sup>6</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$3,827,269 from the SRF to DHS/CBP in accordance with the provisions of the CSEA.

<sup>7</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$1,801,068 from the SRF to DHS/CBP in accordance with the provisions of the CSEA.

<sup>8</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$1,801,068 from the SRF to DHS/CBP in accordance with the provisions of the CSEA.

<sup>9</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$1,801,068 from the SRF to DHS/CBP in accordance with the provisions of the CSEA.

<sup>10</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$ 1,575,934 from the SRF to DHS/CBP in accordance with the provisions of the CSEA.

<sup>11</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$900,534 from the SRF to DHS/CBP in accordance with the provisions of the CSEA.

# Department of Homeland Security

## Immigration and Customs Enforcement (ICE)

System Number	System Name <sup>1</sup>	Estimated Relocation Timeframe (Months)	Status <sup>2</sup>	Estimated Relocation Cost <sup>3</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Components for Portable Systems	12	On Time	\$3,559,281	\$160,116,206 <sup>4,5</sup>	\$0	\$160,116,206	\$44,687,719
<b>Total</b>				<b>\$3,559,281</b>	<b>\$160,116,206<sup>4,5</sup></b>	<b>\$0</b>	<b>\$160,116,206</b>	<b>\$44,687,719</b>

<sup>1</sup> The February 2007 Office of Management and Budget (OMB) Report to Congress lists ICE as having four systems. The correct number should be one. The Department of Homeland Security (DHS)/ICE did not explain the difference in reporting systems. However, in other cases, agencies attributed the difference to a correction based on their understanding of the definition of a "system."

<sup>2</sup> The DHS/ICE indicated this system has been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement a final long-term solution.

<sup>3</sup> Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

<sup>4</sup> As indicated in the November 16, 2007 OMB Congressional Notification, OMB made a subsequent transfer of \$35,570,000 from the SRF to DHS/ICE in accordance with the provisions of the CSEA.

<sup>5</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$120,986,925 from the SRF to DHS/ICE in accordance with the provisions of the CSEA.

## United States Secret Service (USSS)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status	Estimated Relocation Cost <sup>1</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Fixed (Transportable)	12 <sup>2</sup>	On Time	\$105,800	\$15,179,062 <sup>3</sup>	\$0	\$15,179,062	\$2,443,142
<b>Total</b>				<b>\$105,800</b>	<b>\$15,179,062<sup>3</sup></b>	<b>\$0</b>	<b>\$15,179,062</b>	<b>\$2,443,142</b>

<sup>1</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) Report to Congress.

<sup>2</sup> The Department of Homeland Security/USSS indicated this system has been relocated from the 1710-1755 MHz band by implementing an interim solution; remaining funds will be used to implement a final long-term solution.

<sup>3</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$15,073,262 from the SRF to DHS/USSS in accordance with the provisions of the CSEA.

# Department of Homeland Security

## DHS–Wide Support (Office of the Chief Information Officer)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status	Estimated Relocation Cost <sup>1</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
NA	DHS Wide Support	12	On Time	\$11,979,761	\$19,086,572 <sup>2</sup>	\$0	\$19,086,572	\$11,206,417
<b>Total</b>				<b>\$11,979,761</b>	<b>\$19,086,572<sup>2</sup></b>	<b>\$0</b>	<b>\$19,086,572</b>	<b>\$11,206,417</b>

<sup>1</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) Report to Congress.

<sup>2</sup> As indicated in the April 2, 2012 OMB Congressional Notification, OMB made a subsequent transfer of \$7,106,811 from the SRF to DHS/(Office of the Chief Information Officer) in accordance with the provisions of the CSEA.

