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**800 MHz TRANSITION ADMINISTRATOR, LLC  
QUARTERLY PROGRESS REPORT  
FOR THE QUARTER ENDED MARCH 31, 2019**

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**JUNE 14, 2019**

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As explained in a Note on page 21, certain Appendices have been removed from the Quarterly Progress Report.

**APPENDIX 1                      Status of Reconfiguration for Mexican Border Non-Public Safety Licensees: Milestones Completed by Number of Frequency Reconfiguration Agreements, Per Wave, Per Region, as of March 31, 2019**

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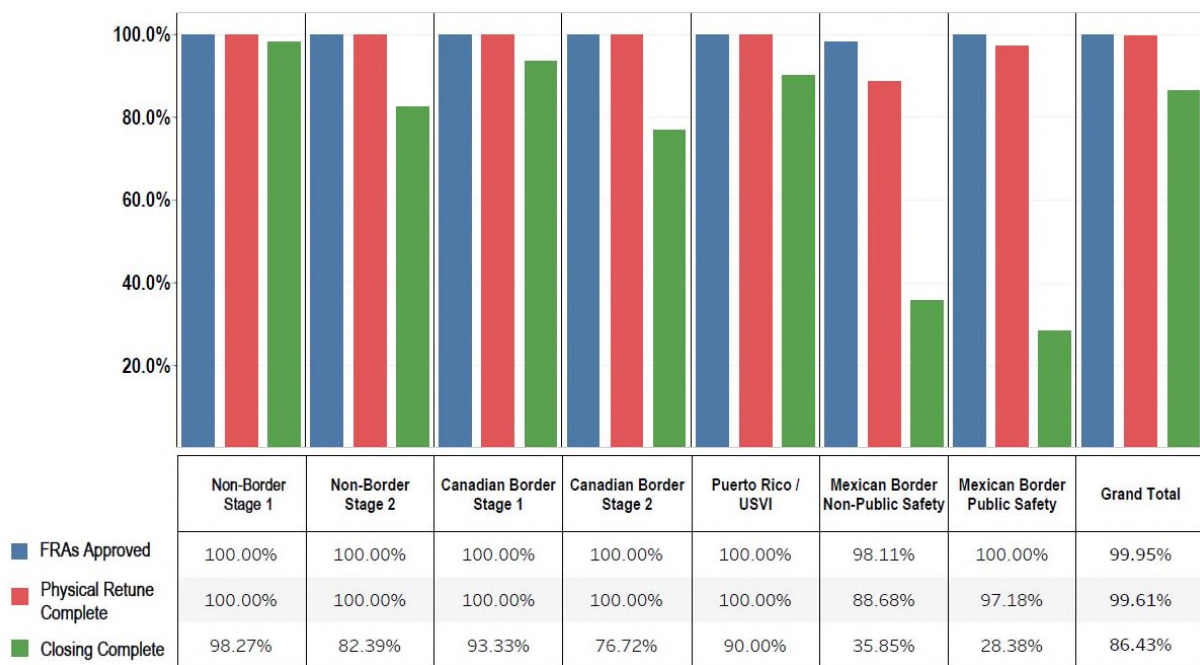
## OVERVIEW

The 800 MHz Transition Administrator, LLC (“TA”) provides its Quarterly Progress Report to the Federal Communications Commission (“FCC”) regarding the progress of the reconfiguration of the 800 MHz band for the quarter ended March 31, 2019. Pursuant to the FCC’s *Reconfiguration Orders*,<sup>1</sup> the TA, as the manager of the reconfiguration effort, is required to report on a quarterly basis the progress of band reconfiguration.<sup>2</sup>

### Reconfiguration Progress Overview

Chart 1 shows the status of Frequency Reconfiguration Agreement (“FRA”) negotiations, implementation, and closing for each stage of the reconfiguration program as of March 31, 2019.

**Chart 1: Status of Negotiations, Physical Retuning, and Closing<sup>3</sup>**



<sup>1</sup> Improving Public Safety Communications in the 800 MHz Band, *Report and Order, Fifth Report and Order, Fourth Memorandum Opinion and Order, and Order*, 19 FCC Rcd 14969 (2004) (“*Report and Order*”); *Supplemental Order and Order on Reconsideration*, 19 FCC Rcd 25120 (2004); *Second Report and Order*, 23 FCC Rcd 7605 (2008); *Third Report and Order and Third Further Notice of Proposed Rulemaking*, 25 FCC Rcd 4443 (2010); *Fourth Report and Order*, 26 FCC Rcd 1937 (2011); *Fifth Report and Order*, 28 FCC Rcd 4085 (2013) (collectively “*Reconfiguration Orders*”).

<sup>2</sup> See 47 C.F.R. § 90.676(b)(3).

<sup>3</sup> Non-border Stage 1 (one FRA), non-border Stage 2 (28 FRAs), and Mexican Border Public Safety (three FRAs) each include FRAs for agencies that are users on another licensee’s radio system. These agencies have no channels to clear and therefore will not achieve the milestone used by Sprint Corporation (“Sprint”) and the TA to measure the

### Mexican Border Licensees<sup>4</sup>

All of the 127 FRAs anticipated for Mexican border licensees have been negotiated and submitted to the TA. After FRA approval by the TA, licensees with replacement frequencies that are clear may proceed with implementation activities. Mexican border licensees retuned, reflashed, or replaced approximately 1,700 radios (first touches) in the first quarter of 2019, raising the total number complete to approximately 255,000 radios as of March 31, 2019. During the first quarter of 2019, seven Mexican border licensees completed their physical retunes.<sup>5</sup> As of March 31, 2019, Mexican border licensees in 116 FRAs (including 69 FRAs for Public Safety licensees and 47 FRAs for non-Public Safety licensees) completed their physical retunes and transitioned to their new channels, which represents 94 percent of all Mexican border FRAs. All of the licensees in NPSPAC Region 3: Arizona and NPSPAC Region 29: New Mexico have completed physical reconfiguration activities.<sup>6</sup> Chart 2 shows the reconfiguration status of the FRAs for Mexican border non-Public Safety and Public Safety licensees.

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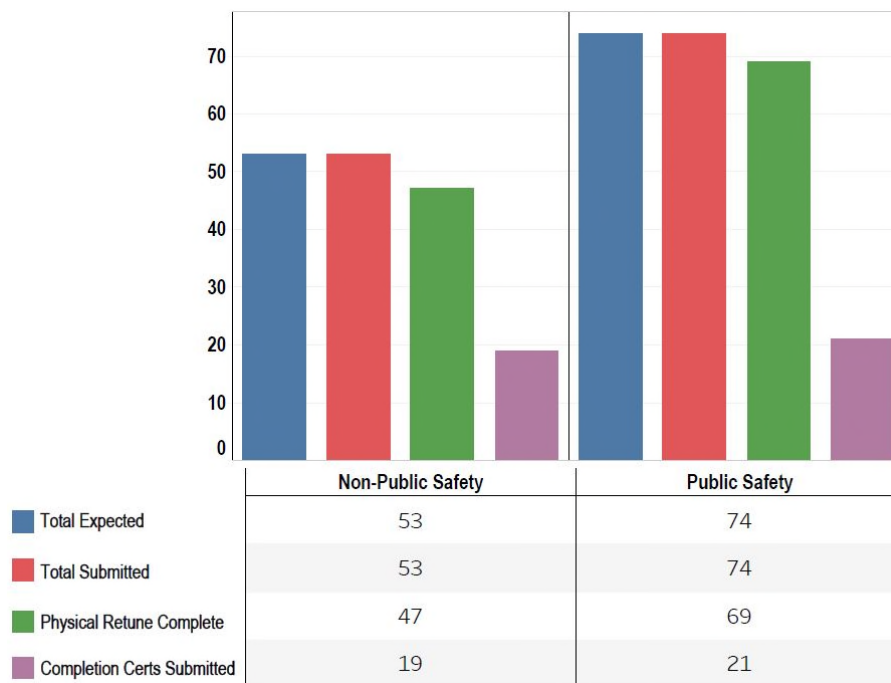
completion of physical retuning. Those FRAs are not included in the calculations for the physical retune complete percentages.

<sup>4</sup> The term “Mexican border licensees” includes U.S. licensees operating in the Sharing Zone (*i.e.*, within 110 kilometers of the U.S.-Mexico border) and in the portions of the NPSPAC regions bordering Mexico that are outside the Sharing Zone.

<sup>5</sup> The completion of physical retuning means the licensee retuned its infrastructure to operate on its replacement frequencies and cleared its old frequencies (*i.e.*, it retuned its base stations to its new channels). The licensee is considered to have completed physical retuning even if it has not completed a second (or subsequent) touch of its subscriber units to remove the pre-rebanding channels.

<sup>6</sup> The completion of all physical reconfiguration activities includes the completion of physical retuning (as defined in footnote 5) and, where applicable, completion of the “second touch.” Completion of the “second touch” means that the licensee, if provided for in the FRA, has completed a second (or subsequent) touch of its subscriber units to remove the pre-rebanding channels.

**Chart 2: Mexican Border FRAs Reconfiguration Status as of March 31, 2019**



Mexican border licensees, especially those that block or have interoperability dependencies with other U.S. licensees, should continue with implementation activities to the extent authorized by the TA. A delay in the completion of an implementation task by a licensee that has a downstream impact on other licensees (*e.g.*, by blocking another licensee's replacement frequencies) can have a cascading effect and cause delays for other dependent licensees and, in some cases, for an entire region.

All border area licensees in Mexico cleared their frequencies by the end of September 2018. There were unlicensed operations in Mexico that blocked two U.S. licensees as of March 31, 2019. The FCC and the Government of Mexico are working to clear them to remove any remaining blocks to completion of rebanding. After a U.S. licensee's replacement frequencies are clear of blocks in Mexico, the TA grants full approval of the FRA, and the licensee may modify its FCC licenses, reconfigure its infrastructure, and move forward with its remaining implementation activities. The TA did not grant any full approvals for affected U.S. licensees during the first quarter of 2019. As of March 31, 2019, the TA had granted full approval of 54 FRAs for affected U.S. licensees. One additional FRA was fully approved through June 14, 2019. Only one FRA with conditional approval remains, and the affected licensee that remains blocked is located in Texas.

Licensees that have been informed their replacement frequencies are clear are completing their implementation activities. According to reports from licensees and Sprint, the implementation work is generally occurring rapidly because the licensees had done the necessary preparatory activities and were well positioned when their replacement frequencies became

available. Licensees that completed infrastructure reconfiguration are working on the second touch of their subscriber units, if provided for in their FRAs.

### **Closing of Reconfiguration Activities**

Closing requirements are established by the FCC's Orders and the contractual provisions of the Planning Funding Agreement ("PFA") or the FRA. A licensee's obligation to complete reconfiguration in good faith is not fulfilled until the completion of all closing requirements following physical reconfiguration. The FCC's Public Safety and Homeland Security Bureau ("PSHSB") has reminded licensees that closing activities "are requirements of the reconfiguration program."<sup>7</sup>

During the first quarter of 2019, 18 FRA Completion Certifications were submitted to the TA. As of March 31, 2019, 1,856 FRAs had closed, which includes 35 FRAs that were pending TA review of the FRA Completion Certification or other FRA closing documents. Of the FRAs for which physical reconfiguration activities were complete, there were 226 FRAs pending in the closing process as of March 31, 2019. Licensees and Sprint are strongly encouraged to work on and complete all the necessary activities towards closing their FRAs and submitting FRA Completion Certifications as quickly as possible. Delays in closing can result in misplaced or lost actual cost support documentation resulting in the licensee not being reimbursed for undocumented costs, delays in licensees receiving final payments, and other issues that could substantially impact amounts owed by or due to Sprint.

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<sup>7</sup> See Improving Public Safety Communications in the 800 MHz Band, Supplemental Requests for Waiver of June 26, 2008 Rebanding Deadline for Non-Border Regions, March 19, 2012 Rebanding Deadline for Puerto Rico and April 15, 2013 Rebanding Deadline for U.S.-Canada Border Regions, *Order*, 30 FCC Rcd 200, 202, para. 10 (2015).



## I. RECENT DEVELOPMENTS

This section discusses recent developments in the program.

### A. Certifications of Completion of Band Reconfiguration

On February 14, 2019, the TA certified that band reconfiguration is complete in NPSPAC Region 6: California – North.<sup>8</sup> As of March 31, 2019, the TA had certified that band reconfiguration is complete in a total of 44 NPSPAC regions and three U.S. territories pursuant to the requirements in the *Report and Order* and the FCC’s rules.<sup>9</sup> On April 16, 2019, the TA certified that band reconfiguration is complete in NPSPAC Region 27: Nevada.<sup>10</sup> The certifications signify that all licensees in these regions that were subject to reconfiguration have relocated to their new channels and modified their FCC licenses to delete their old frequencies or cancelled their licenses. Licensees in these regions still may need to complete a second (or subsequent) touch of their subscriber units to remove the pre-rebanding channels, submit final reconfiguration cost documentation to Sprint and/or the TA, complete the Actual Cost Reconciliation process, or close their FRAs in order for them to complete their individual reconfiguration activities.

### B. Vacated Channels and NPSPAC Clearing

The FCC tasked the TA with monitoring the NPSPAC clearing process in its October 30, 2008 Order.<sup>11</sup> As NPSPAC licensees modify their licenses to clear channels in the old NPSPAC band and reach certain clearing benchmarks in NPSPAC regions, Sprint will vacate additional Expansion Band and Guard Band spectrum in those regions. During the first quarter of 2019, three NPSPAC regions showed increased clearing: Region 5: Southern California, Region 53: Texas – San Antonio, and Region 50: Texas – El Paso. Regions 53 and 50 reached 100 percent clearing for NPSPAC channels, leaving only a relatively small number of non-NPSPAC channels remaining to be cleared in those areas. Region 5 is the only NPSPAC region with any remaining

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<sup>8</sup> See Letter from Brett S. Haan, TA, to David L. Furth, PSHSB, WT Docket No. 02-55 (filed Feb. 14, 2019).

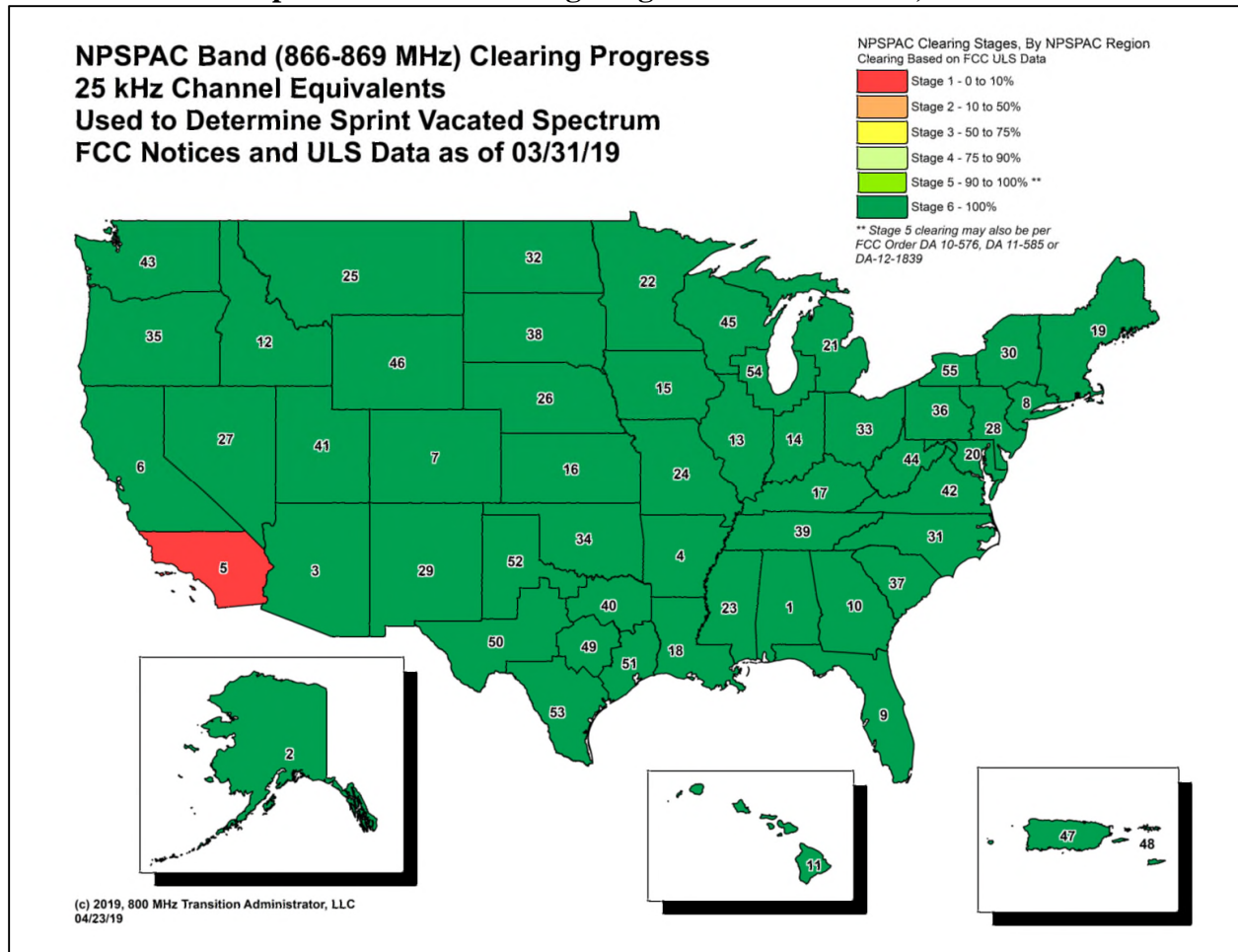
<sup>9</sup> The regions are NPSPAC Region 1: Alabama, Region 2: Alaska, Region 6: California – North, Region 7: Colorado, Region 8: New York – Metropolitan, Region 9: Florida, Region 10: Georgia, Region 11: Hawaii, Region 12: Idaho, Region 13: Illinois, Region 14: Indiana, Region 15: Iowa, Region 16: Kansas, Region 17: Kentucky, Region 18: Louisiana, Region 19: New England, Region 20: Maryland, Washington, DC, and Virginia – Northern, Region 21: Michigan, Region 22: Minnesota, Region 23: Mississippi, Region 24: Missouri, Region 25: Montana, Region 26: Nebraska, Region 28: New Jersey, Pennsylvania, and Delaware, Region 30: New York – Albany, Region 31: North Carolina, Region 32: North Dakota, Region 33: Ohio, Region 35: Oregon, Region 36: Pennsylvania, Region 37: South Carolina, Region 38: South Dakota, Region 39: Tennessee, Region 41: Utah, Region 42: Virginia, Region 43: Washington, Region 44: West Virginia, Region 45: Wisconsin, Region 46: Wyoming, Region 47: Puerto Rico, Region 48: U.S. Virgin Islands, Region 51: Texas – Houston, Region 54: Chicago – Metropolitan, and Region 55: New York – Buffalo. The three U.S. territories are American Samoa, the Northern Mariana Islands and Guam. Appendix 2 contains a map of the regions for which the TA filed certifications as of March 31, 2019.

<sup>10</sup> See Letter from Brett S. Haan, TA, to David L. Furth, PSHSB, WT Docket No. 02-55 (filed Apr. 16, 2019).

<sup>11</sup> See Improving Public Safety Communications in the 800 MHz Band, Relinquishment By Sprint Nextel of Channels in the Interleaved, Expansion, and Guard Bands, *Order*, 23 FCC Rcd 15966, 15973, para. 18 (2008).

NPSPAC channels to clear. Map 1 contains information about the status of clearing of channels in the old NPSPAC band in each region.<sup>12</sup> The TA encourages licensees to file FCC license modifications necessary to delete reconfigured frequencies as soon as possible after clearing those frequencies.

**Map 1: NPSPAC Clearing Progress as of March 31, 2019<sup>13</sup>**



<sup>12</sup> Appendix 2 contains additional tables and maps detailing the progress in clearing NPSPAC regions and frequencies.

