

**Great Lakes Region Public Safety  
Agencies Proposed Band Plan For  
Canada Border Regions 1, 2, 3, and 4**

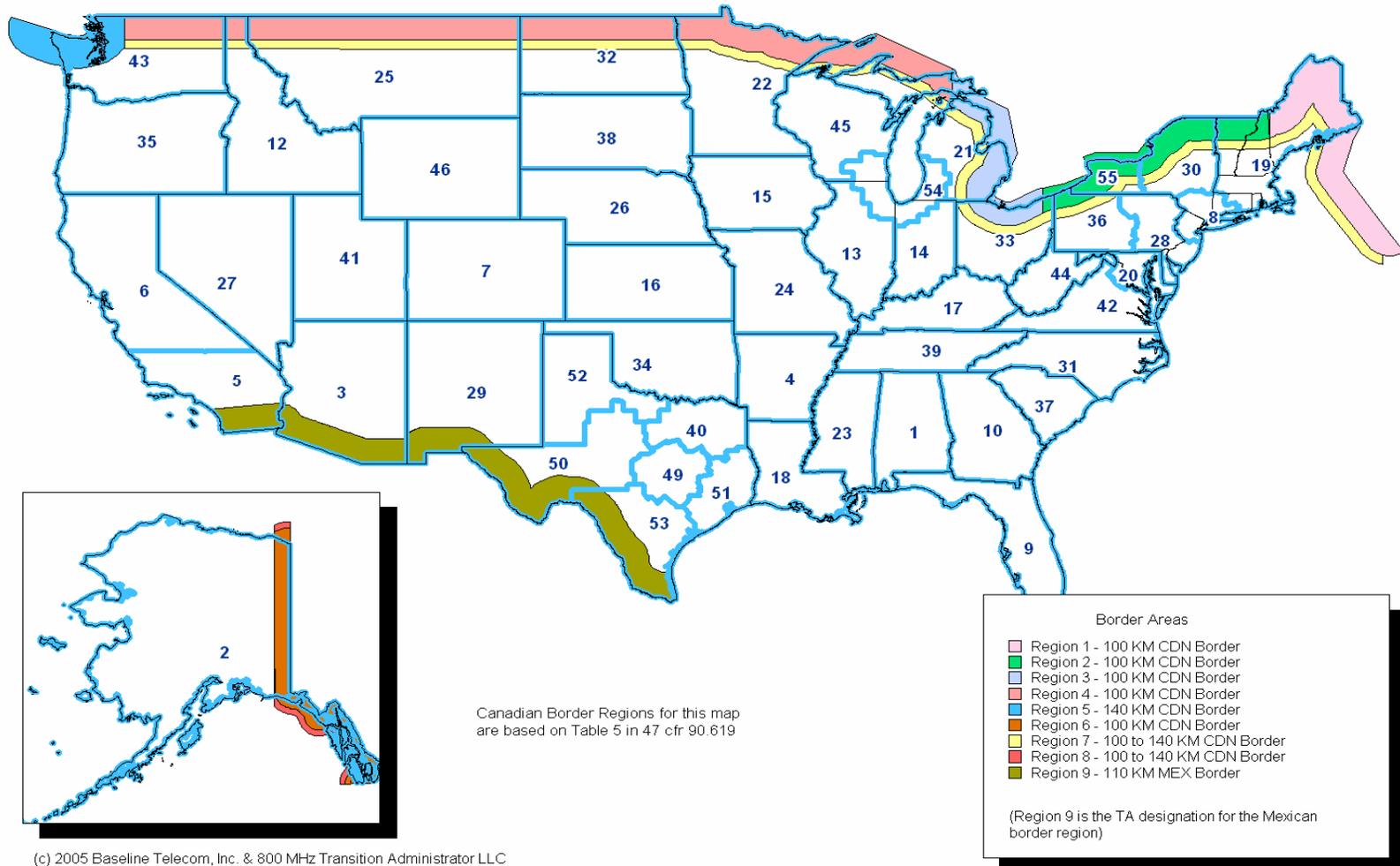
FCC 800 MHz Regional Planning Committees: 30, 33, and 55