# Department of Housing and Urban Development

## Inspector General

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	GMS Video Transmitter - L Band	24	Complete	\$3,450	\$3,450	\$0	\$3,450	\$3,450
2	GMS Video Receiver - L Band	24	Complete	\$7,315	\$7,315	\$0	\$7,315	\$7,315
3	L-3 Communications Audio/Video Microwave Transmitter	24	Complete	\$3,450	\$3,450	\$0	\$3,450	\$3,450
4	L-3 Communications Audio/Video Microwave Transmitter	24	Complete	\$3,450	\$3,450	\$0	\$3,450	\$3,450
5	L-3 Communications Audio/Video Microwave Transmitter	24	Complete	\$3,450	\$3,450	\$0	\$3,450	\$3,450
<b>Total</b>				<b>\$21,115</b>	<b>\$21,115</b>	<b>\$0</b>	<b>\$21,115</b>	<b>\$21,115</b>

<sup>1</sup> Department of Housing and Urban Development reported it has completed the relocation effort and reached comparable capability.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

# Department of the Interior

## Bureau of Reclamation (BOR)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	North Platte River Project	24-36	Complete	\$2,805,000	\$5,155,000 <sup>3</sup>	\$0	\$5,155,000	\$5,154,337
2	Frying Pan Arkansas	24	Complete	\$1,745,000	\$2,845,000 <sup>4</sup>	\$0	\$2,845,000	\$340,192
			<b>Total</b>	<b>\$4,550,000</b>	<b>\$8,000,000</b>	<b>\$0</b>	<b>\$8,000,000</b>	<b>\$5,494,529</b>

<sup>1</sup> The Department of the Interior reported the BOR has completed the relocation effort and reached comparable capability.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) Report to Congress.

<sup>3</sup> As indicated in the August 27, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$2,350,000 from the SRF to the Department of the Interior (DOI) /BOR in accordance with the provisions of the CSEA.

<sup>4</sup> As indicated in the August 27, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$1,100,000 from the SRF to DOI/BOR in accordance with the provisions of the CSEA.

## Geological Survey (GS)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
3	Earthquake-Seismic Monitoring	36	On Time	\$6,158,949	\$6,158,949	\$0	\$6,158,949	\$5,193,445
			<b>Total</b>	<b>\$6,158,949</b>	<b>\$6,158,949</b>	<b>\$0</b>	<b>\$6,158,949</b>	<b>\$5,193,445</b>

<sup>1</sup> The Department of the Interior/USGS indicated this system has been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

# Department of the Interior

## National Park Service (NPS)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2,3</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
4	Natchez Trace Parkway	36	On Time	\$10,571,000	\$11,755,105 <sup>4</sup>	\$0	\$11,755,105	\$8,901,768
5	Blue Ridge Parkway	36	On Time	\$4,132,000	\$8,527,080 <sup>5</sup>	\$0	\$8,527,080	\$7,560,056
			<b>Total</b>	<b>\$14,703,000</b>	<b>\$20,282,185</b>	<b>\$0</b>	<b>\$20,282,185</b>	<b>\$16,461,824</b>

<sup>1</sup> The Department of the Interior/USGS indicated this system has been relocated from the 1710-1755 MHz band, although funds may continue to be used funds to implement the transition.

<sup>2</sup> The March 2008 First Annual Relocation Report to Congress incorrectly reported the System 4 Estimated Relocation Cost as \$8,349,000 and System 5 Estimated Relocation Cost as \$6,354,000. The total Estimated Relocation Cost of \$14,703,000 agrees with the total contained in the March 2008 First Annual Relocation Report to Congress.

<sup>3</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) Report to Congress.

<sup>4</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$1,184,105 from the SRF to the DOI/NPS in accordance with the provisions of the CSEA.

<sup>5</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$4,395,080 from the SRF to the DOI/NPS in accordance with the provisions of the CSEA.

# Department of Justice

## Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF)

System Number	System Name <sup>1</sup>	Estimated Relocation Timeframe (Months)	Status <sup>2</sup>	Estimated Relocation Cost <sup>3</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>4</sup>	Adjusted Total	Cumulative Outlays
1	L Band Coded Orthogonal Frequency Division Multiplexing	36	On Time	\$16,777,930	\$27,984,110 <sup>5,6,7</sup>	-\$7,670,053	\$20,314,057	\$5,370,234
2	Long Range Systems	36	On Time	\$10,000,000	\$13,015,868 <sup>8,9,10</sup>	-\$12,108,065	\$907,803	\$637,803
3	Video over IP Systems	36	On Time	\$15,854,320	\$28,952,329 <sup>11,12,13</sup>	\$11,285,535	\$40,237,864	\$34,661,216
4	Covert Systems	36	On Time	\$5,006,500	\$9,721,816 <sup>14,15</sup>	\$1,640,569	\$11,362,385	\$6,300,095
5	Misc/Training & Shipping	36	On Time	\$385,250	\$6,045,616 <sup>16,17,18</sup>	-\$3,119,188	\$2,926,428	\$1,904,825
6	Accelerated Withdraw <sup>19</sup>			\$0	\$454,261 <sup>20</sup>	\$9,971,202	\$10,425,463	\$10,425,463
<b>Total</b>				<b>\$48,024,000</b>	<b>\$86,174,000<sup>21</sup></b>	<b>\$0</b>	<b>\$86,174,000</b>	<b>\$59,299,636</b>