<sup>13</sup> The percentages for the stages noted in Map 1 were modified by the FCC's March 31, 2010 Order and the data in the map reflects those percentages and stages. See *Improving Public Safety Communications in the 800 MHz Band, Relinquishment By Sprint Nextel of Channels in the Interleaved, Expansion, and Guard Bands*, Order, 25 FCC Rcd 3270 (2010). Pursuant to that Order, the FCC's March 31, 2011 Order, and the FCC's November 27, 2012 Public Notice, certain NPSPAC regions were classified as Stage 5 without regard to the percentage of actual clearing of NPSPAC channels. See *Improving Public Safety Communications in the 800 MHz Band, Relinquishment By Sprint Nextel of Channels in the Interleaved, Expansion, and Guard Bands*, Order, 26 FCC Rcd 5004 (2011); "Public Safety and Homeland Security Bureau Announces Application and Licensing Procedures for Channels in Non-Border Regions Relinquished by Sprint Nextel Corporation in the 809.5-815/854.5-860 MHz Band," Public Notice, 27 FCC Rcd 14785 (2012). Appendix 2 contains a map that shows stages based on actual clearing of NPSPAC channels.

## II. QUARTERLY UPDATE

This section highlights the key areas within each stage and provides financial and support information about the program.

### A. Update by Stage and Wave

The band reconfiguration program in non-border areas consists of two stages of activity: the clearing of 806-809 MHz/851-854 MHz (Channels 1-120)<sup>14</sup> in Stage 1 and the relocation of NPSPAC channel users to this vacated spectrum in Stage 2.

#### 1. Stage 1 (Channels 1-120)

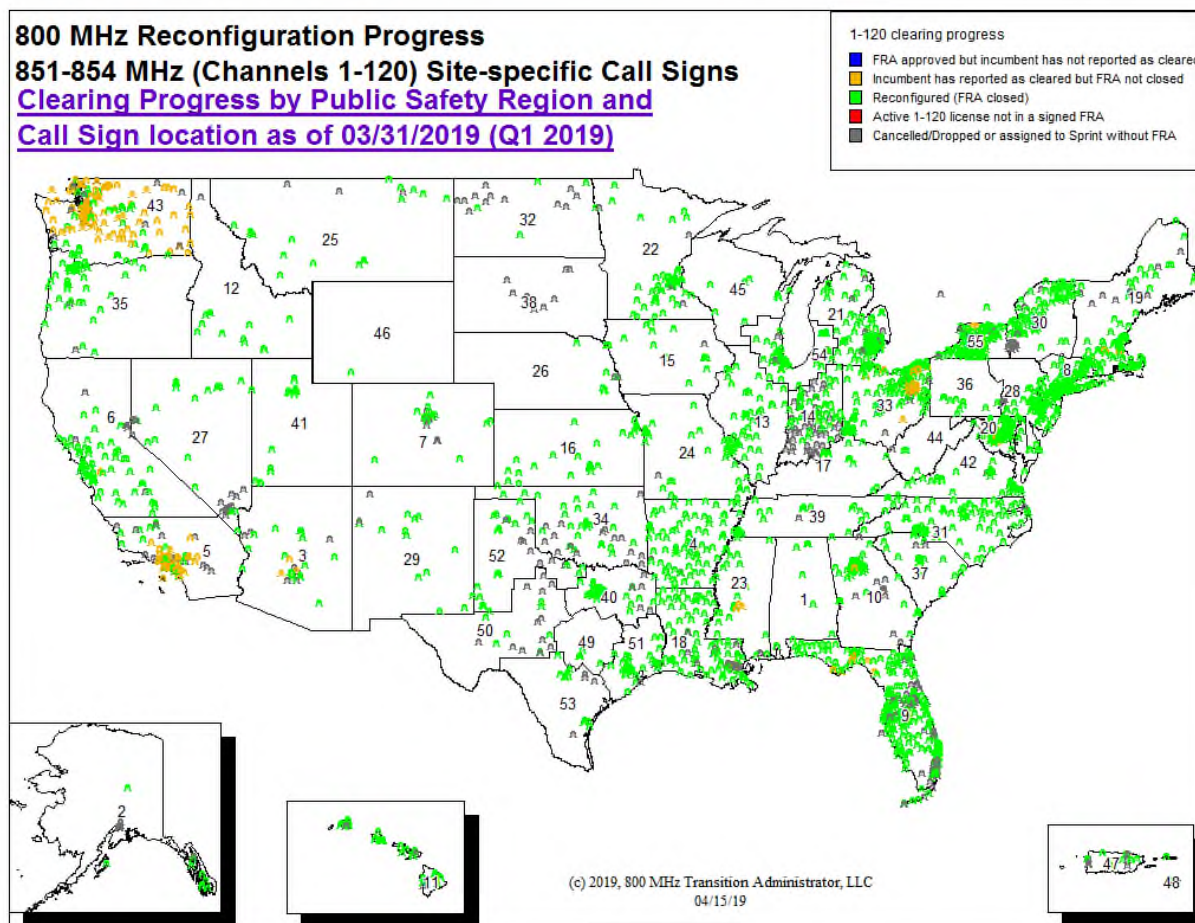
FRA negotiations and physical reconfiguration of non-border Stage 1 licensees are complete. As of July 2015, physical retuning was complete for 926 FRAs, which is 100 percent of non-border Channels 1-120 FRAs.<sup>15</sup> As of March 31, 2019, 100 percent of the Stage 1 Channels 1-120 site-specific call signs, including border areas, were reported by Sprint as being cleared by licensees. Map 2 shows the progress of clearing Channels 1-120 to allow relocation of the NPSPAC band, with material progress in all areas of the country.

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<sup>14</sup> The references herein to Channels 1-120 reflect the pre-rebanding channel designations of the 806-809 MHz/851-854 MHz band segment. Post-rebanding, this band segment is the NPSPAC band designated as Channels 1-230.

<sup>15</sup> The FRA total for non-border Stage 1 includes one FRA for an agency that is a user on another licensee's radio system. This agency has no channels to clear and therefore will not achieve the milestone used by Sprint and the TA to measure the completion of physical retuning, so this FRA is not included in the calculation for the physical retune complete percentage.

**Map 2: Channels 1-120 Locations and Reconfiguration Status, by NPSPAC Region as of March 31, 2019<sup>16</sup>**



## 2. Stage 2 (NPSPAC and Expansion Band)

All of the 852 FRAs anticipated for non-border Stage 2 licensees have been submitted to the TA. The TA has approved 852 FRAs with a contract value, including amendments, totaling \$793.5 million.

Non-border Stage 2 licensees retuned, reflashed, or replaced approximately 1,577,100 radios (first touches). There are 824 non-border Stage 2 FRAs for which licensees completed their physical retunes and transitioned to their new channels. As of October 2017, physical retuning was complete for 100 percent of non-border Stage 2 FRAs.<sup>17</sup>

<sup>16</sup> The licensee clearing information is provided by Sprint. Locations noted on the map are based upon ULS data regarding Channels 1-120 licensing as of November 2004.

<sup>17</sup> The FRA total for non-border Stage 2 includes 28 FRAs for agencies that are users on another licensee's radio system. These agencies have no channels to clear and therefore will not achieve the milestone used by Sprint and the

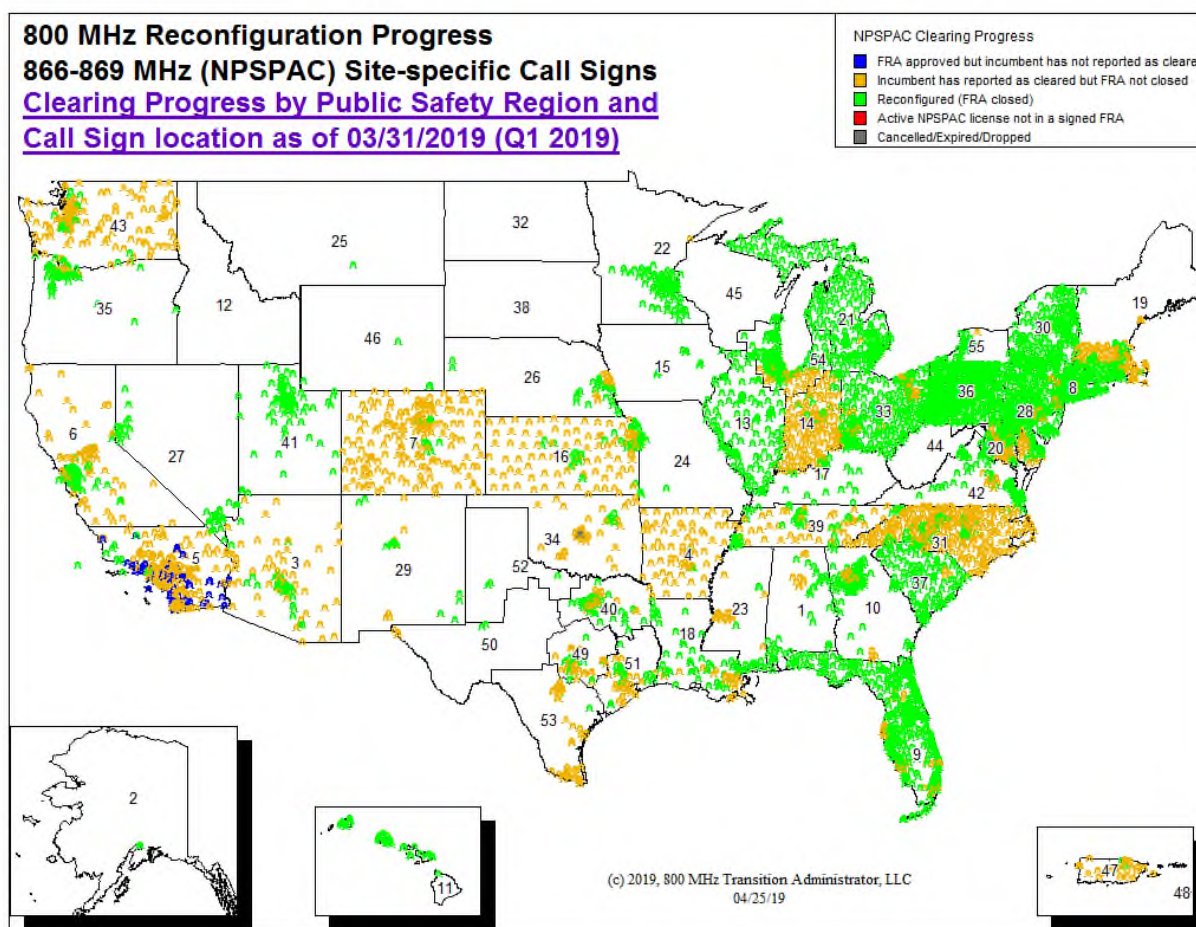


There are a number of FRAs that have not closed. As of March 31, 2019, there were 126 non-border Stage 2 FRAs for which an FRA Completion Certification was not submitted.

As of March 31, 2019, 98 percent of the Stage 2 call signs were reported by Sprint as being cleared by licensees. Information about reconfiguration milestones achieved by number of call signs is available in Appendix 2.

Map 3 depicts NPSPAC reconfiguration progress, as of March 31, 2019, by licensed NPSPAC locations. Progress on Expansion Band clearing is detailed in Appendix 2.

**Map 3: NPSPAC Locations and Reconfiguration Status, by NPSPAC Region as of March 31, 2019<sup>18</sup>**



TA to measure the completion of physical retuning, so these FRAs are not included in the calculation for the physical retune complete percentage.

<sup>18</sup> This map shows frequency clearing as reported by the licensee to Sprint. Licensees generally report clearing before they file license modifications to delete cleared frequencies. Map 1 reflects clearing based on ULS licensing data,

### **3. Canadian Border Regions**

The 30-month transition period for reconfiguration of licensees in the U.S.-Canada border regions began on October 14, 2008.<sup>19</sup> There are two stages for the reconfiguration of Canadian border licensees. Stage 1 includes non-Public Safety licensees, such as Business, Industrial, and Land Transportation (“B/ILT”) and non-cellular Specialized Mobile Radio (“SMR”) licensees. Stage 2 is comprised of both NPSPAC and non-NPSPAC Public Safety licensees. The Canadian border reconfiguration also includes clearing of channels in the 854-860 MHz range for Public Safety use and reconfiguration of frequencies in the 861-865 MHz range to separate ESMR systems into the higher portion of the band. The exact frequencies being reconfigured vary in each FCC-defined Canadian Border Region.

All of the 191 FRAs anticipated for Canadian border region Stage 1 and Stage 2 licensees have been submitted to the TA. The TA has approved 191 FRAs with a contract value, including amendments, totaling \$146.2 million.

As of August 2014, physical retuning was complete for all 75 Canadian border Stage 1 FRAs. Canadian border Stage 2 licensees retuned, reflashed, or replaced approximately 220,000 radios (first touches). As of August 2016, the licensees in all 116 Canadian border Stage 2 FRAs completed their physical retunes and transitioned to their new channels.

As of March 31, 2019, there were 25 Canadian border FRAs for which an FRA Completion Certification was not submitted.

### **4. Mexican Border**

The 30-month transition period for Mexican border licensees to complete reconfiguration began on August 23, 2013 and ended on February 23, 2016.<sup>20</sup> Mexican border licensees include U.S. licensees operating within the Sharing Zone and licensees operating in the portions of the NPSPAC regions bordering Mexico that are outside the Sharing Zone.<sup>21</sup>

The TA has implemented a conditional FRA approval process for licensees closer to the border with more potential for interference with operations in Mexico. The TA has conditioned

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which is the basis for determining the release of additional Interleaved Band, Expansion Band, and Guard Band spectrum by Sprint.

<sup>19</sup> See “Public Safety and Homeland Security Bureau Announces that the 30-Month Transition Period for 800 MHz Band Reconfiguration in Regions Along the U.S.-Canada Border will Commence on October 14, 2008,” *Public Notice*, 23 FCC Rcd 14877 (2008).

<sup>20</sup> See “Public Safety and Homeland Security Bureau Announces that the 30-Month Transition Period for 800 MHz Band Reconfiguration in Regions Along the U.S.-Mexico Border Will Commence on August 23, 2013,” *Public Notice*, 28 FCC Rcd 12290 (2013).

<sup>21</sup> The affected regions are NPSPAC Region 3: Arizona, NPSPAC Region 5: Southern California, NPSPAC Region 29: New Mexico, NPSPAC Region 50: Texas – El Paso, and NPSPAC Region 53: Texas – San Antonio.

the approval of the FRAs for such licensees, allowing them to proceed with critical work like replacement and reprogramming of subscriber units, but not authorizing the modification of FCC licenses or the reconfiguration of infrastructure until the replacement frequencies are clear. This allows licensees to make progress on certain implementation tasks while details on clearing frequencies in Mexico continue to be worked out by the governments of the U.S. and Mexico. When a licensee's replacement frequencies are clear, the TA grants full approval of the FRA, and the licensee can modify its FCC licenses and reconfigure its infrastructure.

**a. Frequency Proposals**

The TA's frequency planning activities in the U.S.-Mexico border-affected area in the first quarter of 2019 continued to address licensees' concerns with replacement frequencies and blocking from operations in Mexico. Frequency changes continued to be made, where feasible, to provide licensees with replacement frequencies that are less likely to be affected by operations in Mexico and allow them to receive full approval of their FRAs rather than the conditional approval noted above. Given the progress in reconfiguration along the border area, it is likely there will be few additional frequency changes in the future. Additional information about Frequency Proposal Reports is provided in Appendix 5.

**b. Planning and Negotiations**

As of March 31, 2019, 39 PFAs, with a total contract value, including amendments, of \$9.5 million, were approved by the TA for Mexican border licensees.

As of March 31, 2019, all of the 127 FRAs anticipated for Mexican border licensees were submitted to the TA with a total contract value, including amendments, of \$136.2 million. In addition, Mexican border licensees and Sprint had entered into 39 Letter Agreements, which are short-form agreements that have been used in lieu of FRAs for certain reconfigurations with no costs or low costs. Table 1 provides information about the status of FRA negotiations, implementation, and closing for Mexican border licensees.

**Table 1: Status of Reconfiguration for Mexican Border Licensees as of March 31, 2019  
(milestones achieved by number of FRAs)<sup>22</sup>**

		Non-Public Safety	Public Safety	Total
<b>FRA Negotiations and Approval</b>	<b>Anticipated FRAs</b>	53	74	<b>127</b>
	<b>FRAs Submitted to TA</b>	53	74	<b>127</b>
	<b>FRAs Approved by TA</b>	52	74	<b>126</b>
	<b>% of Anticipated FRAs Approved by TA</b>	98%	100%	<b>99%</b>
	<b>FRAs with Conditional Approval</b>	1	1	<b>2<sup>23</sup></b>
<b>Reconfiguration Implementation and Closing</b>	<b># of FRAs with Physical Retunes Reported as Completed</b>	47	69	<b>116</b>
	<b>% of Anticipated FRAs with Physical Retunes Reported as Completed</b>	89%	97%	<b>94%<sup>24</sup></b>
	<b>Completion Certifications Submitted to TA</b>	19	21	<b>40</b>
	<b>Completion Certifications Assessed by TA</b>	19	21	<b>40</b>
	<b>% of Anticipated FRAs with Completion Certifications Assessed by TA</b>	36%	28%	<b>32%</b>

Appendices 1C and 3C provide additional information about the status of FRA negotiations for Mexican border licensees.

### **c. Reconfiguration Implementation**

Mexican border licensees are working on implementation activities. After their FRAs are approved by the TA, licensees with replacement frequencies that are clear may proceed with

<sup>22</sup> Sprint is the data source for the number of anticipated FRAs in row 2 and the number of FRAs with physical retunes reported as completed in row 7. The figures have not been verified by the TA.

<sup>23</sup> A total of 56 FRAs initially received conditional approval. As of March 31, 2019, 54 of those FRAs have received full approval.

<sup>24</sup> The FRA total for Mexican Border Public Safety includes three FRAs for agencies that are users on another licensee's radio system. These agencies have no channels to clear and therefore will not achieve the milestone used by Sprint and the TA to measure the completion of physical retuning. These FRAs are not included in the calculations for the physical retune complete percentages. Physical retune complete numbers and percentages for Mexican Border Public Safety are based on 71 FRAs.



implementation activities, including reconfiguring subscriber units and infrastructure. A number of licensees are performing, or have completed, such implementation activities. A key component of reconfiguration implementation is the retuning, reflashing, and/or replacement of subscriber equipment. Mexican border licensees retuned, reflashed, or replaced approximately 1,700 radios (first touches) in the first quarter of 2019, raising the total number complete to approximately 255,000 radios as of March 31, 2019.

Another significant milestone in the implementation process is the retuning of base stations to the licensee's new channel assignments and commencement of system operations on the new channels. During the first quarter of 2019, seven Mexican border licensees completed their physical retunes. As of March 31, 2019, there were 116 FRAs for which Mexican border licensees had completed their physical retunes and transitioned to their new channels. This does not include licensees with post-cutover subscriber unit second touches or other technical work. As of March 31, 2019, physical retuning was complete for 94 percent of Mexican border FRAs.

Some Mexican border licensees in the Sharing Zone were blocked from proceeding with certain implementation activities due to operations in Mexico that were not cleared from their replacement frequencies. The TA initially conditioned the approval of 56 FRAs for these impacted licensees, approving the reconfiguration of subscriber units, but not authorizing the modification of FCC licenses or the reconfiguration of infrastructure until the replacement frequencies are clear. There were two FRAs with conditional approval as of March 31, 2019.

The 800 MHz system operators in Mexico have been issued authorizations to reconfigure their systems to remove blocking of U.S. licensees, and all licensed operators in Mexico were reported cleared by the end of the second quarter of 2018 and frequency scanning in the border areas confirmed their clearing in the third quarter of 2018. Clearing a few remaining unlicensed users in Mexico is a priority for the Governments of the U.S. and Mexico. After a U.S. licensee's blocked replacement frequencies are confirmed clear, the TA grants full approval of the FRA, and the licensee may modify its FCC licenses and reconfigure its infrastructure. As of March 31, 2019, the TA granted full approval of 54 FRAs for affected U.S. licensees. One additional FRA was fully approved through June 14, 2019. Only one FRA with conditional approval remains, and the affected licensee that remains blocked is located in Texas.