# Assumptions and Summary

- The following presents the current state of discussions and recommendations of the following Public Safety Agencies operating in the Great Lakes Region:
  - State of New York, PSR 55; PSR 30
  - State of Ohio, PSR 33
  - State of Michigan, PSR 21
- These recommendations pertain only to Public Safety licensing and do not make recommendations pertaining to other licensees except as how they affect Public Safety
- The Great Lakes Public Safety Agencies assume that there will be no change to Canadian Allocations; however we do request clarification that the Table 25 map applies to channels in the 806 – 809 / 851 – 854 MHz band for the purposes of setting the Region 2 – Region 3 border.
- All NPSPAC Mutual Aid Channels should follow the general US and Canadian band plans. If those frequencies are currently occupied, they must be cleared. Sprint Nextel will not offer service on Canadian Mutual Aid Channels along the border.
- The number of Business, I/LT and SMR channels, and their frequency locations and ratios, may differ after reconfiguration
- The proposals for the Canadian Border Regions will also affect assignments in the Canadian Border Region 7 territory directly below Regions, 1, 2, 3, and 4 respectively. In Region 7, we recommend that:
  - No US ESMR service should be allowed below 862 MHz
  - Sprint may offer ESMR service on Canadian Mutual Aid Channels

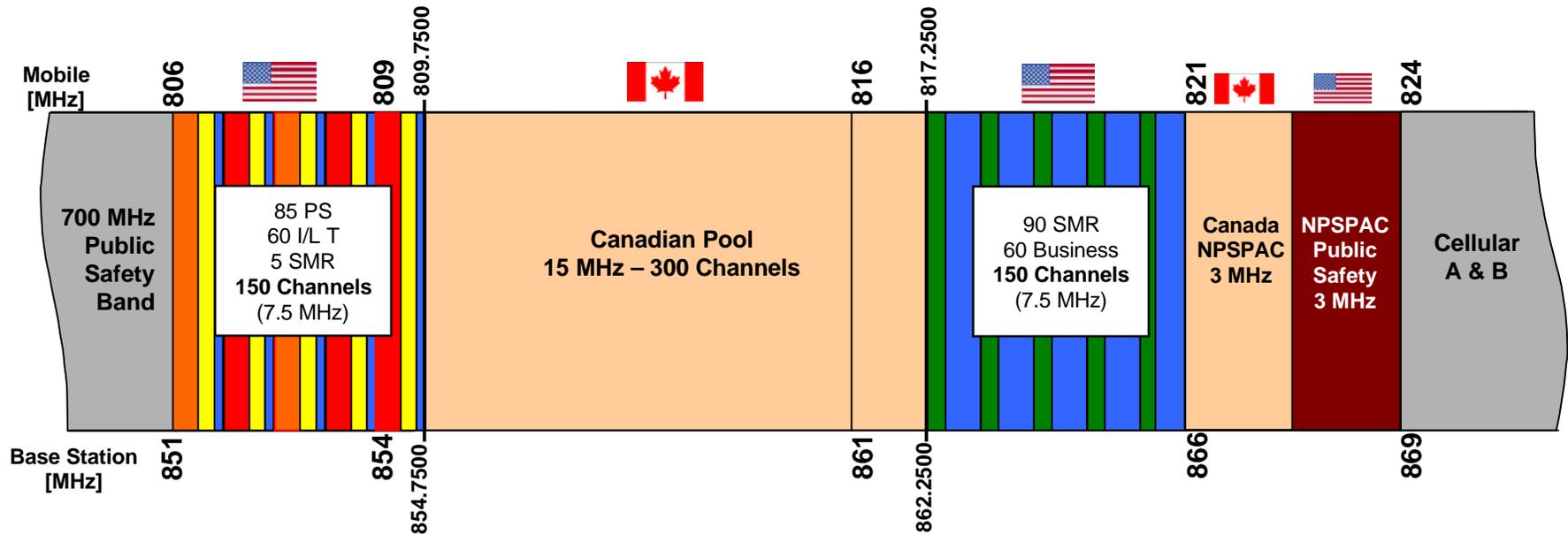
# FCC-Defined 800 MHz Border Areas

800 MHz Border Regions for non-NPSPAC channels  
(NPSPAC border regions vary slightly along the OH-PA border)



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# Current Band Plan: Canadian Border Regions 1 & 4