<sup>1</sup> The February 2007 Office of Management and Budget (OMB) Report to Congress lists the ATF as having 1,641 systems. The correct number should be five. The ATF system numbers have changed only as a result of reporting modifications associated with implementation management. There is no change to specific equipment counts contained in the systems and related reimbursement costs.

<sup>2</sup> The Department of Justice (DOJ)/ATF indicated the systems have been relocated from the 1710-1755 MHz band by implementing an interim solution; it will use remaining funds to implement a final long-term solution.

<sup>3</sup> Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

<sup>4</sup> The DOJ/ATF indicates they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF.

<sup>5</sup> As indicated in the July 24, 2008 Congressional Notification from OMB, a subsequent transfer of \$6,230,702 from the SRF was made to DOJ/ATF in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

<sup>6</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$4,952,378 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

<sup>7</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$23,100 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

<sup>8</sup> As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$1,017,000 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

<sup>9</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$1,908,368 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

<sup>10</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$90,000 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

<sup>11</sup> As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$3,707,891 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

<sup>12</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$5,081,068 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

<sup>13</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$4,309,050 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

<sup>14</sup> As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$2,697,456 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

<sup>15</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$2,017,860 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

<sup>16</sup> As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$3,658,450 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

<sup>17</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$81,327 from the SRF to DOJ/ATF in accordance with the provisions of the CSEA.

<sup>18</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$1,920,589 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

<sup>19</sup> The DOJ/ATF indicated System 6 was not identified in the March 2008 First Annual Relocation Report to Congress. The DOJ/ATF states this allows the accelerated release of the spectrum earlier than the originally scheduled transition date of March 2010. DOJ/ATF indicates this is required to implement temporary measures to accommodate early release of spectrum and allows the ATF to continue operations at a diminished capacity until the relocation is complete, which was completed in April 2010.

<sup>20</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$454,261 from the SRF to the DOJ/ATF in accordance with the provisions of the CSEA.

<sup>21</sup> Total additional relocation funds for 2008 are \$17,312,000 and for 2009 the total additional relocation funds are \$14,041,000 and for 2010 the total additional relocation funds are \$6,797,000.



# Department of Justice

## Federal Bureau of Investigation (FBI)

System Number	System Name <sup>1</sup>	Estimated Relocation Timeframe (Months)	Status <sup>2</sup>	Estimated Relocation Cost <sup>3</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>4</sup>	Adjusted Total	Cumulative Outlays
1	Airborne Systems	36	On Time	\$2,000,000	\$30,491,000 <sup>5,6</sup>	-\$11,722,679	\$18,718,321	\$14,976,546
2	L/S Band (RF Systems)	36	On Time	\$77,000,000	\$99,689,562 <sup>7,8</sup>	-\$3,585,920	\$96,103,642	\$85,966,727
3	Central Receive Systems <sup>9</sup>	36	On Time	\$30,000,000	\$49,043,877 <sup>10</sup>	-\$38,664,488	\$10,379,389	\$5,162,574
4	Point to Point (VOIP Systems)	36	On Time	\$27,000,000	\$48,142,732 <sup>11,12</sup>	\$9,583,434	\$57,726,166	\$54,427,299
5	Misc/ Administrative	36	On Time	\$3,225,000	\$24,888,378 <sup>13,14</sup>	\$26,947,177	\$51,835,556	\$34,944,246
6	Sensitive Mission System <sup>15</sup>	36	On Time	\$0	\$30,684,450 <sup>16,17</sup>	-\$1,724,804	\$28,959,646	\$24,485,440
7	Video Storage and Distribution <sup>15</sup>	36	On Time	\$0	\$1,000,000 <sup>18</sup>	\$7,245,753	\$8,245,753	\$6,286,186
8	Accelerated Plan <sup>15,19</sup>	36	On Time	\$0	\$0	\$11,971,527	\$11,971,527	\$11,971,527
<b>Total</b>				<b>\$139,225,000</b>	<b>\$283,940,000<sup>20</sup></b>	<b>\$0</b>	<b>\$283,940,000</b>	<b>\$238,220,545</b>