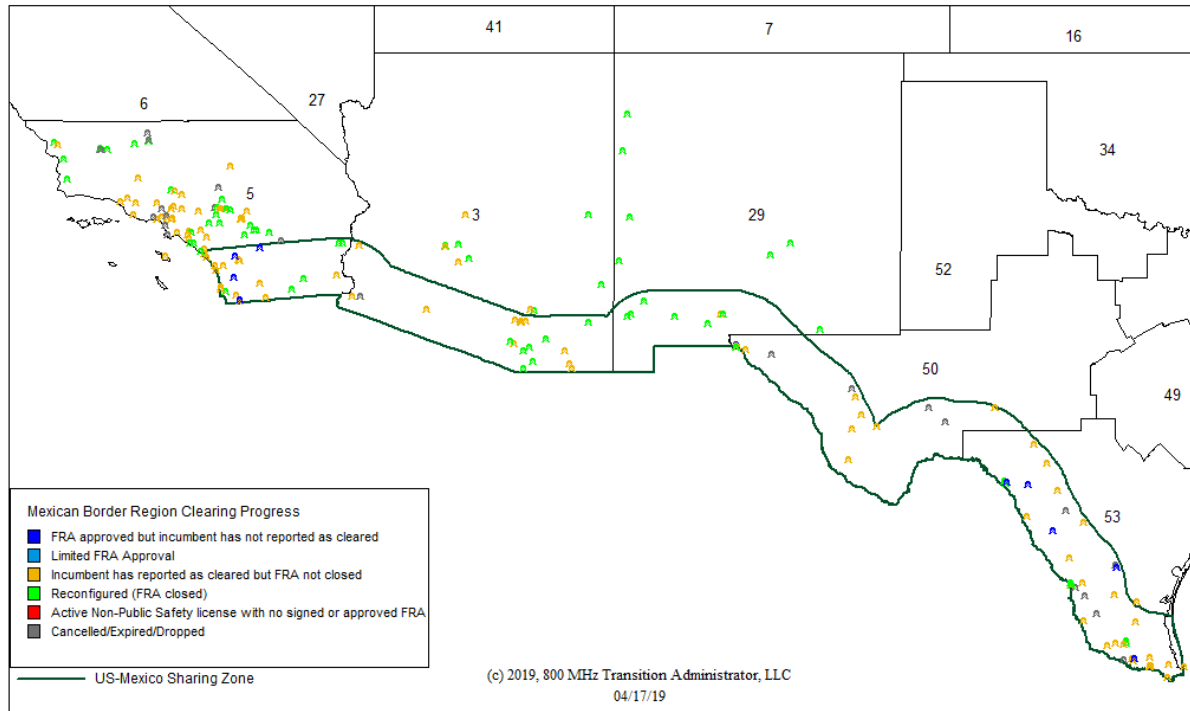
Map 4 shows the licensed base station locations of Mexican border non-Public Safety licensees and their FRA and implementation status.

### Map 4: Mexican Border Non-Public Safety Clearing Progress

#### 800 MHz Reconfiguration Progress

#### Mexican Border Region, Non-Public Safety Site-specific Call Signs

#### Clearing Progress and Call Sign location as of 03/31/2019 (Q1 2019)



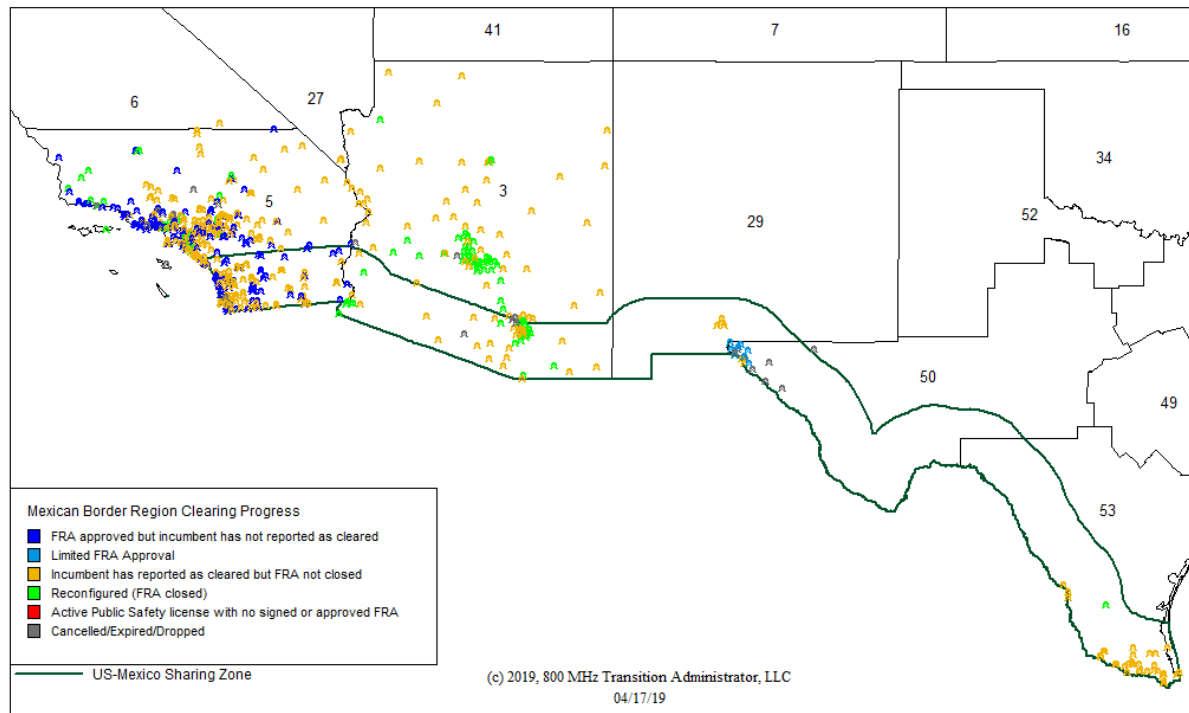
Map 5 shows the licensed base station locations of Mexican border Public Safety licensees and their FRA and implementation status.

## Map 5: Mexican Border Public Safety Clearing Progress

### 800 MHz Reconfiguration Progress

#### Mexican Border Region, Public Safety Site-specific Call Signs

#### Clearing Progress and Call Sign location as of 03/31/2019 (Q1 2019)



## 5. Change Notices and Amendments

During the first quarter of 2019, licensees submitted four Change Notices that requested changes to their FRAs. Some Change Notices are resolved quickly, but others can take time to negotiate and result in an amendment. During the first quarter of 2019, licensees and Sprint negotiated and submitted to the TA eight FRA amendments.

### B. Program Financial Information

This section provides information for the first quarter of 2019 regarding reconfiguration expenditures, the Letter of Credit, the external audit, the TA's fees and expenses, and the closing process and reconfiguration Completion Certifications.

#### 1. Reconfiguration Expenditures

##### a. 800 MHz Incumbent Licensee Reconfiguration Costs

As of March 31, 2019, Sprint has reported to the TA that it had incurred approximately \$1,995.4 million in costs on a cash basis for: (1) payments made to incumbent licensees or their

vendors in accordance with TA-approved agreements executed by incumbent licensees and Sprint; and (2) replacement equipment costs, including costs related to the development of software for certain incumbent licensee subscriber equipment that enables such subscriber equipment to be retuned rather than replaced and costs related to replacement equipment to be provided to incumbent licensees by Sprint (collectively “800 MHz Incumbent Licensee Reconfiguration Costs”).

**b. Estimated Total Reconfiguration Expenditures**

On May 29, 2019, Sprint filed with the Securities and Exchange Commission (“SEC”) its Annual Report on Form 10-K for the fiscal year ended March 31, 2019 and disclosed that it has incurred payments of approximately \$3.6 billion directly attributable to its performance under the *Report and Order* from the inception of the program through March 31, 2019, including \$43 million during the year ended March 31, 2019.<sup>25</sup>

Sprint has reported to the TA that it incurred approximately \$515.6 million in costs, on a cash basis, associated with reconfiguration of the 1.9 GHz band, which is net of the approximately \$229.6 million that Sprint received as reimbursement from Mobile Satellite Service licensees and the H Block licensee for their *pro rata* portion of the costs to clear the 1.9 GHz spectrum. These costs are reported for informational purposes only. The TA does not conduct an analysis of these costs.

**2. Letter of Credit**

For the quarter ended March 31, 2019, Sprint made its required payments to licensees and vendors. Accordingly, there have been no draws on the Letter of Credit. Sprint has reported to the TA that, as of September 30, 2016, it had incurred, on a cash basis, approximately \$312.0 million in Letter of Credit Fees. Sprint has not provided to the TA updated numbers for Letter of Credit Fees incurred as of March 31, 2019.

The TA has continued to monitor the amount of the Letter of Credit in view of Sprint’s programmatic obligations. As of March 31, 2019, the Letter of Credit balance was \$78.2 million.

**3. External Audit**

In the second quarter of 2017, the program’s external auditors completed the annual audit of program expenditures for the year ended December 31, 2016 and for the period from inception (August 6, 2004) through December 31, 2016 (“the 2016 Audit”). The Statement of Program Expenditures was issued on June 2, 2017. On June 30, 2017, the TA filed the Statement of

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<sup>25</sup> See Sprint Corporation, Annual Report (Form 10-K), at 7 (filed May 29, 2019), available at <https://www.sec.gov/Archives/edgar/data/101830/000010183019000022/sprintcorp201810-k.htm>.

Program Expenditures with the FCC.<sup>26</sup> The TA noted that the Statement of Program Expenditures is intended as the True-Up Report envisioned by the FCC's September 2014 Memorandum Opinion and Order and Order of Proposed Modification and demonstrates that Sprint "has documented 800 MHz Reconfiguration Program Expenditures sufficient to eliminate any Anti-Windfall Payment."<sup>27</sup> Certain 800 MHz Incumbent Licensee Reconfiguration Costs and Sprint Costs have not been submitted by Sprint to the TA for credit assessment or for external audit.

On October 12, 2017, the PSHSB issued a Declaratory Ruling that relieved Sprint of its potential obligation to make an anti-windfall payment to the U.S. Treasury in connection with 800 MHz band reconfiguration.<sup>28</sup> The PSHSB determined that the anti-windfall payment provision from the *Report and Order* should be lifted because Sprint has spent sufficient funds to preclude any windfall. The PSHSB noted that Sprint incurred total creditable 800 MHz rebanding expenses of \$2.345034 billion through the end of calendar year 2016 and \$500.35 million in expenses to clear the 1.9 GHz band. Accordingly, Sprint's creditable costs total \$2.845384 billion, which exceeds the \$2.796548 billion anti-windfall threshold.<sup>29</sup>

#### **4. Transition Administrator**

##### **a. Fees, Expenses, and Staffing**

The TA's fees and expenses for the quarter ended March 31, 2019 were approximately \$2.04 million in fees and \$0.03 million in expenses, for a total of approximately \$2.07 million, which is \$0.19 million less than the forecast for the first quarter of 2019. Additional details are provided in Appendix 10. TA staffing for the quarter ended March 31, 2019 consisted of 12 Full Time Equivalents ("FTEs"). The TA's fees and expenses for the quarter ending June 30, 2019 are estimated at \$2.03 million in fees and \$0.06 million in expenses, for a total of \$2.09 million.

##### **b. Disclosure of Non-Reconfiguration Fees**

In accordance with the TA's Independence Management Plan, the TA reports that Deloitte Consulting LLP, a subsidiary of Deloitte LLP, received \$0 of non-TA fees and costs from Sprint for the quarter ended March 31, 2019; other member firms of Deloitte LLP received \$3.37 million in non-TA fees and costs from Sprint for the quarter ended March 31, 2019.<sup>30</sup>

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<sup>26</sup> See 800 MHz Transition Administrator, LLC, "800 MHz Reconfiguration Statement of Program Expenditures For the Year Ended December 31, 2016 and For the Period from August 6, 2004 (Inception) Through December 31, 2016," WT Docket No. 02-55 (filed June 30, 2017).

<sup>27</sup> *Id.* at 4.

<sup>28</sup> Improving Public Safety Communications in the 800 MHz Band, *Declaratory Ruling*, 32 FCC Rcd 7528, para. 1 (2017).

<sup>29</sup> *Id.* at 7530-31, para. 7.

<sup>30</sup> See "Independence Management Plan for 800 MHz Transition Administrator Team Members (Version 1.5)," at 4, attached to Letter from Robert E. Stup, Jr., Squire Sanders (US) LLP, to Marlene H. Dortch, Secretary, FCC, WT Docket No. 02-55 (filed Jan. 16, 2014). As used in this context, other member firms of Deloitte LLP means Deloitte

## **5. Closing Process and Reconfiguration Completion Certifications**

Closing requirements generally include the modification of FCC licenses, the return and reconciliation of loaned and replaced equipment, submission of cost support documents, reconciliation of total reconfiguration costs, final payment to the licensee (or refund to Sprint), and execution of final closing documents, including the FCC-required Completion Certification.

### **a. Completion Certifications**

As of March 31, 2019, 576 PFA Completion Certifications were submitted to the TA.<sup>31</sup> Of these, the TA reviewed and found 576 PFA Completion Certifications sufficient, subject to post-close audit adjustments, as of March 31, 2019. Of the 592 PFAs that have been executed between licensees and Sprint, approximately 2.7 percent of executed PFAs remain open as of March 31, 2019. Appendix 9 contains a listing of PFAs that have not closed as of the end of the first quarter of 2019.

The FRA Completion Certification certifies that the licensee has relinquished its original 800 MHz frequencies and reconfigured its facilities to operate on replacement frequencies; that all reconfiguration work required has been satisfactorily completed; and that the licensee and Sprint have agreed on the amount paid by Sprint for such work. A licensee's reconfiguration is not complete until this certification has been executed and delivered by the licensee to Sprint. During the first quarter of 2019, 18 FRA Completion Certifications were submitted to the TA, increasing the total submitted over the life of the program to 1,856.<sup>32</sup> Of these, the TA reviewed and found 1,821 FRA Completion Certifications sufficient, subject to post-close audit adjustments, with the remaining 35 under review as of March 31, 2019. Of the 2,106 FRAs that have been executed between licensees and Sprint, approximately 13.5 percent of executed FRAs remain open as of March 31, 2019. Appendix 8 contains a summary of FRAs that closed during the quarter ended March 31, 2019 or are pending TA Completion Certification review as of March 31, 2019. Appendix 9 contains a listing of FRAs for which physical reconfiguration activities are complete but the FRA has not closed as of the end of the first quarter of 2019.<sup>33</sup>

### **b. Closing Timeframes**

For those FRAs that have closed as of March 31, 2019, the closing process has taken an average of 18.9 months to complete following the completion of physical reconfiguration activities, compared to an average of 18.9 months through December 31, 2018. For those licensees that have completed physical reconfiguration activities but have not closed their FRAs as of March 31, 2019,

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& Touche LLP, Deloitte Financial Advisory Services LLP, or Deloitte Tax LLP, each a subsidiary of Deloitte LLP. Please see <http://www.deloitte.com/us/about> for a detailed description of the legal structure of Deloitte LLP and its subsidiaries.

<sup>31</sup> Of these, 69 were for Stage 1 licensees and 507 were for Stage 2 licensees.

<sup>32</sup> Of these, 1,009 were for Stage 1 licensees and 847 were for Stage 2 licensees.

<sup>33</sup> The completion of all physical reconfiguration activities is defined in footnote 6.

an average of 59.1 months has elapsed since the completion of physical reconfiguration activities compared to an average of 58.7 months as of December 31, 2018. The amount of time that licensees have been pending in each step of the closing process is set forth in Table 2 below.

**Table 2: FRAs in the Closing Process by Pending Activity<sup>34</sup>**

Pending FRA Activity to be Completed	Quantity of FRAs	Length of Time Pending Activity Open					% Greater than or Equal to 12 Months
		Less than 3 Months	3 to 6 Months	6 to 9 Months	9 to 12 Months	12 Months or Longer	
Equipment Reconciliation	11	6	1	1	1	2	1.4%
License Modification	0	0	0	0	0	0	0.0%
Actual Cost Reconciliation Process*	125	15	2	5	9	94	65.3%
Closing	90	10	22	3	7	48	33.3%
<b>Total FRAs Pending in Closing Process</b>	<b>226</b>	<b>31</b>	<b>25</b>	<b>9</b>	<b>17</b>	<b>144</b>	
<b>Closed FRAs**</b>	<b>1,856</b>						
<b>Total FRAs for which physical reconfiguration activities are complete***</b>	<b>2,082</b>						

\* Includes 10 FRAs that are also pending License Modification.

\*\* Includes 35 FRAs that are pending TA review of the FRA Completion Certification

\*\*\* Includes 28 FRAs without infrastructure to reconfigure that have closed or are pending closing.

## C. Specialized Support Functions

### 1. TA-Produced Materials, TA's Website, and Outreach Activities

The TA continues to distribute informational materials to stakeholders relating to the reconfiguration process, including fact sheets, licensee forms, and other materials. Many of these items are posted on the TA's website at <http://www.800TA.org>.

The TA is committed to protecting the security and confidentiality of third-party information. The TA is aware of certain phishing attempts that have impersonated three TA related email accounts. Phishing occurs when malicious persons "fish" for information by sending emails that impersonate a trustworthy sender. They are attempts to collect the recipients' sensitive information, such as usernames, passwords, and financial details. The phishing emails have been purportedly sent by [Contracts@800Ta.Org](mailto:Contracts@800Ta.Org), [Archive@800Ta.Org](mailto:Archive@800Ta.Org), and

<sup>34</sup> This table is created from data provided by Sprint and collected by the TA directly from licensees.

[licensing@baselinetelecom.com](mailto:licensing@baselinetelecom.com). All the emails requested that the recipient click on a link to see an attachment. The TA did not send these emails. If you received any of these emails or any suspicious emails that appear to be from the TA, please notify the TA at 1-888-800-8220 and do not respond to any such emails and do not click on these links. For additional information on phishing, please see the Federal Trade Commission's Consumer information website at <https://www.consumer.ftc.gov/articles/0003-phishing>.

## **2. Frequency Reconfiguration Agreement Review**

The TA continues to meet its service-level goals for reviewing FRAs.<sup>35</sup>

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<sup>35</sup> The TA's service-level targets for FRA review are review of 80 percent of FRAs within 5 business days, 95 percent within 10 business days, and 100 percent within 15 business days.



### III. APPENDICES

#### NOTE

The Appendices listed below have been removed from the TA's Quarterly Progress Report because the TA does not anticipate any additional updates to them. Complete versions of these Appendices with data as of December 31, 2018 are available (1) in the TA's Quarterly Progress Report for the Quarter Ended December 31, 2018, which was filed in WT Docket No. 02-55 on March 1, 2019, and (2) in an archive of Appendices on the TA's website at <http://www.800TA.org>.