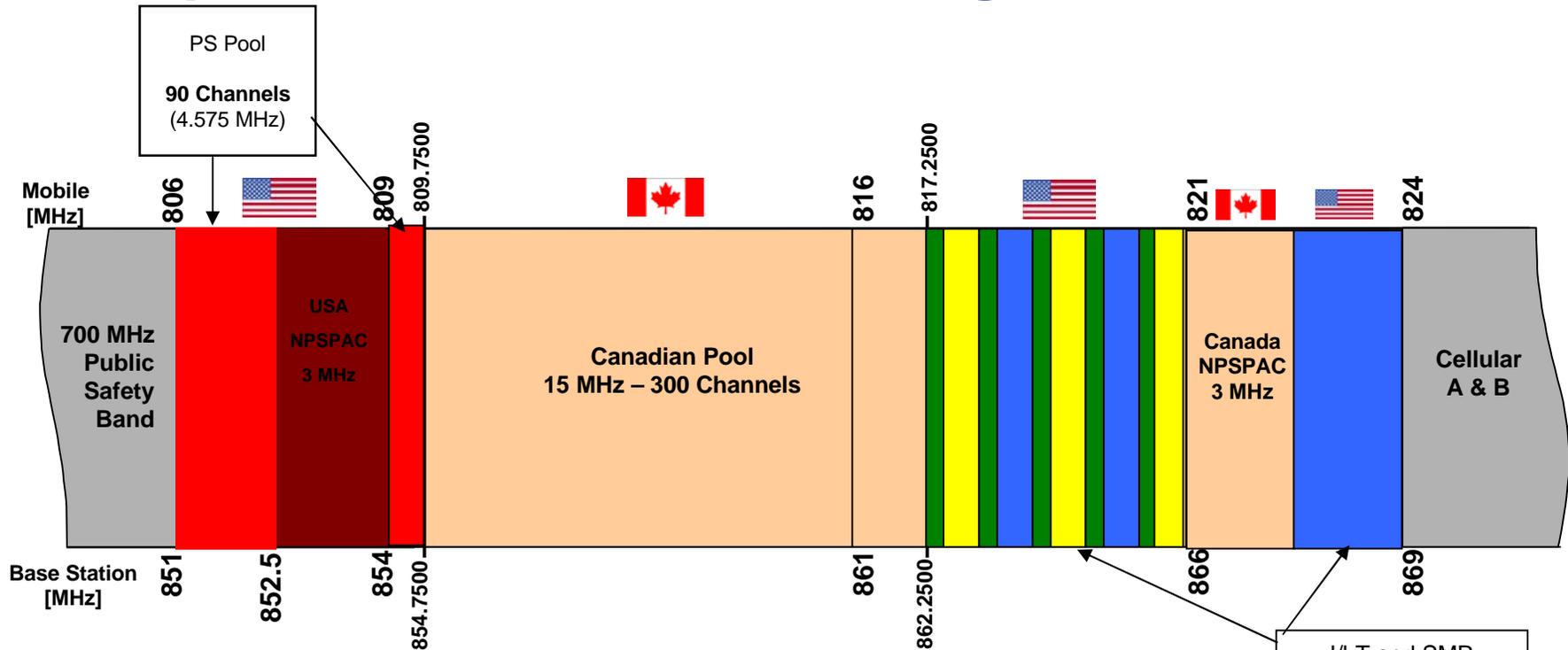
## US Frequency Pools



## Issue:

1. US NPSPAC is primary to Canada in only half the normal allocation.

# Proposed Canadian Border Regions 1 & 4 Band Plan



## US Frequency Pools

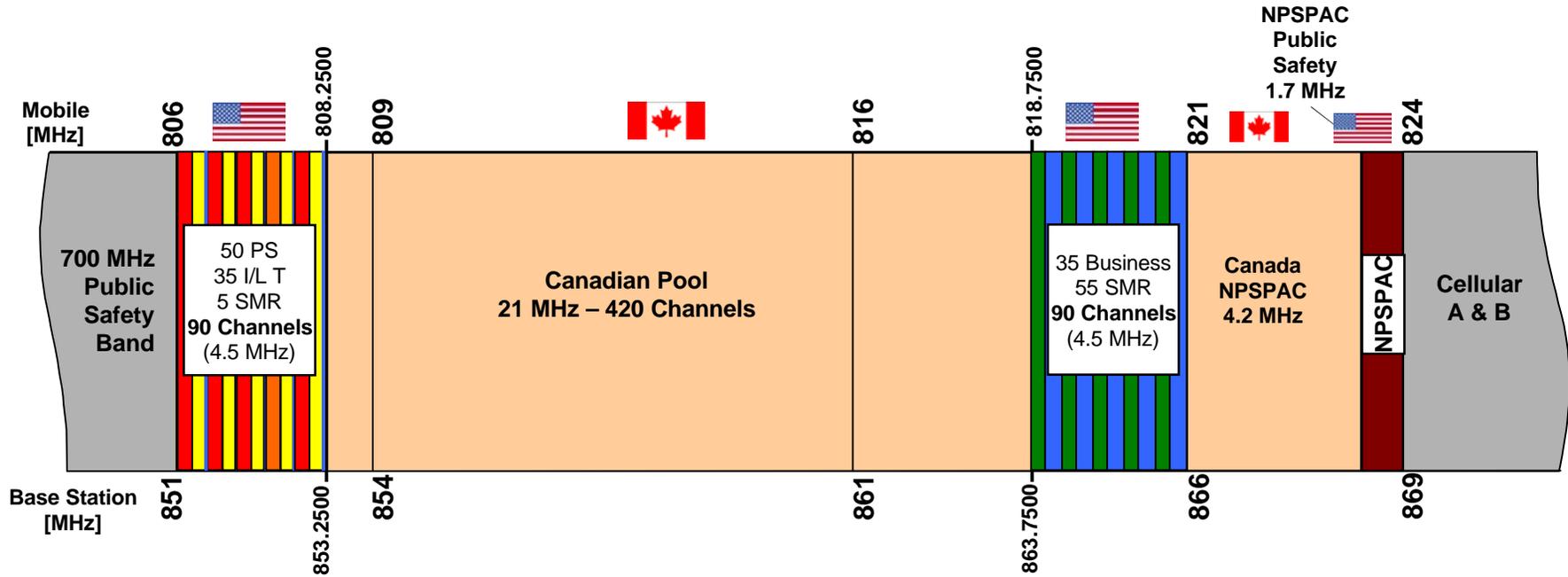


## Notes:

- No US ESMR operation secondary to Canada be allowed below 855.7875 to create a guard band for PS
- Public safety licensees currently secondary to Canada in 866.000 to 867.500 move to 851.000 to 852.500 where there are no existing US Public Safety operations, or to 854.7875 to 861.000 on a secondary basis to Canada. Movement to the Canadian primary pool may require changes to the field strength allowable levels to match the current NPSPAC Band.