<sup>1</sup> The February 2007 Office of Management and Budget (OMB) Report to Congress lists FBI as having 119 systems plus one video surveillance system. The correct number should be five. The FBI system numbers have changed only as a result of reporting modifications associated with implementation management. There is no change to specific equipment counts contained in the systems and related reimbursement costs.

<sup>2</sup> The Department of Justice (DOJ)/FBI indicated the systems have been relocated from the 1710-1755 MHz band by implementing an interim solution; it will use the remaining funds to implement a final long-term solution.

<sup>3</sup> Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

<sup>4</sup> The DOJ/FBI states they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF.

<sup>5</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$1,000,000 from the SRF to DOJ/FBI in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

<sup>6</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$27,491,000 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

<sup>7</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$1,000,000 from the SRF to DOJ/FBI in accordance with the provisions of the CSEA.

<sup>8</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$21,689,562 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

<sup>9</sup> The DOJ/FBI states System 3 (Central Receive) is dependent on System 2 (L/S Band (RF Systems)) and funding and plan for System 3 has been consolidated into System 2.

<sup>10</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$19,043,877 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

<sup>11</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$1,000,000 from the SRF to DOJ/FBI in accordance with the provisions of the CSEA.

<sup>12</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$20,142,732 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

<sup>13</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$730,000 from the SRF to DOJ/FBI in accordance with the provisions of the CSEA.

<sup>14</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$20,933,378 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

<sup>15</sup> The DOJ/FBI states it added Systems 6, 7 and 8, which did not appear in the March 2008 First Annual Relocation Report to Congress. The February 2007 OMB Report to Congress identified these systems as critical future needs. DOJ/FBI indicated that funding for these systems was provided from System 2 (L/S Band (RF Systems)).

<sup>16</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$19,000,000 from the SRF to DOJ/FBI in accordance with the provisions of the CSEA.

<sup>17</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$11,684,450 from the SRF to the DOJ/FBI in accordance with the provisions of the CSEA.

<sup>18</sup> As indicated in the January 14, 2009 OMB Congressional Notification from OMB, OMB made a subsequent transfer of \$1,000,000 from the SRF to DOJ/FBI in accordance with the provisions of the CSEA.

<sup>19</sup> The DOJ/FBI states System 8 was added and did not appear in the March 2008 First Annual Relocation Report to Congress. The DOJ/FBI indicates this plan permits the accelerated release of the spectrum earlier than the originally scheduled transition date of March 2010 and was required to implement temporary measures to accommodate early release of spectrum. The DOJ/FBI noted that this plan allows continued operations at a diminished capacity until the relocation is complete, which was completed in April 2009.

<sup>20</sup> Total additional relocation funds for 2009 are \$23,730,000 and for 2010 the total additional relocation funds are \$120,985,000.

# Department of Justice

## Drug Enforcement Administration (DEA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Video Surveillance	36	On Time	\$74,772,000	\$185,510,000 <sup>3,4,5</sup>	\$0	\$185,510,000	\$172,157,247
<b>Total</b>				<b>\$74,772,000</b>	<b>\$185,510,000</b>	<b>\$ 0</b>	<b>\$185,510,000</b>	<b>\$172,157,247</b>

<sup>1</sup> The Department of Justice (DOJ)/DEA indicated this system has been relocated from the 1710-1755 MHz band by implementing an interim solution; it will use remaining funds to implement a final long-term solution.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) Report to Congress.

<sup>3</sup> As indicated in the July 24, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$14,075,000 from the SRF to the DOJ/DEA in accordance with the provisions of the Commercial Spectrum Enhancement Act (CSEA).