<b>Appendix 1A</b>	Status of Reconfiguration for Non-Border Licensees in Channels 1-120: Milestones Completed by Number of Frequency Reconfiguration Agreements, Per Wave, Per Region
<b>Appendix 1B</b>	Status of Reconfiguration for Canadian Border Region Licensees in Stage 1: Milestones Completed by Number of Frequency Reconfiguration Agreements, Per Wave, Per Region
<b>Appendix 3A</b>	Status of Reconfiguration for Non-Border Licensees in NPSPAC Channels: Milestones Completed by Number of Frequency Reconfiguration Agreements, Per Wave, Per Region
<b>Appendix 3B</b>	Status of Reconfiguration for Canadian Border Region Licensees in Stage 2: Milestones Completed by Number of Frequency Reconfiguration Agreements, Per Wave, Per Region
<b>Appendix 3D</b>	Status of Reconfiguration for Licensees in the ESMR Band: Milestones Completed by Number of Frequency Reconfiguration Agreements, Per Wave, Per Region
<b>Appendix 6</b>	Status of Frequency Reconfiguration Agreement Review for Non-Border and Canadian Border Region Stage 1 and Mexican Border Non-Public Safety, Per Wave, Per Region
<b>Appendix 7</b>	Status of Frequency Reconfiguration Agreement Review for Non-Border and Canadian Border Region Stage 2 and Mexican Border Public Safety, Per Wave, Per Region

In addition, Appendix 8 in this Quarterly Progress Report only includes FRAs and PFAs that closed during the quarter ended March 31, 2019 or are pending TA Completion Certification review as of March 31, 2019. A complete list of FRAs and PFAs that closed as of December 31, 2018 is available in an archive of Appendices on the TA's website at <http://www.800TA.org>.

# Appendix 1C

Status of Reconfiguration for Mexican Border Non-Public Safety Licensees: Milestones Completed by Number of Frequency Reconfiguration Agreements, Per Wave, Per Region, as of March 31, 2019

NPSPAC Region	Number of FRAs*	Sprint Initiated Contact with Licensee*	Sprint and Licensee Reach Pre-Contract Agreement*	FRAs Submitted to TA	FRAs Approved by TA	FRAs with Physical Retunes Reported as Completed*
		Number of Frequency Reconfiguration Agreements (FRAs)				
3	11	11	11	11	11	11
5	20	20	20	20	20	17
29	3	3	3	3	3	3
50	7	7	7	7	7	6
53	8	8	8	8	7	6
Multiregion	4	4	4	4	4	4
<b>TOTAL</b>	<b>53</b>	<b>53</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>47</b>

\* Sprint is the data source for this column. The figures have not been verified by the TA.

Appendix 2  
Status of Reconfiguration for Licensees in Channels 1-120:  
Milestones Completed by Number of Call Signs, Per Wave, Per Region, as of March 31, 2019

Public Safety Region (PSR)	PSR Name	Updated Call Sign Population as of 03/31/19	Sprint Initiated Contact with Licensee	Sprint and Licensee Reach Pre-Contract Agreement	Sprint Submits Frequency Reconfiguration Agreement to TA	TA Approves Frequency Reconfiguration Agreement	Through 03/31/19 Call Signs with Reconfiguration Applications Submitted to FCC	Through 03/31/19 Call Signs with Reconfiguration Applications Granted	Sprint Clears Frequencies	Incumbent Clears Frequencies	Through 03/31/19 Call Signs with Surrender Applications Submitted to FCC	Through 03/31/19 Call signs with Surrender Applications Granted
Number of Call Signs												
Wave 1	Subtotal	791	791	791	791	791	791	791	791	791	791	791
6	CA - North	107	107	107	107	107	107	107	107	107	107	107
7	Colorado	27	27	27	27	27	27	27	27	27	27	27
8	NY - Metro (CT, NJ, NY, PA)	96	96	96	96	96	96	96	96	96	96	96
11	Hawaii	55	55	55	55	55	55	55	55	55	55	55
13	Illinois	40	40	40	40	40	40	40	40	40	40	40
14	Indiana	27	27	27	27	27	27	27	27	27	27	27
19	ME, NH, VT, MA, RI, CT	73	73	73	73	73	73	73	73	73	73	73
20	MD; DC; VA - Northern	66	66	66	66	66	66	66	66	66	66	66
27	Nevada	63	63	63	63	63	63	63	63	63	63	63
28	NJ, PA, DE	67	67	67	67	67	67	67	67	67	67	67
35	Oregon	48	48	48	48	48	48	48	48	48	48	48
41	Utah	21	21	21	21	21	21	21	21	21	21	21
42	Virginia	52	52	52	52	52	52	52	52	52	52	52
45	Wisconsin	13	13	13	13	13	13	13	13	13	13	13
54	Chicago	36	36	36	36	36	36	36	36	36	36	36
Wave 2	Subtotal	469	469	469	469	469	469	469	469	469	469	469
4	Arkansas	38	38	38	38	38	38	38	38	38	38	38
12	Idaho	14	14	14	14	14	14	14	14	14	14	14
15	Iowa	16	16	16	16	16	16	16	16	16	16	16
16	Kansas	33	33	33	33	33	33	33	33	33	33	33
17	Kentucky	16	16	16	16	16	16	16	16	16	16	16
22	Minnesota	74	74	74	74	74	74	74	74	74	74	74
24	Missouri	37	37	37	37	37	37	37	37	37	37	37
25	Montana	19	19	19	19	19	19	19	19	19	19	19
26	Nebraska	10	10	10	10	10	10	10	10	10	10	10
32	North Dakota	6	6	6	6	6	6	6	6	6	6	6
34	Oklahoma	25	25	25	25	25	25	25	25	25	25	25
38	South Dakota	1	1	1	1	1	1	1	1	1	1	1
39	Tennessee	43	43	43	43	43	43	43	43	43	43	43
40	TX - Dallas	38	38	38	38	38	38	38	38	38	38	38
44	West Virginia	3	3	3	3	3	3	3	3	3	3	3
46	Wyoming	1	1	1	1	1	1	1	1	1	1	1
49	TX - Austin	11	11	11	11	11	11	11	11	11	11	11
51	TX - Houston	42	42	42	42	42	42	42	42	42	42	42
52	TX - Lubbock	42	42	42	42	42	42	42	42	42	42	42

Appendix 2  
Status of Reconfiguration for Licensees in Channels 1-120:  
Milestones Completed by Number of Call Signs, Per Wave, Per Region, as of March 31, 2019

Public Safety Region (PSR)	PSR Name	Updated Call Sign Population as of 03/31/19	Sprint Initiated Contact with Licensee	Sprint and Licensee Reach Pre-Contract Agreement	Sprint Submits Frequency Reconfiguration Agreement to TA	TA Approves Frequency Reconfiguration Agreement	Through 03/31/19 Call Signs with Reconfiguration Applications Submitted to FCC	Through 03/31/19 Call Signs with Reconfiguration Applications Granted	Sprint Clears Frequencies	Incumbent Clears Frequencies	Through 03/31/19 Call Signs with Surrender Applications Submitted to FCC	Through 03/31/19 Call signs with Surrender Applications Granted
		Number of Call Signs										
<b>Wave 3</b>	<b>Subtotal</b>	<b>511</b>	<b>511</b>	<b>511</b>	<b>511</b>	<b>511</b>	<b>511</b>	<b>511</b>	<b>511</b>	<b>511</b>	<b>511</b>	<b>511</b>
1	Alabama	9	9	9	9	9	9	9	9	9	9	9
9	Florida	216	216	216	216	216	216	216	216	216	216	216
10	Georgia	49	49	49	49	49	49	49	49	49	49	49
18	Louisiana	79	79	79	79	79	79	79	79	79	79	79
23	Mississippi	23	23	23	23	23	23	23	23	23	23	23
31	North Carolina	67	67	67	67	67	67	67	67	67	67	67
37	South Carolina	37	37	37	37	37	37	37	37	37	37	37
47	Puerto Rico	18	18	18	18	18	18	18	18	18	18	18
48	US Virgin Islands	13	13	13	13	13	13	13	13	13	13	13
<b>Wave 4</b>	<b>Subtotal</b>	<b>813</b>	<b>813</b>	<b>813</b>	<b>813</b>	<b>813</b>	<b>785</b>	<b>781</b>	<b>813</b>	<b>813</b>	<b>789</b>	<b>786</b>
2	Alaska	22	22	22	22	22	22	22	22	22	22	22
3	Arizona*	69	69	69	69	69	69	69	69	69	69	69
5	CA - South*	82	82	82	82	82	60	57	82	82	60	57
21	Michigan	57	57	57	57	57	57	57	57	57	57	57
29	New Mexico*	25	25	25	25	25	25	25	25	25	25	25
30	NY - Albany	91	91	91	91	91	91	91	91	91	91	91
33	Ohio	105	105	105	105	105	105	105	105	105	105	105
36	Pennsylvania	11	11	11	11	11	11	11	11	11	11	11
43	Washington	148	148	148	148	148	144	143	148	148	148	148
50	TX - El Paso*	10	10	10	10	10	10	10	10	10	10	10
53	TX - San Antonio*	16	16	16	16	16	16	16	16	16	16	16
54	MI portion of Chicago	9	9	9	9	9	9	9	9	9	9	9
55	New York - Buffalo	168	168	168	168	168	166	166	168	168	166	166
61	Gulf of Mexico	0	0	0	0	0	0	0	0	0	0	0
62	Marianas	0	0	0	0	0	0	0	0	0	0	0
63	Guam	0	0	0	0	0	0	0	0	0	0	0
64	American Samoa	0	0	0	0	0	0	0	0	0	0	0
<b>Total for Waves 1-4</b>		<b>2584</b>	<b>2584</b>	<b>2584</b>	<b>2584</b>	<b>2584</b>	<b>2556</b>	<b>2552</b>	<b>2584</b>	<b>2584</b>	<b>2560</b>	<b>2557</b>

Notes:

\* Data includes call signs in the U.S.-Mexico border region.

a. Data for Channels 1-120 call signs does not include call signs that were under contract with Sprint prior to the start of reconfiguration and for which contracts will not be submitted to the TA for review and approval for Sprint credit.

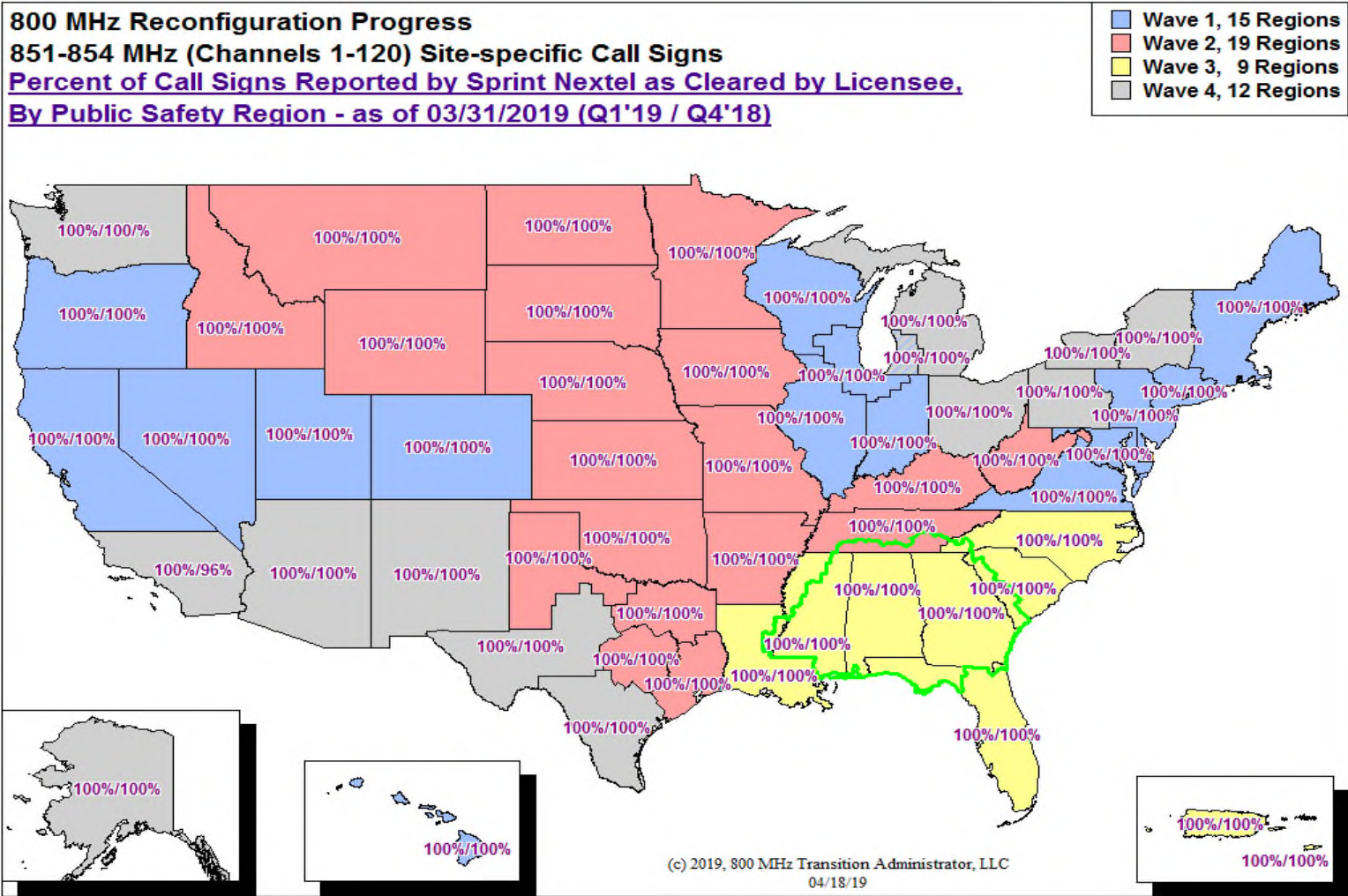
b. The current population of call signs has been adjusted for call signs cancelled without a Frequency Reconfiguration Agreement (FRA), and incremented for any call signs added through pending applications. Licensees may cancel licenses or let them expire without entering into an FRA.

c. Data includes call signs with fixed locations authorized for frequencies in the 851-854 MHz range with adequate geographic data to determine a Public Safety Region.

d. Data for the call sign population and applications may not match data for Sprint milestones due to call signs expiring or being cancelled without contracts. In addition, certain FRAs may include call signs undergoing reconfiguration that may be cancelled or assigned without frequencies being changed on that particular call sign. Call signs with old frequencies being deleted via a partial assignment are not included in the delete application data.

e. Data between Incumbent Clear and Notify and Surrender Applications Submitted to FCC do not always match due to partial assignment applications filed in advance of frequency clearing to expedite the process and occasional time lags in the reporting on licensee frequency clearing.

f. Incumbent Clear and Notify counts may exceed Sprint Cleared counts in certain PSRs due to Sprint data entry delays; incumbents clearing by cancelling licenses for which Sprint would not need to clear frequencies; or the replacement channels were not currently in operation in Sprint's network.



Appendix 2  
Status of Reconfiguration for Licensees in the Expansion Band:  
Milestones Completed by Number of Call Signs, Per Wave, Per Region, as of March 31, 2019

Public Safety Region (PSR)	PSR Name	Updated Call Sign Population as of 03/31/19	Sprint Initiated Contact with Licensee	Sprint and Licensee Reach Pre-Contract Agreement	Sprint Submits Frequency Reconfiguration Agreement to TA	TA Approves Frequency Reconfiguration Agreement	Through 03/31/19 Call Signs with Reconfiguration Applications Submitted to FCC	Through 03/31/19 Call Signs with Reconfiguration Applications Granted	Sprint Clears Frequencies	Incumbent Clears Frequencies	Through 03/31/19 Call Signs with Surrender Applications Submitted to FCC	Through 03/31/19 Call signs with Surrender Applications Granted
Number of Call Signs												
Wave 1	Subtotal	299	299	299	299	299	299	299	299	299	299	299
6	CA - North	88	88	88	88	88	88	88	88	88	88	88
7	Colorado	15	15	15	15	15	15	15	15	15	15	15
8	NY - Metro (CT, NJ, NY, PA)	36	36	36	36	36	36	36	36	36	36	36
11	Hawaii	5	5	5	5	5	5	5	5	5	5	5
13	Illinois	12	12	12	12	12	12	12	12	12	12	12
14	Indiana	34	34	34	34	34	34	34	34	34	34	34
19	ME, NH, VT, MA, RI, CT	24	24	24	24	24	24	24	24	24	24	24
20	MD; DC; VA - Northern	5	5	5	5	5	5	5	5	5	5	5
27	Nevada	5	5	5	5	5	5	5	5	5	5	5
28	NJ, PA, DE	6	6	6	6	6	6	6	6	6	6	6
35	Oregon	1	1	1	1	1	1	1	1	1	1	1
41	Utah	3	3	3	3	3	3	3	3	3	3	3
42	Virginia	23	23	23	23	23	23	23	23	23	23	23
45	Wisconsin	10	10	10	10	10	10	10	10	10	10	10
54	Chicago	32	32	32	32	32	32	32	32	32	32	32
Wave 2	Subtotal	175	175	175	175	175	175	175	175	175	175	175
4	Arkansas	45	45	45	45	45	45	45	45	45	45	45
12	Idaho	0	0	0	0	0	0	0	0	0	0	0
15	Iowa	16	16	16	16	16	16	16	16	16	16	16
16	Kansas	6	6	6	6	6	6	6	6	6	6	6
17	Kentucky	13	13	13	13	13	13	13	13	13	13	13
22	Minnesota	10	10	10	10	10	10	10	10	10	10	10
24	Missouri	11	11	11	11	11	11	11	11	11	11	11
25	Montana	0	0	0	0	0	0	0	0	0	0	0
26	Nebraska	4	4	4	4	4	4	4	4	4	4	4
32	North Dakota	0	0	0	0	0	0	0	0	0	0	0
34	Oklahoma	3	3	3	3	3	3	3	3	3	3	3
38	South Dakota	0	0	0	0	0	0	0	0	0	0	0
39	Tennessee	28	28	28	28	28	28	28	28	28	28	28
40	TX - Dallas	21	21	21	21	21	21	21	21	21	21	21
44	West Virginia	1	1	1	1	1	1	1	1	1	1	1
46	Wyoming	2	2	2	2	2	2	2	2	2	2	2
49	TX - Austin	9	9	9	9	9	9	9	9	9	9	9
51	TX - Houston	5	5	5	5	5	5	5	5	5	5	5
52	TX - Lubbock	1	1	1	1	1	1	1	1	1	1	1

Appendix 2  
Status of Reconfiguration for Licensees in the Expansion Band:  
Milestones Completed by Number of Call Signs, Per Wave, Per Region, as of March 31, 2019

Public Safety Region (PSR)	PSR Name	Updated Call Sign Population as of 03/31/19	Sprint Initiated Contact with Licensee	Sprint and Licensee Reach Pre-Contract Agreement	Sprint Submits Frequency Reconfiguration Agreement to TA	TA Approves Frequency Reconfiguration Agreement	Through 03/31/19 Call Signs with Reconfiguration Applications Submitted to FCC	Through 03/31/19 Call Signs with Reconfiguration Applications Granted	Sprint Clears Frequencies	Incumbent Clears Frequencies	Through 03/31/19 Call Signs with Surrender Applications Submitted to FCC	Through 03/31/19 Call signs with Surrender Applications Granted
Number of Call Signs												
Wave 3	Subtotal	199	199	199	199	199	199	199	199	199	199	199
1	Alabama	28	28	28	28	28	28	28	28	28	28	28
9	Florida	61	61	61	61	61	61	61	61	61	61	61
10	Georgia	29	29	29	29	29	29	29	29	29	29	29
18	Louisiana	15	15	15	15	15	15	15	15	15	15	15
23	Mississippi	18	18	18	18	18	18	18	18	18	18	18
31	North Carolina	23	23	23	23	23	23	23	23	23	23	23
37	South Carolina	23	23	23	23	23	23	23	23	23	23	23
47	Puerto Rico	2	2	2	2	2	2	2	2	2	2	2
48	US Virgin Islands	0	0	0	0	0	0	0	0	0	0	0
Wave 4	Subtotal	189	189	189	189	189	187	187	189	189	186	186
2	Alaska	1	1	1	1	1	1	1	1	1	1	1
3	Arizona*	8	8	8	8	8	8	8	8	8	8	8
5	CA - South*	24	24	24	24	24	22	22	24	24	22	22
21	Michigan	0	0	0	0	0	0	0	0	0	0	0
29	New Mexico*	5	5	5	5	5	5	5	5	5	5	5
30	NY - Albany	62	62	62	62	62	62	62	62	62	62	62
33	Ohio	37	37	37	37	37	37	37	37	37	37	37
36	Pennsylvania	9	9	9	9	9	9	9	9	9	9	9
43	Washington	15	15	15	15	15	15	15	15	15	15	15
50	TX - El Paso*	2	2	2	2	2	2	2	2	2	2	2
53	TX - San Antonio*	6	6	6	6	6	6	6	6	6	5	5
54	MI portion of Chicago	5	5	5	5	5	5	5	5	5	5	5
55	New York - Buffalo	15	15	15	15	15	15	15	15	15	15	15
61	Gulf of Mexico	0	0	0	0	0	0	0	0	0	0	0
62	Marianas	0	0	0	0	0	0	0	0	0	0	0
63	Guam	0	0	0	0	0	0	0	0	0	0	0
64	American Samoa	0	0	0	0	0	0	0	0	0	0	0
Total for Waves 1-4		862	862	862	862	862	860	860	862	862	859	859

Notes:

\* Data includes call signs in the U.S.-Mexico border region.

a. Data does not include call signs that were under contract with Sprint prior to the start of reconfiguration and for which contracts will not be submitted to the TA for review and approval for Sprint credit.