I/LT and SMR relocated from 851-854.7875 MHz. Exact assignments and ratios to be determined

# Current Band Plan For Canadian Border Region 2



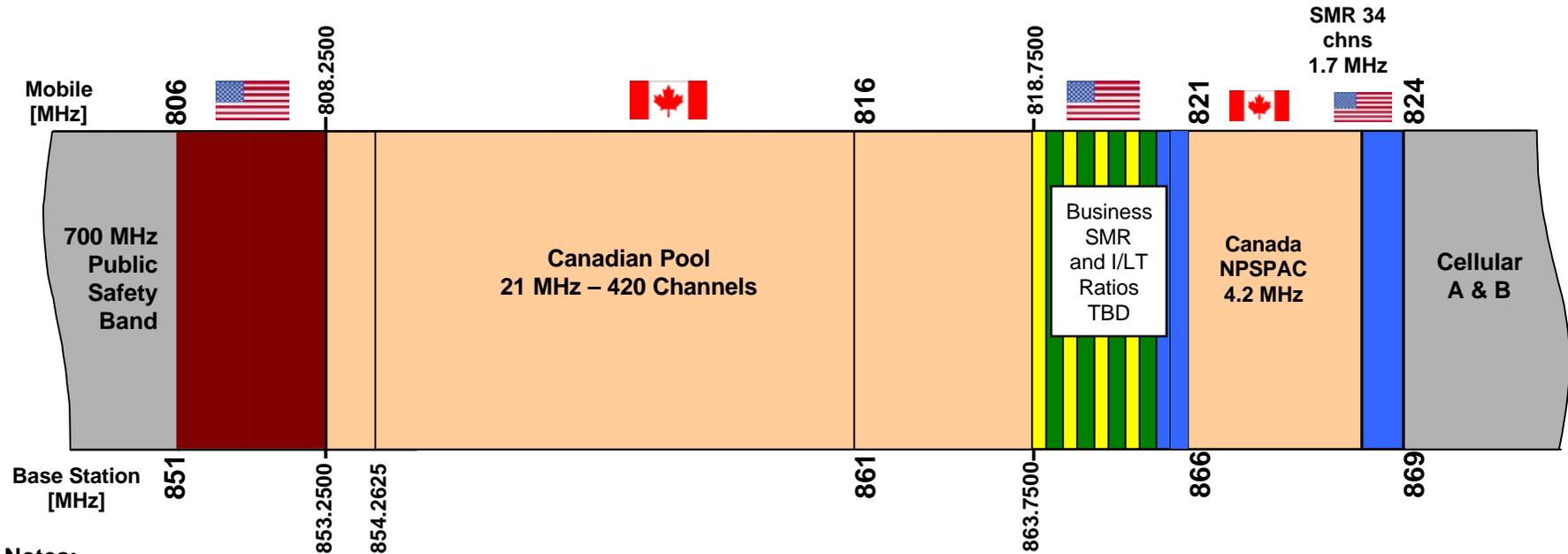
## US Frequency Pools

- Public Safety - NPSPAC
- Public Safety
- Industrial/Land Transportation
- SMR
- Business

## Issues:

1. Only 1.7 MHz of US NPSPAC use is primary to the US.
2. Significant PS usage already on 851 – 854 MHz with limited options for US primary channels.
3. Current PS use in 851-854 requires a frequency-by-frequency re-pack for the NPSPAC licenses moving down