<sup>4</sup> As indicated in the January 14, 2009 OMB Congressional Notification, OMB made a subsequent transfer of \$55,687,000 from the SRF to DOJ/DEA in accordance with the provisions of the CSEA.

<sup>5</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$40,976,000 from the SRF to the DOJ/DEA in accordance with the provisions of the CSEA.

## DOJ-Wide Support (Office of the Chief Information Officer)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status	Estimated Relocation Cost <sup>1</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
DOJ	DOJ WIDE SUPPORT	36	On Time	\$800,000	\$800,000	\$0	\$800,000	\$800,000
<b>Total</b>				<b>\$800,000</b>	<b>\$800,000</b>	<b>\$0</b>	<b>\$800,000</b>	<b>\$800,000</b>

<sup>1</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

# Department of Transportation

## Federal Aviation Administration (FAA)

System Number	System Name	Estimated Relocation Timeframe (Months) <sup>1</sup>	Status <sup>2</sup>	Estimated Relocation Cost <sup>3</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>4</sup>	Adjusted Total	Cumulative Outlays
1	Anchorage	43	Complete	\$6,356,917	\$6,356,917	\$492,502	\$6,824,934	\$6,819,550
2	Fairbanks	46	Complete	\$941,755	\$941,755	-\$331,975	\$609,780	\$597,744
3	Kenai	21	Complete	\$1,820,471	\$1,820,471	\$40,221	\$1,860,692	\$1,843,673
4	Norfolk	42	Complete	\$2,891,072	\$2,891,072	-\$1,363,628	\$1,507,444	\$1,498,702
5	Wilkes-Barre	33	Complete	\$932,226	\$932,226	-\$111,039	\$821,187	\$806,085
6	Minneapolis	31	Complete	\$922,954	\$922,954	\$88,882	\$1,001,836	\$989,391
7	Denver-Greeley	32	Complete	\$948,603	\$948,603	-\$97,942	\$850,661	\$846,511
8	Grand Junction including ZDV-ZLC extended system <sup>5</sup>	26	Complete	\$2,770,354	\$2,770,354	\$306,434	\$2,464,011	\$2,436,037
9	Parshall-Red Table	43	Complete	\$2,007,177	\$2,007,177	\$39,750	\$2,046,927	\$2,027,647
10	Miller Peak-Missoula incl. ZSE-BZN & ZLC-BXN extended system <sup>5</sup>	45	Complete	\$1,858,494	\$1,858,494	\$1,259,579	\$3,118,073	\$3,106,392
11	Medford including ZOA-ZSE extended system <sup>5</sup>	20	Complete	\$1,803,988	\$1,803,988	\$1,512,261	\$3,316,249	\$3,300,470
12	Pasco-Wallula	28	Complete	\$949,670	\$949,670	-\$67,445	\$882,225	\$875,363
13	Atlanta	30	Complete	\$941,691	\$941,691	\$397,897	\$1,339,588	\$1,324,074
14	Puerto Rico-Virgin Islands	37	Complete	\$10,661,432	\$10,661,432	--\$430,572	\$10,230,860	\$10,201,770
15	Albuquerque Airport	30	Complete	\$1,842,874	\$1,842,874	\$1,575,920	\$3,418,794	\$3,394,478
16	Albuquerque-Gallup including ZAB-ZDV extended system <sup>5</sup>	40	Complete	\$2,737,380	\$2,737,380	\$83,341	\$2,820,721	\$2,803,928
17	Boron-Rand	44	Complete	\$884,982	\$884,982	-\$884,982	\$0.00	\$0.00
18	Guam	28	Complete	\$2,898,490	\$2,898,490	-\$91,393	\$2,989,883	\$2,989,883
19	Hawaiian Islands	22	Complete	\$11,023,227	\$11,023,227	-\$2,708,612	\$8,314,615	\$8,267,279
20	Hilo	42	Complete	\$1,898,923	\$1,898,923	\$556,808	\$2,455,731	\$2,447,054
21	American Samoa	37	Complete	\$969,346	\$969,346	\$183,985	\$1,153,331	\$1,153,331
<b>Total</b>				<b>\$58,062,020<sup>6</sup></b>	<b>\$58,062,020<sup>6</sup></b>	<b>0</b>	<b>\$58,062,020<sup>6</sup></b>	<b>\$57,729,361</b>

<sup>1</sup> The estimated relocation timeframe listed in the February 2007 Office of Management and Budget (OMB) Report to Congress was 48 months.