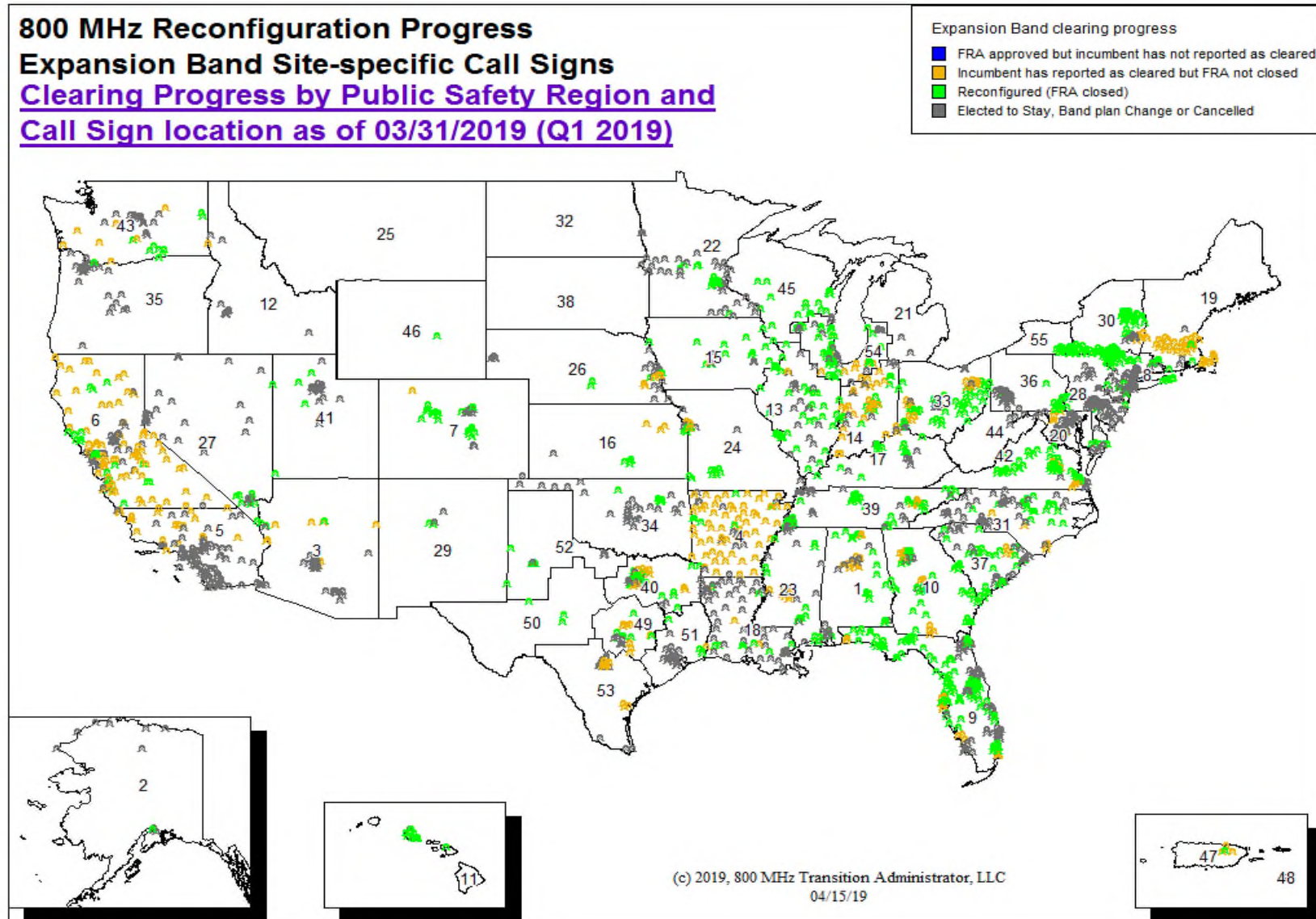
b. The current population of call signs has been adjusted for call signs cancelled without a Frequency Reconfiguration Agreement (FRA), and incremented for any call signs added through pending applications. Licensees may cancel licenses or let them expire without entering into an FRA.

c. Data includes call signs with fixed locations authorized for frequencies in the Expansion Band with adequate geographic data to determine a Public Safety Region.

d. Data for the call sign population and applications may not match data for Sprint milestones due to call signs expiring or being cancelled without contracts. In addition, certain FRAs may include call signs undergoing reconfiguration that may be cancelled or assigned without frequencies being changed on that particular call sign. Call signs with old frequencies being deleted via a partial assignment are not included in the delete application data.

e. Data between Incumbent Clear and Notify and Surrender Applications Submitted to FCC do not always match due to partial assignment applications filed in advance of frequency clearing to expedite the process and occasional time lags in the reporting on licensee frequency clearing.

f. Incumbent Clear and Notify counts may exceed Sprint Cleared counts in certain PSRs due to Sprint data entry delays; incumbents clearing by cancelling licenses for which Sprint would not need to clear frequencies; or the replacement channels were not currently in operation in Sprint's network.





Appendix 2  
Status of Reconfiguration for Licensees in NPSPAC Channels:  
Milestones Completed by Number of Call Signs, Per Wave, Per Region as of March 31, 2019

Public Safety Region (PSR)	PSR Name	Updated Call Sign Population as of 03/31/19	Sprint Initiated Contact with Licensee	Sprint and Licensee Reach Pre-Contract Agreement	Sprint Submits Frequency Reconfiguration Agreement to TA	TA Approves Frequency Reconfiguration Agreement	Through 03/31/19 Call Signs with Reconfiguration Applications Submitted to FCC	Through 03/31/19 Call Signs with Reconfiguration Applications Granted	Sprint Clears Frequencies	Incumbent Clears Frequencies	Through 03/31/19 Call Signs with Surrender Applications Submitted to FCC	Through 03/31/19 Call signs with Surrender Applications Granted
Number of Call Signs												
Wave 1	Subtotal	1927	1927	1927	1927	1927	1925	1925	1927	1927	1924	1924
6	CA - North	136	136	136	136	136	134	134	136	136	133	133
7	Colorado	224	224	224	224	224	224	224	224	224	224	224
8	NY - Metro (CT, NJ, NY, PA)	389	389	389	389	389	389	389	389	389	389	389
11	Hawaii	28	28	28	28	28	28	28	28	28	28	28
13	Illinois	139	139	139	139	139	139	139	139	139	139	139
14	Indiana	147	147	147	147	147	147	147	147	147	147	147
19	ME, NH, VT, MA, RI, CT	134	134	134	134	134	134	134	134	134	134	134
20	MD; DC; VA - Northern	96	96	96	96	96	96	96	96	96	96	96
27	Nevada	38	38	38	38	38	38	38	38	38	38	38
28	NJ, PA, DE	216	216	216	216	216	216	216	216	216	216	216
35	Oregon	40	40	40	40	40	40	40	40	40	40	40
41	Utah	146	146	146	146	146	146	146	146	146	146	146
42	Virginia	58	58	58	58	58	58	58	58	58	58	58
45	Wisconsin	3	3	3	3	3	3	3	3	3	3	3
54	Chicago	133	133	133	133	133	133	133	133	133	133	133
Wave 2	Subtotal	763	763	763	763	763	763	763	763	763	763	763
4	Arkansas	95	95	95	95	95	95	95	95	95	95	95
12	Idaho	0	0	0	0	0	0	0	0	0	0	0
15	Iowa	7	7	7	7	7	7	7	7	7	7	7
16	Kansas	280	280	280	280	280	280	280	280	280	280	280
17	Kentucky	16	16	16	16	16	16	16	16	16	16	16
22	Minnesota	50	50	50	50	50	50	50	50	50	50	50
24	Missouri	19	19	19	19	19	19	19	19	19	19	19
25	Montana	1	1	1	1	1	1	1	1	1	1	1
26	Nebraska	32	32	32	32	32	32	32	32	32	32	32
32	North Dakota	0	0	0	0	0	0	0	0	0	0	0
34	Oklahoma	39	39	39	39	39	39	39	39	39	39	39
38	South Dakota	0	0	0	0	0	0	0	0	0	0	0
39	Tennessee	56	56	56	56	56	56	56	56	56	56	56
40	TX - Dallas	44	44	44	44	44	44	44	44	44	44	44
44	West Virginia	10	10	10	10	10	10	10	10	10	10	10
46	Wyoming	7	7	7	7	7	7	7	7	7	7	7
49	TX - Austin	67	67	67	67	67	67	67	67	67	67	67
51	TX - Houston	38	38	38	38	38	38	38	38	38	38	38
52	TX - Lubbock	2	2	2	2	2	2	2	2	2	2	2

Appendix 2  
Status of Reconfiguration for Licensees in NPSPAC Channels:  
Milestones Completed by Number of Call Signs, Per Wave, Per Region as of March 31, 2019

Public Safety Region (PSR)	PSR Name	Updated Call Sign Population as of 03/31/19	Sprint Initiated Contact with Licensee	Sprint and Licensee Reach Pre-Contract Agreement	Sprint Submits Frequency Reconfiguration Agreement to TA	TA Approves Frequency Reconfiguration Agreement	Through 03/31/19 Call Signs with Reconfiguration Applications Submitted to FCC	Through 03/31/19 Call Signs with Reconfiguration Applications Granted	Sprint Clears Frequencies	Incumbent Clears Frequencies	Through 03/31/19 Call Signs with Surrender Applications Submitted to FCC	Through 03/31/19 Call signs with Surrender Applications Granted
Number of Call Signs												
Wave 3	Subtotal	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
1	Alabama	32	32	32	32	32	32	32	32	32	32	32
9	Florida	330	330	330	330	330	330	330	330	330	330	330
10	Georgia	82	82	82	82	82	82	82	82	82	82	82
18	Louisiana	74	74	74	74	74	74	74	74	74	74	74
23	Mississippi	24	24	24	24	24	24	24	24	24	24	24
31	North Carolina	368	368	368	368	368	368	368	368	368	368	368
37	South Carolina	177	177	177	177	177	177	177	177	177	177	177
47	Puerto Rico	13	13	13	13	13	13	13	13	13	13	13
48	US Virgin Islands	0	0	0	0	0	0	0	0	0	0	0
Wave 4	Subtotal	1701	1701	1701	1701	1700	1549	1549	1700	1599	1535	1535
2	Alaska	1	1	1	1	1	1	1	1	1	1	1
3	Arizona*	99	99	99	99	99	86	86	99	99	86	86
5	CA - South*	390	390	390	390	390	271	271	390	289	257	257
21	Michigan	340	340	340	340	340	340	340	340	340	340	340
29	New Mexico*	9	9	9	9	9	7	7	9	9	7	7
30	NY - Albany	189	189	189	189	189	189	189	189	189	189	189
33	Ohio	178	178	178	178	178	178	178	178	178	178	178
36	Pennsylvania	231	231	231	231	231	231	231	231	231	231	231
43	Washington	177	177	177	177	177	177	177	177	177	177	177
50	TX - El Paso*	5	5	5	5	4	2	2	4	4	2	2
53	TX - San Antonio*	32	32	32	32	32	17	17	32	32	17	17
54	MI portion of Chicago	25	25	25	25	25	25	25	25	25	25	25
55	New York - Buffalo	25	25	25	25	25	25	25	25	25	25	25
61	Gulf of Mexico	0	0	0	0	0	0	0	0	0	0	0
62	Marianas	0	0	0	0	0	0	0	0	0	0	0
63	Guam	0	0	0	0	0	0	0	0	0	0	0
64	American Samoa	0	0	0	0	0	0	0	0	0	0	0
Total for Waves 1-4		5491	5491	5491	5491	5490	5337	5337	5490	5389	5322	5322

Notes:

\* Data includes call signs in the U.S.-Mexico border region.

a. Data does not include call signs that were under contract with Sprint prior to the start of reconfiguration and for which contracts will not be submitted to the TA for review and approval for Sprint credit.

b. The current population of call signs has been adjusted for call signs cancelled without a Frequency Reconfiguration Agreement (FRA), and incremented for any call signs added through pending applications. Licensees may cancel licenses or let them expire without entering into an FRA.

c. Data includes call signs with fixed locations authorized for frequencies in the 866-869 MHz range, and those with adequate geographic data to determine a Public Safety Region.

d. Data for the call sign population and applications may not match data for Sprint milestones due to call signs expiring or being cancelled without contracts. In addition, certain FRAs may include call signs undergoing reconfiguration that may be cancelled or assigned without frequencies being changed on that particular call sign. Call signs with old frequencies being deleted via a partial assignment are not included in the delete application data.

e. Data between Incumbent Clear and Notify and Surrender Applications Submitted to FCC do not always match due to partial assignment applications filed in advance of frequency clearing to expedite the process and occasional time lags in the reporting on licensee frequency clearing.

f. As of the second quarter of 2007, the NPSPAC call sign data includes STA NPSPAC call signs and call signs without fixed locations (e.g., mobile-only authorizations).

g. Incumbent Clear and Notify counts may exceed Sprint Cleared counts in certain PSRs due to Sprint data entry delays; incumbents clearing by cancelling licenses for which Sprint would not need to clear frequencies; or the replacement channels were not currently in operation in Sprint's network.

Appendix 2  
Status of NPSPAC Channels  
Cleared, Per Region, Per Wave, as of March 31, 2019

Public Safety Region (PSR)	PSR Name	Wave	Cleared NPSPAC Channels (25 kHz equivalents)*	Percentage Clear	Percentage Encumbered	Relinquishment Stage Attained	Category in FCC's 3/31/2010 and 3/31/2011 Orders and 11/27/2012 Public Notice**
1	Alabama	3	120	100	0	6	1
2	Alaska	4	120	100	0	6	0
3	Arizona	4	120	100	0	6	3
4	Arkansas	2	120	100	0	6	0
5	California - South	4	1	0.83	99.17	1	3
6	California - North	1	120	100	0	6	1
7	Colorado	1	120	100	0	6	0
8	New York - Metropolitan	1	120	100	0	6	1
9	Florida	3	120	100	0	6	1
10	Georgia	3	120	100	0	6	0
11	Hawaii	1	120	100	0	6	0
12	Idaho	2	120	100	0	6	0
13	Illinois	1	120	100	0	6	0
14	Indiana	1	120	100	0	6	1
15	Iowa	2	120	100	0	6	0
16	Kansas	2	120	100	0	6	1
17	Kentucky	2	120	100	0	6	0
18	Louisiana	3	120	100	0	6	1
19	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut	1	120	100	0	6	1
20	Maryland; Washington, DC; Virginia - Northern	1	120	100	0	6	1
21	Michigan	4	120	100	0	6	3
22	Minnesota	2	120	100	0	6	0
23	Mississippi	3	120	100	0	6	0
24	Missouri	2	120	100	0	6	0
25	Montana	2	120	100	0	6	0
26	Nebraska	2	120	100	0	6	0
27	Nevada	1	120	100	0	6	1
28	New Jersey, Pennsylvania, Delaware	1	120	100	0	6	1
29	New Mexico	4	120	100	0	6	0
30	New York - Albany	4	120	100	0	6	3
31	North Carolina	3	120	100	0	6	1
32	North Dakota	2	120	100	0	6	0
33	Ohio	4	120	100	0	6	3
34	Oklahoma	2	120	100	0	6	1
35	Oregon	1	120	100	0	6	0
36	Pennsylvania	4	120	100	0	6	1
37	South Carolina	3	120	100	0	6	1
38	South Dakota	2	120	100	0	6	0
39	Tennessee	2	120	100	0	6	1
40	Texas - Dallas	2	120	100	0	6	1
41	Utah	1	120	100	0	6	0
42	Virginia	1	120	100	0	6	1
43	Washington	4	120	100	0	6	3
44	West Virginia	2	120	100	0	6	0
45	Wisconsin	1	120	100	0	6	0
46	Wyoming	2	120	100	0	6	0
47	Puerto Rico	3	120	100	0	6	0

Appendix 2  
Status of NPSPAC Channels  
Cleared, Per Region, Per Wave, as of March 31, 2019

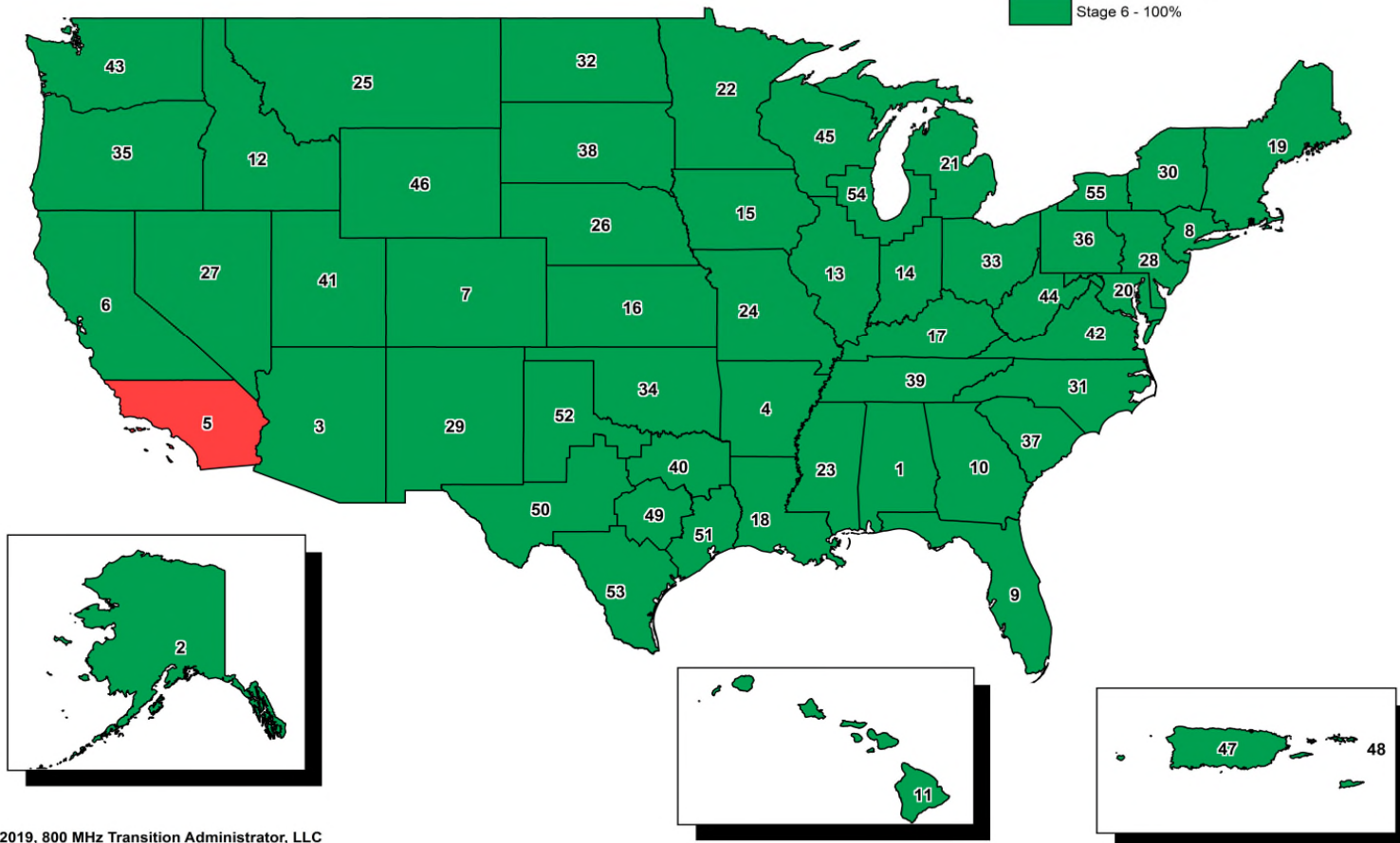
Public Safety Region (PSR)	PSR Name	Wave	Cleared NPSPAC Channels (25 kHz equivalents)*	Percentage Clear	Percentage Encumbered	Relinquishment Stage Attained	Category in FCC's 3/31/2010 and 3/31/2011 Orders and 11/27/2012 Public Notice**
48	U.S. Virgin Islands	3	120	100	0	6	0
49	Texas - Austin	2	120	100	0	6	1
50	Texas - El Paso	4	120	100	0	6	3
51	Texas - Houston	2	120	100	0	6	1
52	Texas - Lubbock	2	120	100	0	6	0
53	Texas - San Antonio	4	120	100	0	6	3
54	Chicago - Metropolitan	1	120	100	0	6	1
55	New York - Buffalo	4	120	100	0	6	3
61	Gulf of Mexico	4	120	100	0	6	N/A
62	Marianas	4	120	100	0	6	N/A
63	Guam	4	120	100	0	6	N/A
64	American Samoa	4	120	100	0	6	N/A

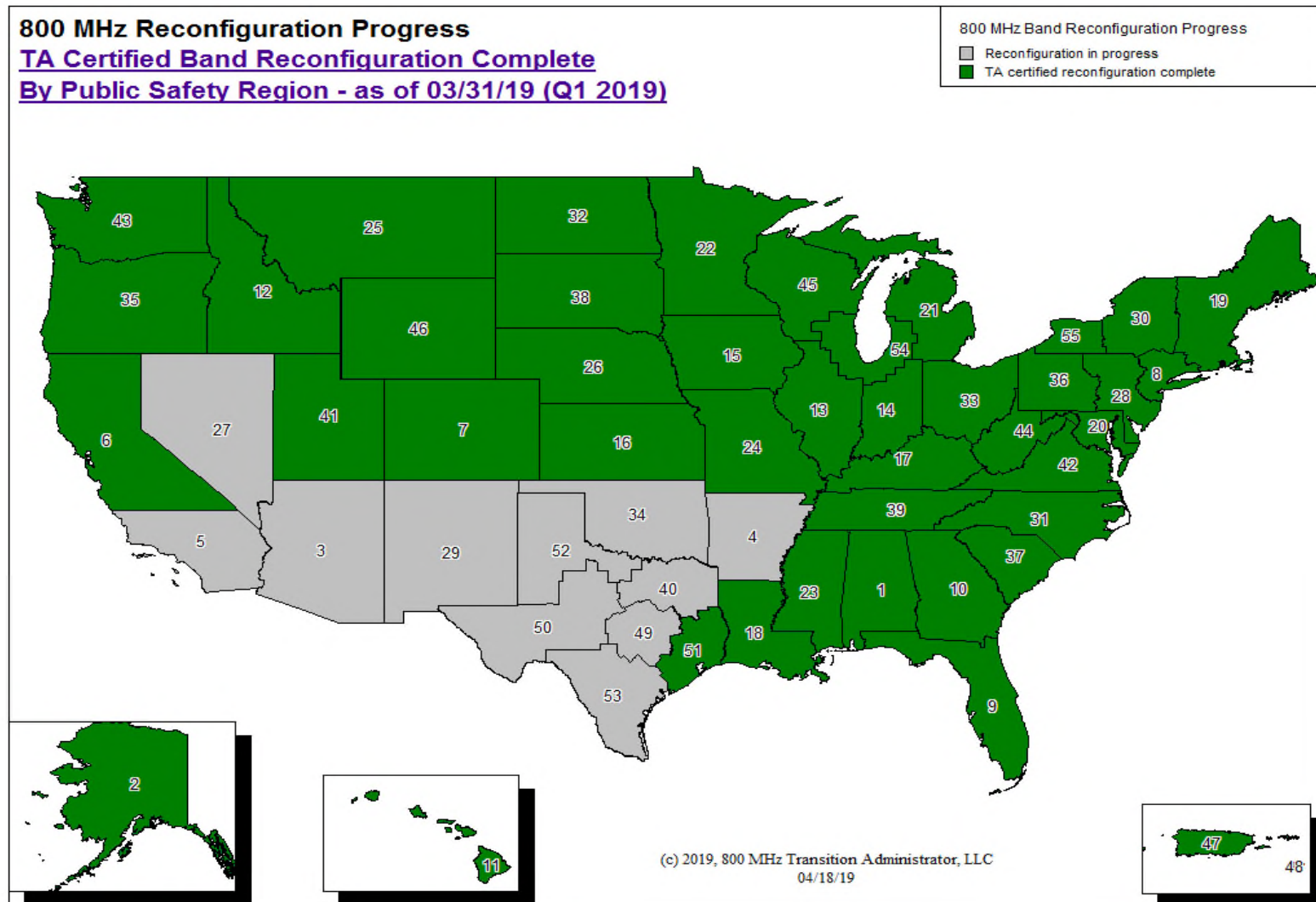
\* There are 120 25 kHz channel equivalents in the 821-824/866-869 MHz band. For a 25 kHz channel to be cleared, the center NPSPAC channel as well as the adjacent offset channels must be cleared. For instance, to clear 821/866.0625, 821/866.0500 and 821/866.0750 must also be cleared.

\*\* 0 = Vacate per DA 10-576; 1 = Vacate per DA 11-585 or DA 12-1839; 2 = Vacate in Stages; 3 = Border; N/A = not addressed in DA 10-576 or DA 11-585 (pseudo PSR number by TA)

**NPSPAC Band (866-869 MHz) Clearing Progress**  
**25 kHz Channel Equivalents**  
**ULS Data as of 03/31/19**  
**STAGES BASED ONLY ON ACTUAL NPSPAC CLEARING**

NPSPAC Clearing Stages, By NPSPAC Region  
Clearing Based on FCC ULS Data Only, not FCC Orders



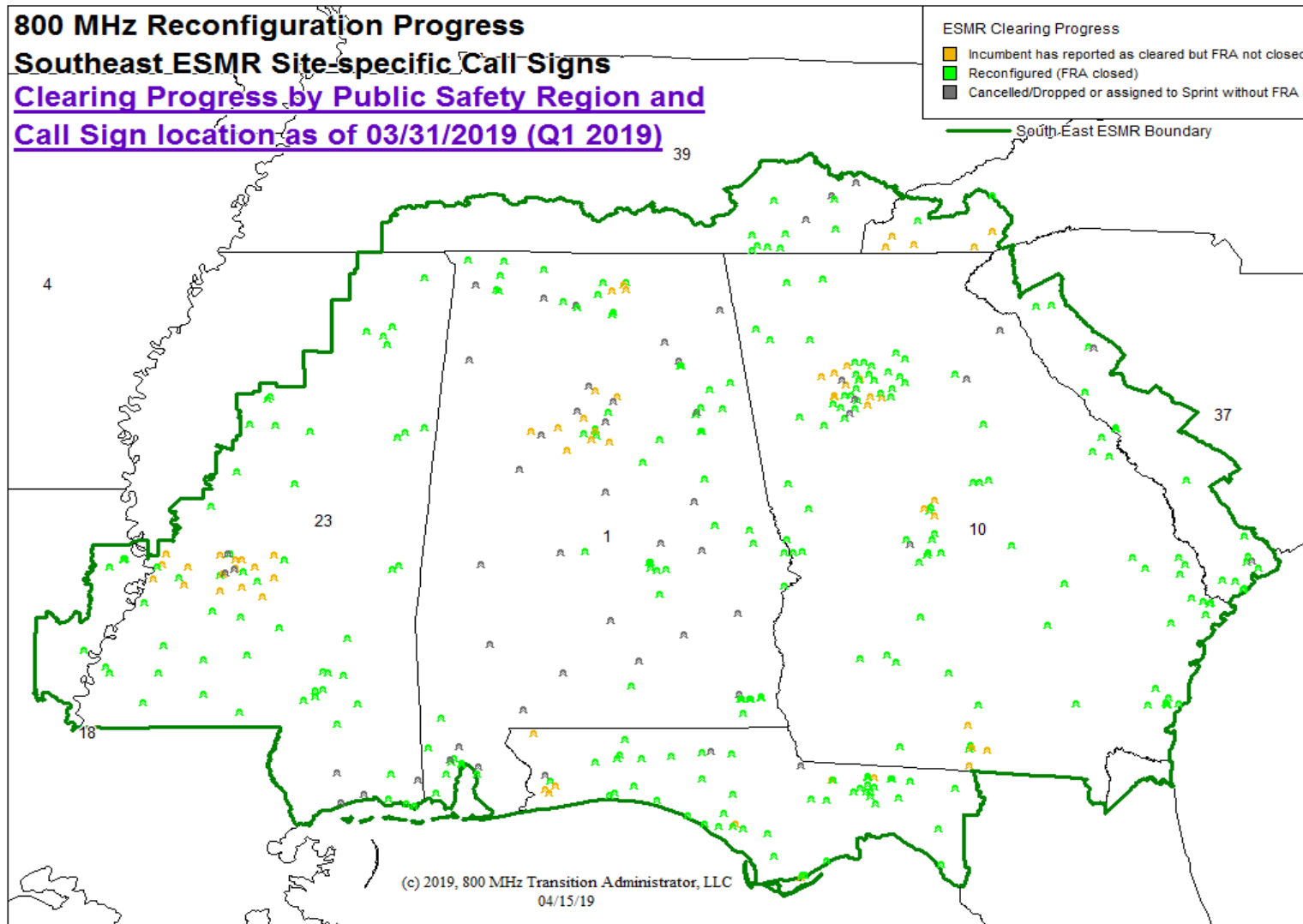


Appendix 2  
Status of Reconfiguration for Licensees in the Southeast ESMR Band:  
Milestones Completed by Number of Call Signs, Per Wave, Per Region, as of March 31, 2019

Public Safety Region (PSR)	PSR Name	Updated Call Sign Population as of 03/31/19	Sprint Initiated Contact with Licensee	Sprint and Licensee Reach Pre-Contract Agreement	Sprint Submits Frequency Reconfiguration Agreement to TA	TA Approves Frequency Reconfiguration Agreement	Through 03/31/19 Call Signs with Reconfiguration Applications Submitted to FCC	Through 03/31/19 Call Signs with Reconfiguration Applications Granted	Sprint Clears Frequencies	Incumbent Clears Frequencies	Through 03/31/19 Call Signs with Surrender Applications Submitted to FCC	Through 03/31/19 Call signs with Surrender Applications Granted
Number of Call Signs												
Wave 1	Subtotal	0	0	0	0	0	0	0	0	0	0	0
Wave 2	Subtotal	7	7	7	7	7	7	7	7	7	7	7
39	Tennessee	7	7	7	7	7	7	7	7	7	7	7
Wave 3	Subtotal	240	240	240	240	240	240	240	240	240	240	240
1	Alabama	56	56	56	56	56	56	56	56	56	56	56
9	Florida	32	32	32	32	32	32	32	32	32	32	32
10	Georgia	76	76	76	76	76	76	76	76	76	76	76
18	Louisiana	5	5	5	5	5	5	5	5	5	5	5
23	Mississippi	52	52	52	52	52	52	52	52	52	52	52
31	North Carolina	7	7	7	7	7	7	7	7	7	7	7
37	South Carolina	12	12	12	12	12	12	12	12	12	12	12
Wave 4	Subtotal	0	0		0	0	0	0	0	0	0	0
Total for Waves 1-4		247	247	247	247	247	247	247	247	247	247	247

Notes:

- a. Data for the Southeast ESMR Band call signs does not include call signs that were under contract with Sprint prior to the start of reconfiguration and for which contracts will not be submitted to the TA for review and approval for Sprint credit.
- b. The current population of call signs has been adjusted for call signs cancelled without a Frequency Reconfiguration Agreement (FRA), and incremented for any call signs added through pending applications. Licensees may cancel licenses or let them expire without entering into an FRA.
- c. Data includes call signs with fixed locations authorized for frequencies in the Southeast ESMR Band with adequate geographic data to determine a Public Safety Region.
- d. Data for the call sign population and applications may not match data for Sprint milestones due to call signs expiring or being cancelled without contracts. In addition, certain FRAs may include call signs undergoing reconfiguration that may be cancelled or assigned without frequencies being changed on that particular call sign. Call signs with old frequencies being deleted via a partial assignment are not included in the delete application data.
- e. Data between Incumbent Clear and Notify and Surrender Applications Submitted to FCC do not always match due to partial assignment applications filed in advance of frequency clearing to expedite the process and occasional time lags in the reporting on licensee frequency clearing.
- f. Incumbent Clear and Notify counts may exceed Sprint Cleared counts in certain PSRs due to Sprint data entry delays; incumbents clearing by cancelling licenses for which Sprint would not need to clear frequencies; or the replacement channels were not currently in operation in Sprint's network.





Appendix 2  
Status of Reconfiguration for Licensees in the ESMR Band:  
Milestones Completed by Number of Call Signs, Per Wave, Per Region, as of March 31, 2019

Public Safety Region (PSR)	PSR Name	Updated Call Sign Population as of 03/31/19	Sprint Initiated Contact with Licensee	Sprint and Licensee Reach Pre-Contract Agreement	Sprint Submits Frequency Reconfiguration Agreement to TA	TA Approves Frequency Reconfiguration Agreement	Through 03/31/19 Call Signs with Reconfiguration Applications Submitted to FCC	Through 03/31/19 Call Signs with Reconfiguration Applications Granted	Sprint Clears Frequencies	Incumbent Clears Frequencies	Through 03/31/19 Call Signs with Surrender Applications Submitted to FCC	Through 03/31/19 Call signs with Surrender Applications Granted
Number of Call Signs												
Wave 1	Subtotal	0	0	0	0	0	0	0	0	0	0	0
Wave 2	Subtotal	3	3	3	3	3	3	3	3	3	3	3
4	Arkansas	3	3	3	3	3	3	3	3	3	3	3
Wave 3	Subtotal	41	41	41	41	41	41	41	41	41	41	41
47	Puerto Rico	36	36	36	36	36	36	36	36	36	36	36
48	US Virgin Islands	5	5	5	5	5	5	5	5	5	5	5
Wave 4	Subtotal	0	0	0	0	0	0	0	0	0	0	0
Total for Waves 1-4		44	44	44	44	44	44	44	44	44	44	44

Notes:

- a. The current population of call signs has been adjusted for call signs cancelled without a Frequency Reconfiguration Agreement (FRA), and incremented for any call signs added through pending applications. Licensees may cancel licenses or let them expire without entering into an FRA.
- b. Data includes call signs with fixed locations authorized for frequencies in the ESMR Band with adequate geographic data to determine a Public Safety Region.
- c. Data for the call sign population and applications may not match data for Sprint milestones due to call signs expiring or being cancelled without contracts. In addition, certain FRAs may include call signs undergoing reconfiguration that may be cancelled or assigned without frequencies being changed on that particular call sign. Call signs with old frequencies being deleted via a partial assignment are not included in the delete application data.
- d. Data between Incumbent Clear and Notify and Surrender Applications Submitted to FCC do not always match due to partial assignment applications filed in advance of frequency clearing to expedite the process and occasional time lags in the reporting on licensee frequency clearing.
- e. Incumbent Clear and Notify counts may exceed Sprint Cleared counts in certain PSRs due to Sprint data entry delays; incumbents clearing by cancelling licenses for which Sprint would not need to clear frequencies; or the replacement channels were not currently in operation in Sprint's network.

### Appendix 3C

Status of Reconfiguration for Mexican Border Public Safety Licensees: Milestones Completed by Number of Frequency Reconfiguration Agreements, Per Wave, Per Region, as of March 31, 2019

NPSPAC Region	Number of FRAs	Sprint Initiated Contact with Licensee*	Sprint and Licensee Reach Pre-Contract Agreement*	FRAs Submitted to TA	FRAs Approved by TA	FRAs with Physical Retunes Reported as Completed*
		Number of Frequency Reconfiguration Agreements (FRAs)				
3	16	16	16	16	16	15
5	22	22	22	22	22	21
29	1	1	1	1	1	1
50	3	3	3	3	3	2
53	21	21	21	21	21	20
Multiregion	11	11	11	11	11	10
<b>TOTAL</b>	<b>74</b>	<b>74</b>	<b>74</b>	<b>74</b>	<b>74</b>	<b>69</b>

\* Sprint is the data source for this column. The figures have not been verified by the TA.

Appendix 4  
Entities Filing Expansion Band Elections

No additional Expansion Band Elections were filed in the quarter ended March 31, 2019. A complete list of Expansion Band Elections is available (1) in the TA's Quarterly Progress Report for the Quarter Ended September 30, 2017, which was filed in WT Docket No. 02-55 on December 14, 2017, and (2) in an archive of Appendices on the TA's website at <http://www.800TA.org>.

Appendix 5  
Call Sign-Related Reconfiguration Information, as of March 31, 2019

Current Population of Site Specific Call Signs, Per Wave, Per Region, as of March 31, 2019							
Public Safety Region (PSR)	PSR Name	Channels 1-120	Expansion Band	NPSAC Band	SE ESMR Band	ESMR Band	Total
		Number of Call Signs					
<b>Wave 1</b>	<b>Subtotal</b>	<b>791</b>	<b>299</b>	<b>1927</b>	<b>0</b>	<b>0</b>	<b>3017</b>
6	CA - North	107	88	136	0	0	331
7	Colorado	27	15	224	0	0	266
8	NY - Metro (CT, NJ, NY, PA)	96	36	389	0	0	521
11	Hawaii	55	5	28	0	0	88
13	Illinois	40	12	139	0	0	191
14	Indiana	27	34	147	0	0	208
19	ME, NH, VT, MA, RI, CT	73	24	134	0	0	231
20	MD; DC; VA - Northern	66	5	96	0	0	167
27	Nevada	63	5	38	0	0	106
28	NJ, PA, DE	67	6	216	0	0	289
35	Oregon	48	1	40	0	0	89
41	Utah	21	3	146	0	0	170
42	Virginia	52	23	58	0	0	133
45	Wisconsin	13	10	3	0	0	26
54	Chicago	36	32	133	0	0	201
<b>Wave 2</b>	<b>Subtotal</b>	<b>469</b>	<b>175</b>	<b>764</b>	<b>7</b>	<b>3</b>	<b>1418</b>
4	Arkansas	38	45	95	0	3	181
12	Idaho	14	0	0	0	0	14
15	Iowa	16	16	7	0	0	39
16	Kansas	33	6	280	0	0	319
17	Kentucky	16	13	16	0	0	45
22	Minnesota	74	10	50	0	0	134
24	Missouri	37	11	19	0	0	67
25	Montana	19	0	1	0	0	20
26	Nebraska	10	4	32	0	0	46
32	North Dakota	6	0	0	0	0	6
34	Oklahoma	25	3	40	0	0	68
38	South Dakota	1	0	0	0	0	1
39	Tennessee	43	28	56	7	0	134
40	TX - Dallas	38	21	44	0	0	103
44	West Virginia	3	1	10	0	0	14
46	Wyoming	1	2	7	0	0	10
49	TX - Austin	11	9	67	0	0	87
51	TX - Houston	42	5	38	0	0	85
52	TX - Lubbock	42	1	2	0	0	45
<b>Wave 3</b>	<b>Subtotal</b>	<b>511</b>	<b>199</b>	<b>1100</b>	<b>240</b>	<b>41</b>	<b>2091</b>
1	Alabama	9	28	32	56	0	125
9	Florida	216	61	330	32	0	639
10	Georgia	49	29	82	76	0	236
18	Louisiana	79	15	74	5	0	173
23	Mississippi	23	18	24	52	0	117
31	North Carolina	67	23	368	7	0	465
37	South Carolina	37	23	177	12	0	249
47	Puerto Rico	18	2	13	0	36	69
48	US Virgin Islands	13	0	0	0	5	18

Appendix 5  
Call Sign-Related Reconfiguration Information, as of March 31, 2019

Current Population of Site Specific Call Signs, Per Wave, Per Region, as of March 31, 2019							
Public Safety Region (PSR)	PSR Name	Channels 1-120	Expansion Band	NPSPAC Band	SE ESMR Band	ESMR Band	Total
		Number of Call Signs					
<b>Wave 4</b>	<b>Subtotal</b>	<b>813</b>	<b>188</b>	<b>1701</b>	<b>0</b>	<b>0</b>	<b>2702</b>
2	Alaska	22	1	1	0	0	24
3	Arizona*	69	7	99	0	0	175
5	CA - South*	82	24	390	0	0	496
21	Michigan	57	0	340	0	0	397
29	New Mexico*	25	5	9	0	0	39
30	NY - Albany	91	62	189	0	0	342
33	Ohio	105	37	178	0	0	320
36	Pennsylvania	11	9	231	0	0	251
43	Washington	148	15	177	0	0	340
50	TX - El Paso*	10	2	5	0	0	17
53	TX - San Antonio*	16	6	32	0	0	54
54	MI portion of Chicago	9	5	25	0	0	39
55	New York - Buffalo	168	15	25	0	0	208
61	Gulf of Mexico	0	0	0	0	0	0
62	Marianas	0	0	0	0	0	0
63	Guam	0	0	0	0	0	0
64	American Samoa	0	0	0	0	0	0
<b>Total for Waves 1-4</b>		<b>2584</b>	<b>861</b>	<b>5492</b>	<b>247</b>	<b>44</b>	<b>9228</b>

\* Data includes 1-120, Expansion Band and NPSPAC call signs in the U.S.-Mexico border regions.