<sup>2</sup> The FAA reported it has completed the relocation effort and reached comparable capability.

<sup>3</sup> Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

<sup>4</sup> Agencies indicate they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF.

<sup>5</sup> In June 2008, the FAA stated the NTIA/OMB approved the FAA solution including five extended 7125-8500 MHz RCL systems that were not part of the original 1710-1755 MHz relocation submission. Consistent with this, the FAA is transferring funds from some of the 1710-1755 MHz systems to the five systems that include these 7125-8500 MHz systems. These five systems include Grand Junction (1 extended 7125-8500 MHz system ZDV-ZLC), Miller Peak-Missoula (2 extended 7125-8500 MHz systems: ZSE-BZN & ZLC-BZN), Medford (ZOA-ZSE) and Albuquerque-Gallup (ZAB-ZDV).

<sup>6</sup> A value of \$58,062,020 was contained in the National Telecommunications and Information Administration report to the Federal Communications Commission and Congress, dated December 2005, and the Congressional Notification from OMB, dated February 16, 2007. This is the amount that was actually transferred to the FAA. In response to a request for data for this report, the FAA reported a value of \$58,062,027 for its total estimated relocation costs based on the summation of individual systems. The difference appears to be due to rounding.

# Department of Treasury

## Internal Revenue Service (IRS)

System Number	System Name <sup>1</sup>	Estimated Relocation Timeframe (Months)	Status <sup>2</sup>	Estimated Relocation Cost <sup>3</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Covert Video Surveillance	28	On Time	\$4,409,000	\$4,409,000	\$0	\$4,409,000	\$3,323,885
<b>Total</b>				<b>\$4,409,000</b>	<b>\$4,409,000</b>	<b>\$0</b>	<b>\$4,409,000</b>	<b>\$3,323,885</b>

<sup>1</sup> The February 2007 Office of Management and Budget (OMB) Report to Congress lists the IRS as having 100 systems, but that number represented the total number of devices affected by this relocation rather than the total number of systems. The aggregate number of devices should be considered part of one system for tracking purposes.

<sup>2</sup> The IRS indicated this system has been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

<sup>3</sup> Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

## Treasury Inspector General for Tax Administration (TIGTA)

System Number	System Name <sup>1</sup>	Estimated Relocation Timeframe (Months)	Status <sup>2</sup>	Estimated Relocation Cost <sup>3</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
1	Covert Video Surveillance	28	On Time	\$892,000	\$892,000	\$0	\$892,000	\$806,284
<b>Total</b>				<b>\$892,000</b>	<b>\$892,000</b>	<b>\$0</b>	<b>\$892,000</b>	<b>\$806,284</b>

<sup>1</sup> The February 2007 Office of Management and Budget (OMB) Report to Congress lists TIGTA as having ten systems. The correct number should be one since the number reported in February 2007 represented the total number of devices affected by this relocation rather than the total number of systems. The aggregate number of devices should be considered part of one system for tracking purposes.

<sup>2</sup> The TIGTA indicated this system has been relocated from the 1710-1755 MHz band, although funds may continue to be used to implement the transition.

<sup>3</sup> Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

# National Aeronautics and Space Administration

## National Aeronautics and Space Administration (NASA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>3</sup>	Adjusted Total	Cumulative Outlays
1	Air-to-Ground Video Telemetry System	24	Complete	\$720,000	\$720,000	\$401	\$720,401	\$720,401
2	Video Surveillance System	12	Complete	\$20,000	\$20,000	-\$401	\$19,599	\$ 19,599
			<b>Total</b>	<b>\$740,000</b>	<b>\$740,000</b>	<b>\$0</b>	<b>\$740,000</b>	<b>\$740,000</b>

<sup>1</sup> NASA reported it has completed the relocation effort and reached comparable capability.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget Report to Congress.

<sup>3</sup> The reported cost to replace and relocate System 2 Video Surveillance System was \$20,000.00. This was reported as a cumulative outlay in 2008 as \$20,000.00; however it was reported in error and should have been \$19,599,000. The \$401.00 was transferred to System 1.