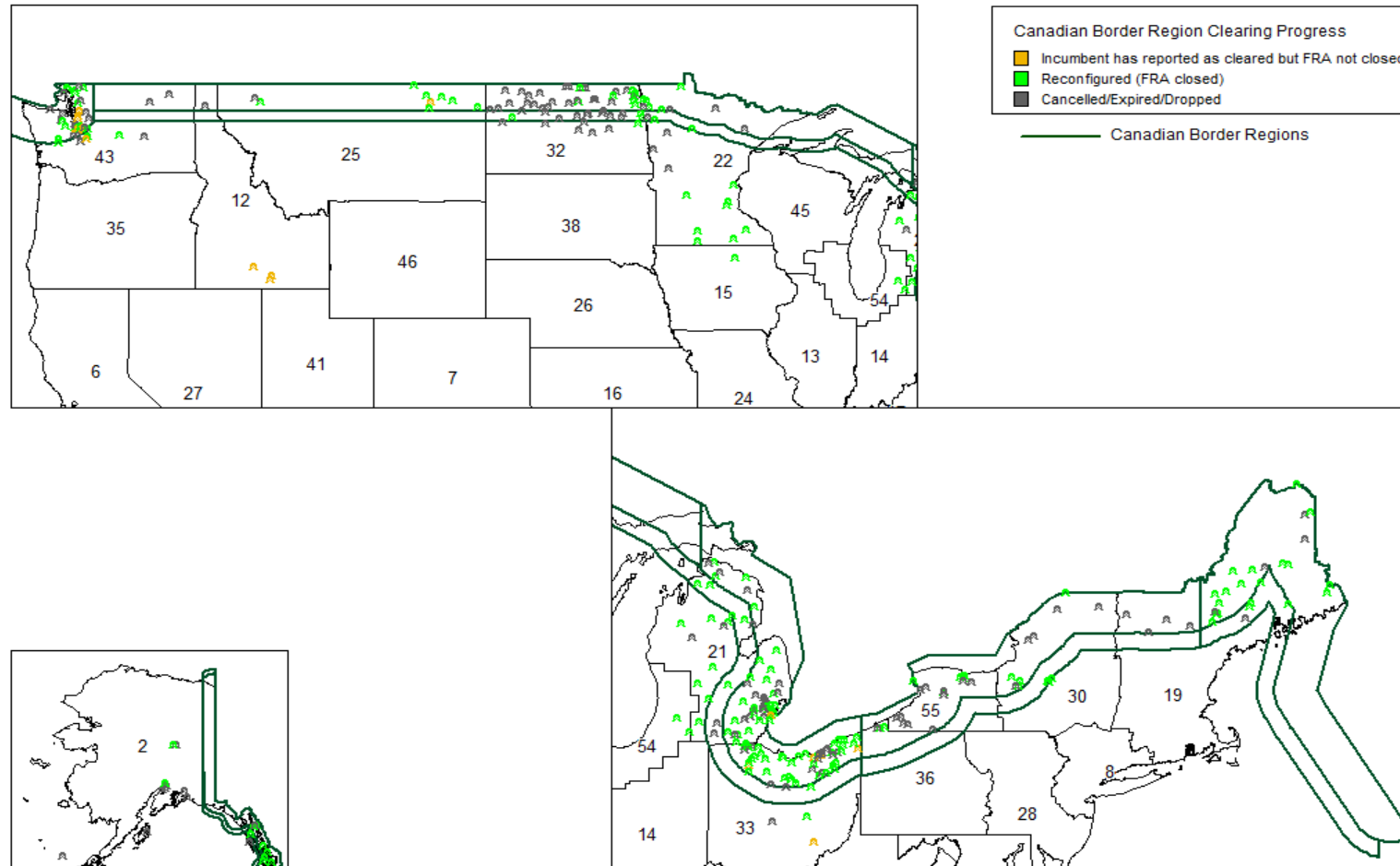
Appendix 5

Call Sign-Related Reconfiguration Information for the Canadian Border Regions, as of March 31, 2019

Current Population of Canadian Border Region Site Specific Call Signs, Per Wave, Per Region, as of March 31, 2019				
Public Safety Region (PSR)	PSR Name	Stage 1	Stage 2	Total
		Number of Call Signs		
<b>Wave 1</b>	<b>Subtotal</b>	<b>15</b>	<b>5</b>	<b>20</b>
19	ME, NH, VT, MA, RI, CT	15	2	17
35	Oregon	0	3	3
<b>Wave 2</b>	<b>Subtotal</b>	<b>34</b>	<b>3</b>	<b>37</b>
12	Idaho	3	0	3
22	Minnesota	13	3	16
25	Montana	4	0	4
32	North Dakota	14	0	14
<b>Wave 3</b>	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Wave 4</b>	<b>Subtotal</b>	<b>140</b>	<b>1188</b>	<b>1328</b>
2	Alaska	21	0	21
21	Michigan	35	362	397
30	NY - Albany	11	23	34
33	Ohio	34	239	273
36	Pennsylvania	3	226	229
43	Washington	30	283	313
54	MI portion of Chicago	1	27	28
55	New York - Buffalo	5	28	33
<b>Total for Waves 1-4</b>		<b>189</b>	<b>1196</b>	<b>1385</b>

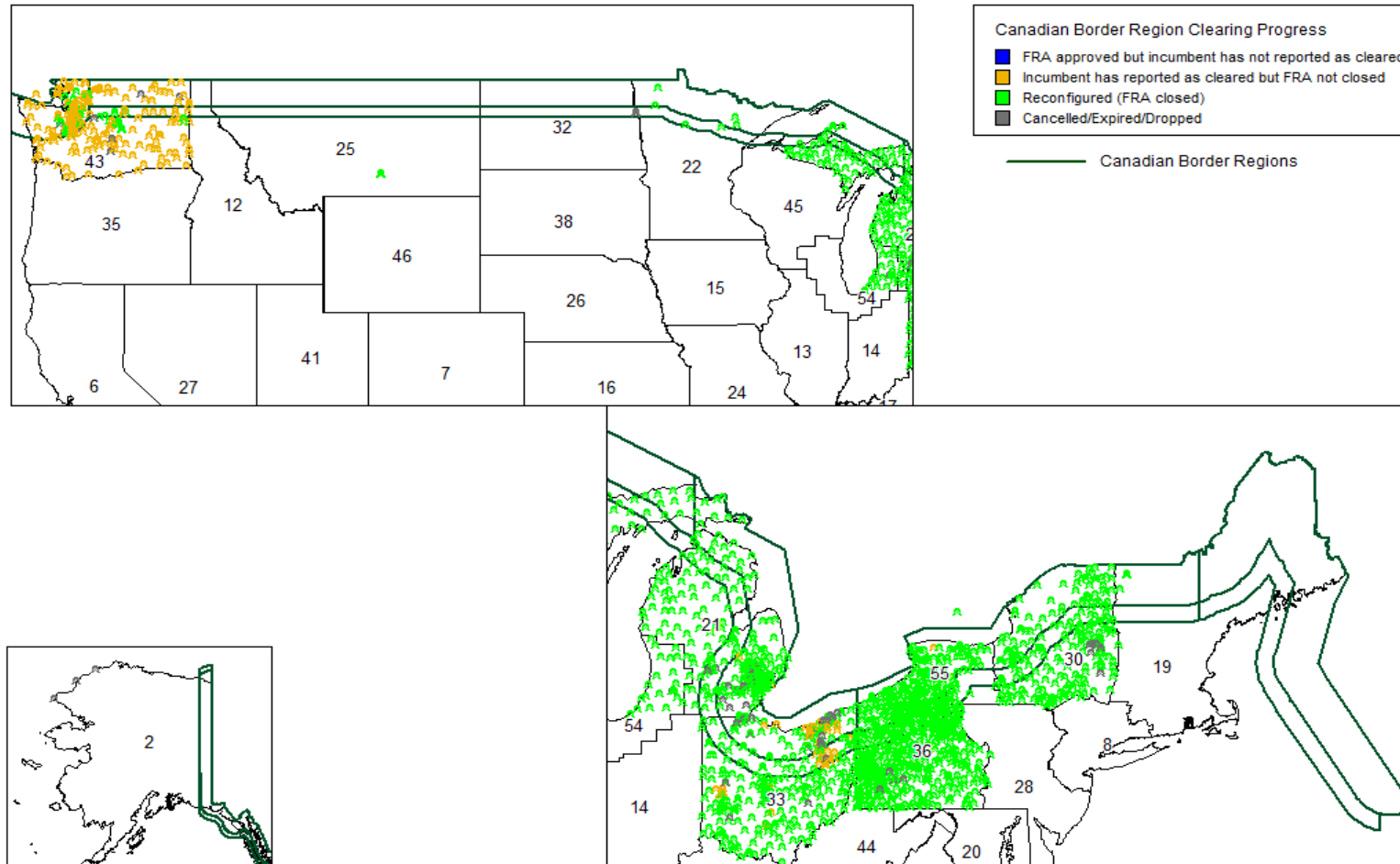
**800 MHz Reconfiguration Progress**  
**Canadian Border Regions, Stage 1 Site-specific Call Signs**  
**Clearing Progress and Call Sign location as of 03/31/19 (Q1 2019)**

(c) 2019, 800 MHz Transition Administrator, LLC  
04/15/19



**800 MHz Reconfiguration Progress**  
**Canadian Border Regions, Stage 2 Site-specific Call Signs**  
**Clearing Progress and Call Sign location as of 03/31/19 (Q1 2019)**

(c) 2019, 800 MHz Transition Administrator, LLC  
04/15/19





# Appendix 5

Call Sign-Related Reconfiguration Information for the Mexican Border Region, as of March 31, 2019

Current Population of Mexican Border Region Site Specific Call Signs, Per Wave, Per Region, as of March 31, 2019				
Public Safety Region (PSR)	PSR Name	Public Safety	Non Public Safety	Total
		Number of Call Signs		
<b>Wave 1</b>	<b>Subtotal</b>	<b>6</b>	<b>0</b>	<b>6</b>
6	CA - North	3	0	3
27	Nevada	3	0	3
<b>Wave 2</b>	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Wave 3</b>	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Wave 4</b>	<b>Subtotal</b>	<b>739</b>	<b>213</b>	<b>952</b>
3	Arizona	131	46	177
5	CA - South	558	81	639
29	New Mexico	3	11	14
50	TX - El Paso	13	31	44
53	TX - San Antonio	34	44	78
<b>Total for Waves 1-4</b>		<b>745</b>	<b>213</b>	<b>958</b>

Note: Region 5 licensees also have call signs in both Regions 6 and 27 that will be part of Mexican border reconfiguration

Appendix 5  
Call Sign-Related Reconfiguration Information, as of March 31, 2019

Frequency Proposal Reports for Waves 1-4, as of March 31, 2019															
Status	Wave 1			Wave 2				Wave 3				Wave 4			
	1-120	Exp Band	NPSPAC	1-120	SE ESMR	Exp Band	NPSPAC	1-120	SE ESMR	Exp Band	NPSPAC	1-120	Exp Band	NPSPAC	Other
FPR Sent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Under Prior Contract	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Affected by Border Zone	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
EA/ESMR Related Call Signs	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Recent grants, revised or pending proposals	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
FPRs in process	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Notes:

- a. Data for Channels 1-120 call signs excludes call signs that were under contract with Sprint prior to the start of reconfiguration and for which contracts are not going to be submitted to the TA for review and approval for Sprint credit. Data for Expansion Band call signs excludes call signs under prior contract and call signs for which licensees have elected not to reconfigure.
- b. The current population of call signs has been adjusted for call signs cancelled without a Frequency Reconfiguration Agreement (FRA), and incremented for any call signs added through pending applications. Licensees may cancel licenses or let them expire without entering into an FRA.
- c. Data for Channels 1-120 call signs includes call signs with at least one primary fixed location authorized for frequencies the 851-854 MHz range with adequate geographic data to determine a PSR. Expansion Band data includes call signs with at least one primary fixed location in the Expansion Band, as the Expansion Band may be defined inside and outside the Southeast ESMR region, with adequate geographic data to determine a PSR. NPSPAC data includes call signs with fixed locations in the 866-869 MHz range with adequate geographic data to determine a PSR. Southeast ESMR Band data includes call signs with fixed locations in the 858.5-862 MHz range within the Southeast ESMR region and with adequate geographic data to determine a PSR. Call signs with locations in multiple PSRs are counted for each PSR. Call signs are counted within every PSR for which they have a fixed primary location.
- d. Data has been adjusted to reflect the change in the band plan in the Atlanta area pursuant to the FCC's October 5, 2005 Memorandum Opinion and Order.
- e. Wave 4 Other includes the following US-Mexico border area reconfiguration categories: Sharing Zone 1-120, Sharing Zone Interleaved, Sharing Zone NPSPAC, ESMR, Guard Band.

## Appendix 8

### Summary of FRAs and PFAs that Closed or are Pending TA Completion Certification Review

The data in Appendix 8 only includes FRAs and PFAs that closed during the quarter ended March 31, 2019 or are pending TA Completion Certification review as of March 31, 2019. A complete list of FRAs and PFAs that closed as of December 31, 2018 is available in an archive of Appendices on the TA's website at <http://www.800TA.org>.

# Appendix 8

Summary of Stage 1 FRAs that are Pending TA Completion Certification Review, as of March 31, 2019

Stage 1 FRAs Pending TA Completion Certification Review			
	Deal Name	TA Completion Certification Receipt Date	Deal Count
Wave 1			
Subtotal FRA count for Wave 1			0
Wave 2			
Subtotal FRA count for Wave 2			0
Wave 3			
Subtotal FRA count for Wave 3			0
Wave 4			
1	HOOPER, STEVEN E	7/7/2009	
2	Choice Phone ESMR rebanding	7/23/2018	
Subtotal FRA count for Wave 4			2
Canadian Border Region			
Subtotal FRA count for Canadian Border Region			0
Mexican Border Region			
Subtotal FRA count for Mexican Border Region			0
Total FRAs Pending TA Completion Certification Review			2

Appendix 8  
Summary of Stage 2 FRAs that Closed During the Quarter Ended March 31, 2019

Stage 2 FRAs			
	Deal Name	TA Completion Certification Receipt Date	Deal Count
Wave 1			
Subtotal FRA count for Wave 1			0
Wave 2			
Subtotal FRA count for Wave 2			0
Wave 3			
Subtotal FRA count for Wave 3			0
Wave 4			
Subtotal FRA count for Wave 4			0
Canadian Border Region			
Subtotal FRA count for Canadian Border Region			0
Mexican Border Region			
1	LOS ANGELES UNIFIED SCHOOL DISTRICT, CA	1/10/2019	
Subtotal FRA count for Mexican Border Region			1
Total FRAs			1

# Appendix 8

## Summary of Stage 2 FRAs Pending TA Completion Certification Review, as of March 31, 2019

Stage 2 FRAs Pending TA Completion Certification Review			
	Deal Name	TA Completion Certification Receipt Date	Deal Count
<b>Wave 1</b>			
1	OLD BRIDGE, TOWNSHIP OF, NJ PH II	3/29/2018	
2	INDIANA, STATE OF PH II	8/13/2018	
3	OAKLAND, CITY OF, CA PH II	9/28/2018	
4	GRUNDY E-911, COUNTY OF, IL PH II	1/30/2019	
5	SACRAMENTO, COUNTY OF, CA PH II	2/4/2019	
6	Dorchester, County of, MD PH II MA only	3/4/2019	
7	Southern Nevada, RTC of	3/5/2019	
8	Fairfax County, VA - NCR Regional Coordination	3/25/2019	
9	FAIRFAX, COUNTY OF, VA PH II	3/26/2019	
<b>Subtotal FRA count for Wave 1</b>			<b>9</b>
<b>Wave 2</b>			
1	COLLIN, COUNTY OF, TX PH II	3/29/2018	
2	Bastrop, County of, Texas, TX PH II	6/26/2018	
3	SAINT LOUIS, COUNTY OF, MN PH II	9/28/2018	
4	LLANO, COUNTY OF, TX PH II	11/12/2018	
5	Lee, County of, TX PH II	1/10/2019	
6	ARLINGTON, CITY OF, TX PH II	2/4/2019	
7	Arkansas, State of PH II	3/1/2019	
8	KANSAS CITY, CITY OF, MO PH II	3/11/2019	
9	LINCOLN, CITY OF, NE PH II	3/11/2019	
10	BRYAN, CITY OF, TX PH II	3/13/2019	
<b>Subtotal FRA count for Wave 2</b>			<b>10</b>
<b>Wave 3</b>			
1	FLORENCE, COUNTY OF, SC PH II	6/5/2018	
2	Calcasieu Parish Communications District PH II	6/27/2018	
3	Iberville, Parish of, LA PH II OEP	9/12/2018	
4	Ascension, Parish Of, LA PH II	11/15/2018	
5	COBB, COUNTY OF, GA PH II MA	2/11/2019	
6	Spartanburg County, SC PH II SED Only	2/18/2019	
7	WEST PALM BEACH, CITY OF, FL PHII	3/5/2019	
<b>Subtotal FRA count for Wave 3</b>			<b>7</b>
<b>Wave 4</b>			
<b>Subtotal FRA count for Wave 4</b>			<b>0</b>
<b>Canadian Border Region</b>			
1	Puyallup, City of, WA	3/30/2018	
2	Miami, County of, OH	5/21/2018	
3	Ottawa, County of, OH	7/6/2018	
4	San Juan, County of, WA	10/9/2018	
5	Port of Seattle, WA Canadian Rebanding	1/10/2019	
6	Franklin, County of, OH	1/30/2019	
7	Canton, City of OH	2/21/2019	
<b>Subtotal FRA count for Canadian Border Region</b>			<b>7</b>
<b>Mexican Border Region</b>			
<b>Subtotal FRA count for Mexican Border Region</b>			<b>0</b>
<b>Total FRAs Pending TA Completion Certification Review</b>			<b>33</b>