# Tennessee Valley Authority

## Tennessee Valley Authority (TVA)

System Number	System Name	Estimated Relocation Timeframe (Months)	Status <sup>1</sup>	Estimated Relocation Cost <sup>2</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments <sup>3</sup>	Adjusted Total	Cumulative Outlays
1	Nashville – Paradise Fossil Plant	48	Complete	\$4,396,600	\$8,714,800 <sup>4,5</sup>	-\$29,232	\$8,685,568	\$8,685,568
2	Shawnee Fossil Plant – Department of Energy United States Enrichment Corporation	36	Complete	\$1,993,900	\$2,288,900 <sup>6</sup>	\$45,626	\$2,334,526	\$2,334,526
3	Weakley – Hickman	48	Complete	\$1,109,300	\$1,224,300 <sup>7</sup>	\$0	\$1,224,300	\$1,224,300
4	Power System Control Center - Bellefonte Nuclear Plant	48	Complete	\$1,875,400	\$2,030,400 <sup>8</sup>	\$0	\$2,030,400	\$2,030,400
5	Oak Ridge - Bull Run Fossil Plant	36	Complete	\$656,330	\$656,330	-\$50,715	\$605,615	\$605,615
6	Franklin – Sewanee	36	Complete	\$656,327	\$836,327 <sup>9</sup>	\$34,321	\$870,648	\$870,648
<b>Total</b>				<b>\$10,687,857</b>	<b>\$15,751,057</b>	<b>\$0</b>	<b>\$15,751,057</b>	<b>\$15,751,057</b>

<sup>1</sup> TVA reported it has completed the relocation effort and reached comparable capability.

<sup>2</sup> Pre-relocation estimates as indicated in the February 2007 Office of Management and Budget (OMB) Report to Congress.

<sup>3</sup> Agencies indicate they are transferring funds between systems due to either higher or lower than estimated costs to relocate and this action does not affect the total amount received from the SRF.

<sup>4</sup> As indicated in the August 27, 2008 OMB Congressional Notification, OMB made a subsequent transfer of \$3,333,200 from the SRF to TVA in accordance with the provisions of the CSEA.

<sup>5</sup> As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$985,000 from the SRF to TVA in accordance with the provisions of the CSEA.

<sup>6</sup> As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$295,000 from the SRF to TVA in accordance with the provisions of the CSEA.

<sup>7</sup> As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$115,000 from the SRF to TVA in accordance with the provisions of the CSEA.

<sup>8</sup> As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$155,000 from the SRF to TVA in accordance with the provisions of the CSEA.

<sup>9</sup> As indicated in the December 15, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$180,000 from the SRF to TVA in accordance with the provisions of the CSEA.

# United States Postal Service

## Inspection Service

System Number	System Name <sup>1</sup>	Estimated Relocation Timeframe (Months)	Status <sup>2</sup>	Estimated Relocation Cost <sup>3</sup>	Total Transferred From Spectrum Relocation Fund (SRF)	Intra-Agency Adjustments	Adjusted Total	Cumulative Outlays
USPS001	Video Surveillance	12	On Time	\$1,761,760	\$8,333,760 <sup>4</sup>	\$0	\$8,333,760	\$4,112,501
			<b>Total</b>	<b>\$1,761,760</b>	<b>\$8,333,760</b>	<b>\$0</b>	<b>\$8,333,760</b>	<b>\$4,112,501</b>

<sup>1</sup> The February 2007 Office of Management and Budget (OMB) Report to Congress lists the Inspection Service as having 508 systems. The United States Postal Service (USPS)/Inspection Service reports it is in fact one system utilizing 508 devices.

<sup>2</sup> USPS/Inspection Service indicated this system has been relocated from the 1710-1755 MHz band, although it may continue to use funds to implement the transition.

<sup>3</sup> Pre-relocation estimates as indicated in the February 2007 OMB Report to Congress.

<sup>4</sup> As indicated in the February 16, 2010 OMB Congressional Notification, OMB made a subsequent transfer of \$6,572,000 from the SRF to the USPS in accordance with the provisions of the CSEA.