Appendix 9  
Summary of Stage 1 FRAs that have not Closed, as of March 31, 2019

Stage 1 FRAs with Physical Reconfiguration Activities Complete that have not Closed			
	Deal Name	Aging from Completion of Physical Reconfiguration Activities (In Months)	Deal Count
<b>Wave 1</b>			
1	DeLasaux Thomas	157.37	
2	Worcester, City of	152.57	
3	Boston, City of - Police (MA)	96.00	
4	Fairfax County, VA (MW- COG)	71.00	
<b>Subtotal FRA count for Wave 1</b>			<b>4</b>
<b>Wave 2</b>			
<b>Subtotal FRA count for Wave 2</b>			<b>0</b>
<b>Wave 3</b>			
1	BIBB, COUNTY OF, GA	124.13	
2	Liberty Communications, Inc.	105.13	
3	DeKalb County Police Department, GA	86.20	
4	PENSACOLA, CITY OF, FL	81.03	
5	MIAMI BEACH, CITY OF, FL	72.00	
6	MIRAMAR, CITY OF, FL	68.57	
<b>Subtotal FRA count for Wave 3</b>			<b>6</b>
<b>Wave 4</b>			
1	ORLEANS PARISH SCHOOL BOARD, LA	97.13	
2	RANKIN, COUNTY OF, MS	87.47	
3	JEFFERSON, PARISH OF, LA	77.13	
4	SAINT JOHN THE BAPTIST, PARISH OF, LA	71.23	
<b>Subtotal FRA count for Wave 4</b>			<b>4</b>
<b>Canadian Border Region</b>			
1	United Telephone Company of Ohio	94.57	
2	ArcelorMittal Cleveland Inc.	87.00	
3	Continental Airlines, Inc.	81.67	
4	Radio Service Company Canadian Rebanding	78.07	
5	The Boeing Company	49.80	
<b>Subtotal FRA count for Canadian Border Region</b>			<b>5</b>
<b>Mexican Border Region</b>			
1	Mobile Relay Associates Rebanding	54.73	
2	San Diego Gas & Electric Mexican Rebanding	54.67	
3	3KFA, LLC	50.80	
4	CPC Arizona Holdings, Inc.	50.33	
5	Hearthstone Enterprises Mexico Rebanding	49.07	
6	R&M Repeater	45.90	
7	William Holland	43.70	
8	Southern California Edison Rebanding	30.40	
9	AUTOMOBILE CLUB OF SOUTHERN CALIFORNIA	29.93	
10	Action Communications Inc.	27.70	
11	COLTON UNIFIED SCHOOL DISTRICT	23.63	
12	Caterpillar Mexican Rebanding	21.27	
13	Arizona Public Service Company	14.67	
14	Rio Grande Valley Sugar Growers	14.37	
15	Schull, Erik D	10.93	
16	Zappia, Henry K Rebanding	10.43	
17	Valley Communications	7.30	
18	Vazquez, Ruben	6.90	
19	Peters, David	4.40	
20	Mobile Relay Partners Ltd	2.63	
21	Loya, Carmen G	1.93	
22	Perez, Guillermo	1.93	
23	Solis Quezada, Ricardo	1.93	
24	J. Paul Getty Trust	1.60	
<b>Subtotal FRA count for Mexican Border Region</b>			<b>24</b>
<b>Total FRAs</b>			<b>43</b>



Appendix 9  
Summary of Stage 2 FRAs that have not Closed, as of March 31, 2019

Stage 2 FRAs with Physical Reconfiguration Activities Complete that have not Closed			
	Deal Name	Aging from Completion of Physical Reconfiguration Activities (In Months)	Deal Count
<b>Wave 1</b>			
1	University of California - Santa Cruz PH II	126.13	
2	CAMDEN, CITY OF, NJ PH II	125.67	
3	UNION, COUNTY OF, NJ PH II	115.63	
4	Colorado, State of PH II	107.90	
5	NASSAU, COUNTY OF, NY PH II	106.03	
6	HAMILTON, COUNTY OF, IN PH II	102.50	
7	ORANGE COUNTY SHERIFF, NY PH II	101.80	
8	PORTLAND, CITY OF, ME PH II	101.57	
9	Department of Correction, Massachusetts PH II	100.87	
10	BOSTON, CITY OF, MA PH II - POLICE	93.73	
11	Livermore, City of, CA PH II	91.33	
12	VANDEBURGH, COUNTY OF, IN PH II	91.33	
13	Portland, City of, OR PH II	86.47	
14	GREENWICH, TOWN OF, CT PH II	85.13	
15	MARYLAND, STATE OF PH II	82.90	
16	NORWALK, CITY OF, CT PH II	82.90	
17	SOMERSET, COUNTY OF, MD PH II	82.57	
18	Santa Clara, City of, CA PH II	81.27	
19	NORFOLK, COUNTY OF, MA PH II	80.83	
20	MASSACHUSETTS PORT AUTHORITY, MA PH II	80.57	
21	WORCESTER, CITY OF, MA PH II	80.23	
22	Boston Public Health Commission, City of, MA PH II	79.07	
23	SUFFOLK, CITY OF, VA PH II	77.53	
24	METRO WASHINGTON AIRPORTS AUTH (MWAA) PH II	75.20	
25	Chicago, City of, IL PH II Aviation	71.60	
26	FREDERICK, COUNTY OF, MD PH II	71.47	
27	ELGIN, CITY OF, IL PH II	71.00	
28	PORTSMOUTH, CITY OF, VA PH II	70.90	
29	BOSTON, CITY OF, MA PH II - Trunked System	70.07	
30	MASSACHUSETTS WATER RESOURCES AUTHORITY, MA PH II	69.70	
31	CHICAGO, CITY OF, IL PH II	69.17	
32	MASSACHUSETTS, COMMONWEALTH OF PH II	68.93	
33	CHARLES, COUNTY OF, MD PH II	68.90	
34	MANASSAS, CITY OF, VA PH II	66.67	
35	CHERRY HILL, TOWNSHIP OF, NJ PH II	64.73	
36	UNION CITY, CITY OF, NJ PH II	64.37	
37	ESSEX, COUNTY OF, NJ PH II	63.90	
38	Illinois, State of, PH II Public Safety Agency Network	63.43	
39	HARFORD COUNTY, MD, MD PH II	61.20	
40	Chesterfield, County of, VA PH II Mutual Aid	61.07	
41	MONTGOMERY, COUNTY OF, MD PH II	60.50	
42	MONTGOMERY, COUNTY OF, PA PH II	57.47	
43	CALVERT, COUNTY OF, MD PH II	54.43	
44	CAPITAL REGION AIRPORT COMMISSION, VA PH II	52.23	
45	UPPER MARYLAND EASTERN SHORE CONSORTIUM, MD PH II	52.20	
46	WORCESTER, COUNTY OF, MD PH II	48.83	
47	RICHMOND, CITY OF, VA PH II	34.47	
48	HENRICO, COUNTY OF, VA PH II	33.90	
49	California, State of PH II FRA1	18.17	
<b>Subtotal FRA count for Wave 1</b>			<b>49</b>
<b>Wave 2</b>			
1	UNIVERSITY PARK, CITY OF, TX PH II	120.60	
2	CARROLLTON, CITY OF, TX PH II	107.30	
3	Orange, City of, TX Ph II	106.53	

Appendix 9  
Summary of Stage 2 FRAs that have not Closed, as of March 31, 2019

Stage 2 FRAs with Physical Reconfiguration Activities Complete that have not Closed			
	Deal Name	Aging from Completion of Physical Reconfiguration Activities (In Months)	Deal Count
4	POLK, COUNTY OF, IA PH II	101.93	
5	KNOX, COUNTY OF, TN PH II	96.90	
6	BELL, COUNTY OF, TX PH II	96.80	
7	LONGVIEW, CITY OF, TX PH II	96.77	
8	Riley, County of, KS PH II	96.43	
9	Conroe, City of, TX PH II	90.93	
10	Tennessee, State of PH II (TEMA)	90.60	
11	Sarpy, County of, NE PH II	89.93	
12	WASHINGTON COUNTY SHERIFF DEPARTMENT, NE PH II	88.33	
13	GRAND PRAIRIE, CITY OF, TX PH II	85.27	
14	COPPERAS COVE, CITY OF, TX PH II	84.37	
15	GARLAND, CITY OF, TX PH II	84.20	
16	DOUGLAS, COUNTY OF, NE PH II	83.17	
17	OKLAHOMA CITY, CITY OF, OK PH II	82.43	
18	MANSFIELD, CITY OF, TX PH II	81.30	
19	Blanco County, TX PH II	81.13	
20	BEDFORD, CITY OF, TX PH II	79.17	
21	LITTLE ROCK, CITY OF, AR PH II	78.50	
22	TRAVIS, COUNTY OF, TX PH II	73.93	
23	IRVING, CITY OF, TX PH II	73.70	
24	Kansas, State of, PH II	72.53	
25	HOUSTON INDEPENDENT SCHOOL DISTRICT, TX PH II	72.03	
26	DALLAS, CITY OF, TX PH II	71.00	
27	Harris, County of, TX Ph II-Regional Radio System	68.47	
28	DENTON, COUNTY OF, TX PH II	66.17	
29	EDMOND, CITY OF, OK PH II	64.30	
30	NORMAN, CITY OF, OK PH II	59.83	
31	Oklahoma, State of PH II	41.43	
<b>Subtotal FRA count for Wave 2</b>			<b>31</b>
<b>Wave 3</b>			
1	LOWNDES, COUNTY OF, GA PH II	105.53	
2	NEW ORLEANS, PORT OF PH II	99.80	
3	PUERTO RICO, COMMONWEALTH OF PH II	94.00	
4	NOXUBEE, COUNTY OF, MS PH II	91.07	
5	Bossier, City of, LA PH II	89.67	
6	MISSISSIPPI, STATE OF, DOC PH II	89.07	
7	Puerto Rico State Police, PR PH II	83.50	
8	HUNTSVILLE, CITY OF, AL PH II	83.43	
9	Metropolitan Atlanta Rapid Trans Auth, GA PHII	79.87	
10	MARION, COUNTY OF, FL PH II	79.17	
11	HIGH POINT, CITY OF, NC PH II	76.47	
12	RAPIDES, PARISH OF, LA PH II	76.13	
13	New Orleans, City of, LA PH II	74.57	
14	PLANTATION, CITY OF, FL PH II	73.00	
15	BIRMINGHAM, CITY OF, AL PH II	72.30	
16	HINDS, COUNTY OF, MS PH II	71.00	
17	LEE, COUNTY OF, FL PH II	70.90	
18	SALISBURY, CITY OF, NC PH II	70.90	
19	Jefferson Parish SO, LA PH II Region 1	70.07	
20	VICKSBURG, CITY OF, MS PH II	70.07	
21	JACKSON, CITY OF, MS PH II	69.47	
22	PALM BEACH, COUNTY OF, FL PH II	69.47	
23	MECKLENBURG, COUNTY OF, NC PH II	67.73	
24	BAYAMON, MUNICIPAL GOVERNMENT OF, PR PH II	65.97	
25	SAINT CHARLES, PARISH OF, LA PH II	65.23	

Appendix 9  
Summary of Stage 2 FRAs that have not Closed, as of March 31, 2019

Stage 2 FRAs with Physical Reconfiguration Activities Complete that have not Closed			
	Deal Name	Aging from Completion of Physical Reconfiguration Activities (In Months)	Deal Count
26	Jefferson Parish SO, LA PH II	64.23	
27	COBB, COUNTY OF, GA PH II	61.10	
28	New Hanover, County of, NC PH II	57.57	
29	FAYETTEVILLE, CITY OF, NC PH II	51.70	
30	ONslow COUNTY OF, NC PH II	49.43	
31	PINELLAS, COUNTY OF, FL PH II	47.70	
32	WINSTON SALEM, CITY OF, NC PH II	36.53	
33	MIAMI-DADE, COUNTY OF, FL PH II	34.47	
34	NORTH CAROLINA, STATE OF PH II	29.23	
<b>Subtotal FRA count for Wave 3</b>			<b>34</b>
<b>Wave 4</b>			
1	BEXAR METROPOLITAN WATER DISTRICT, TX PH II	121.07	
2	LIVE OAK, CITY OF, TX PH II	113.47	
3	CORPUS CHRISTI, CITY OF, TX PH II	109.53	
4	SAN ANTONIO, CITY OF, TX PH II	96.07	
5	CALDWELL, COUNTY OF, TX PH II	89.97	
6	RENSSELAER, COUNTY OF, NY PH II	86.47	
7	WARREN, COUNTY OF, OH PH II	72.07	
8	Santa Fe, City of, NM PH II	65.43	
9	OXFORD, CITY OF, OH PH II	63.77	
10	NEW MEXICO, STATE OF, NM PH II	4.60	
<b>Subtotal FRA count for Wave 4</b>			<b>10</b>
<b>Canadian Border Region</b>			
1	Geauga, County of, OH	85.53	
2	Seattle City Light Canadian Rebanding	82.43	
3	Genesee, County of, MI	72.20	
4	Green, City of OH	71.00	
5	Warren, City of, MI	70.07	
6	Stark, County of, OH	68.77	
7	Warren, City of, OH	64.57	
8	Pickaway, County of, OH	64.47	
9	Parma Heights, City of, OH	63.13	
10	Summit, County of, OH	62.97	
11	Brook Park, City of, OH	62.43	
12	Grosse Pointe Farms, City of, MI	62.43	
13	Orleans, County of, NY	59.10	
14	Bellingham, City of, WA	54.57	
15	Eastside Public Safety Comm Agency, WA	28.37	
16	WASHINGTON, STATE OF	27.03	
17	King, County of, WA	26.30	
18	Seattle, City of, WA	26.30	
19	Valley Communications Center, WA	26.30	
20	Snohomish County Emergency Radio System, WA	15.23	
<b>Subtotal FRA count for Canadian Border Region</b>			<b>20</b>
<b>Mexican Border Region</b>			
1	TORRANCE, CITY OF, CA	55.13	
2	GILA RIVER INDIAN COMMUNITY, AZ PH II	34.63	
3	Roma CISD Transportation Dept	31.43	
4	VENTURA, COUNTY OF, CA PH II	29.07	
5	ORANGE COUNTY TRANSPORTATION AUTHORITY, CA PH II	28.80	
6	MARICOPA, COUNTY OF, AZ PH II	24.23	
7	Pascua Yaqui Tribe	24.23	
8	LOS ANGELES, COUNTY OF, CA PH II	23.87	
9	Texas DPS - Subscribers Only	23.23	
10	Northern Arizona University	22.70	

Appendix 9  
Summary of Stage 2 FRAs that have not Closed, as of March 31, 2019

Stage 2 FRAs with Physical Reconfiguration Activities Complete that have not Closed			
	Deal Name	Aging from Completion of Physical Reconfiguration Activities (In Months)	Deal Count
11	Tohono Oodham Nation of Arizona	21.77	
12	LAKE ELSINORE UNIFIED SCHOOL DISTRICT, CA	21.40	
13	La Mesa Spring Valley School District	19.77	
14	Tucson Airport Authority	18.57	
15	LOWER RIO GRANDE VALLEY DVLPM T COUNCIL PH II	16.20	
16	LAKE HAVASU CITY, CITY OF, AZ PH II	14.13	
17	Riverside, County of, CA PH II	12.30	
18	ARIZONA, STATE OF PH II	11.83	
19	Creative Communications - Interop Only	10.00	
20	IMPERIAL IRRIGATION DISTRICT, CA PH II	9.17	
21	LOS ANGELES, CITY OF, CA Police	8.33	
22	Pima County Information Technology	8.10	
23	SAN BENITO C.I.S.D. POLICE DEPARTMENT, TX PH II	7.80	
24	ORANGE, COUNTY OF, CA PH II	7.53	
25	Laredo, City of	6.60	
26	Coachella Valley Water District	6.37	
27	LAS CRUCES, CITY OF, NM PH II	4.87	
28	McAllen City of	4.53	
29	Weslaco Independent School District	2.63	
30	La Joya ISD	2.03	
31	EDINBURG CISD POLICE DEPARTMENT, TX PH II	2.00	
32	YSLETA DEL SUR PUEBLO, TX PH II	2.00	
33	SAN BERNARDINO, COUNTY OF, CA PH II	1.53	
34	Rio Grande Police Department	1.50	
35	Hidalgo, City of	1.23	
36	McAllen Independent School District	1.10	
37	PHARR, CITY OF, TX PH II	0.30	
38	Eastern Riverside County Interoperable Communications Authority	0.13	
<b>Subtotal FRA count for Mexican Border Region</b>			<b>38</b>
<b>Total FRAs</b>			<b>182</b>

Appendix 9  
Summary of Stage 2 PFAs that have not Closed, as of March 31, 2019

Stage 2 PFAs that have not Closed		
	Deal Name	Deal Count
<b>Wave 1</b>		
1	Colorado CallComm EA Swap	
2	Fairfax County, VA - NCR Regional Coordination	
3	NORWALK, CITY OF, CT PH II	
4	UNION CITY, CITY OF, NJ PH II	
<b>Subtotal PFA count for Wave 1</b>		<b>4</b>
<b>Wave 2</b>		
1	TENNESSEE, STATE OF PH II	
<b>Subtotal PFA count for Wave 2</b>		<b>1</b>
<b>Wave 3</b>		
1	JACKSON, CITY OF, MS PH II	
2	Metropolitan Atlanta Rapid Trans Auth, GA PHII	
<b>Subtotal PFA count for Wave 3</b>		<b>2</b>
<b>Wave 4</b>		
<b>Subtotal PFA count for Wave 4</b>		<b>0</b>
<b>Canadian Border Region</b>		
<b>Subtotal PFA count for Canadian Border Region</b>		<b>0</b>
<b>Mexican Border Region</b>		
1	CALIFORNIA, STATE OF PH II	
2	IRVINE, CITY OF, CA, CA PH II	
3	Los Angeles, City of STRS system	
4	MARICOPA, COUNTY OF, AZ PH II	
5	Mission, City of	
6	PHARR, CITY OF, TX PH II	
7	San Bernadino, County Of, CA PH II	
8	University of California - Riverside PH II	
9	Willacy, County of	
<b>Subtotal PFA count for Mexican Border Region</b>		<b>9</b>
<b>Total PFAs</b>		<b>16</b>

Appendix 9

Summary of FRAs for Licensees in the ESMR Band that have not Closed, as of March 31, 2019

FRAs for Licensees in the ESMR Band with Physical Reconfiguration Activities Complete that have not Closed			
	Deal Name	Aging from Completion of Physical Reconfiguration Activities (In Months)	Deal Count
<b>Wave 1</b>			
Subtotal FRA count for Wave 1			0
<b>Wave 2</b>			
Subtotal FRA count for Wave 2			0
<b>Wave 3</b>			
1	Communications Leasing Corporation	65.53	
Subtotal FRA count for Wave 3			1
<b>Wave 4</b>			
Subtotal FRA count for Wave 4			0
Total FRAs			1

Appendix 10  
800 MHz Transition Administrator, LLC  
Fees and Expenses through March 31, 2019

	Quarter Ending March 31, 2019	Year-to-Date
<b>Fees</b>		
Frequency Management	\$403,873	\$403,873
Financial Management	\$495,159	\$495,159
General Counsel/Regulatory Management	\$416,401	\$416,401
Stakeholder Implementation Management	\$403,026	\$403,026
TA Systems Support	\$139,392	\$139,392
Program Management Support	\$137,876	\$137,876
Alternative Dispute Resolution	\$47,560	\$47,560
<i>Fees Subtotal</i>	\$2,043,287	\$2,043,287
<b>Expenses</b>	\$33,081	\$33,081
<b>Total Fees and Expenses</b>	<b>\$2,076,368</b>	<b>\$2,076,368</b>