# Canada Region 2 Proposed Plan



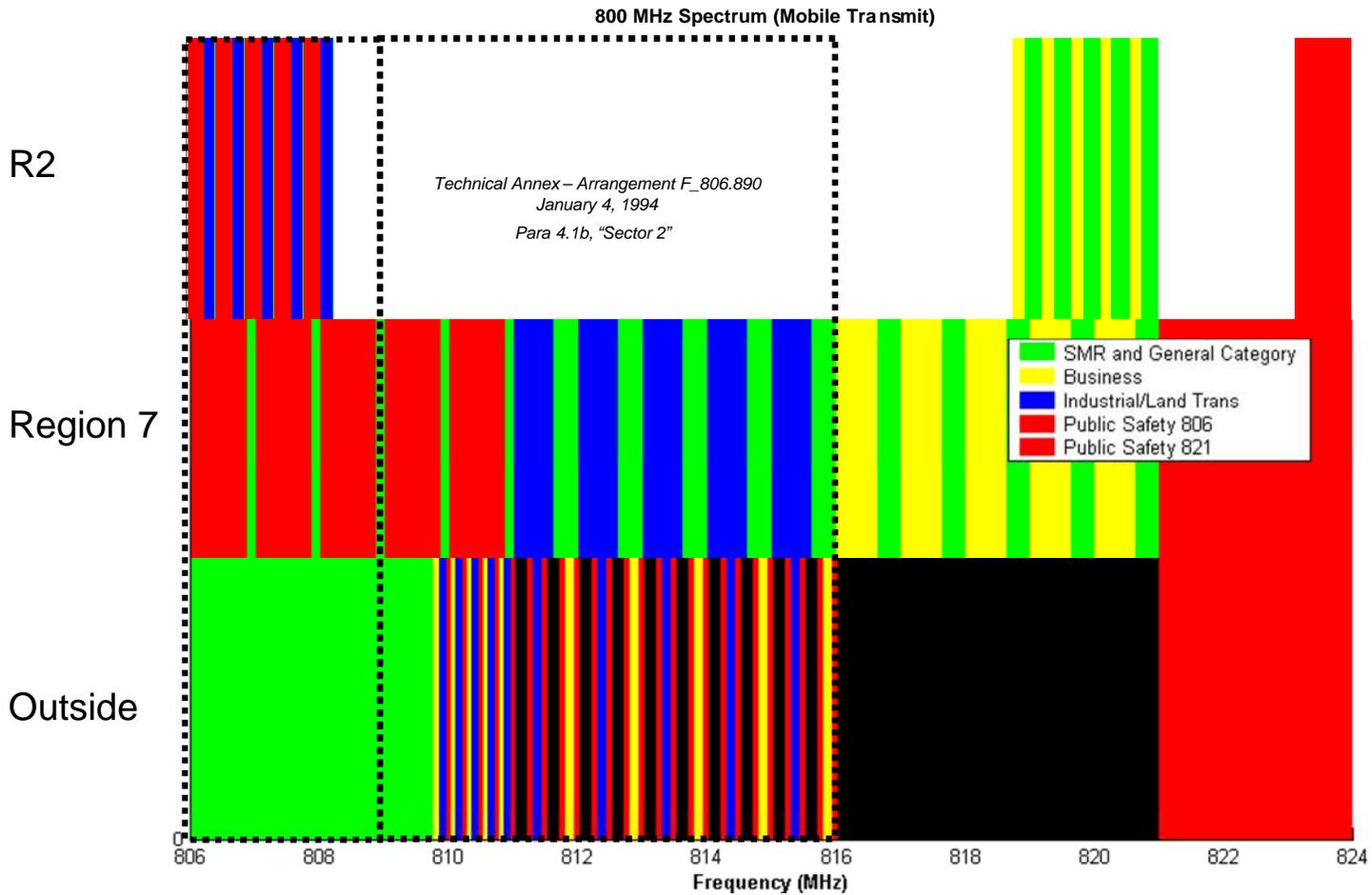
**Notes:**

- No US ESMR operation secondary to Canada be allowed below 854.2625 to create a guard band for PS
- Public Safety assignments within the 851 to 853.2625 sub band will follow the following order of precedence:
  1. NPSPAC Mutual Aid channels will mirror the rest of the country
  2. Existing public safety assignments below 854 will remain on their original frequency
  3. US Primary NPSPAC channels originally above 868.0125 will move down on a frequency-by-frequency re-pack
  4. Region 7 will need to move simultaneously with their corresponding border region (see next two slides); and cross-region (e.g. Region 2 to Region 3) conflicts will also need to be worked out in the re-packing

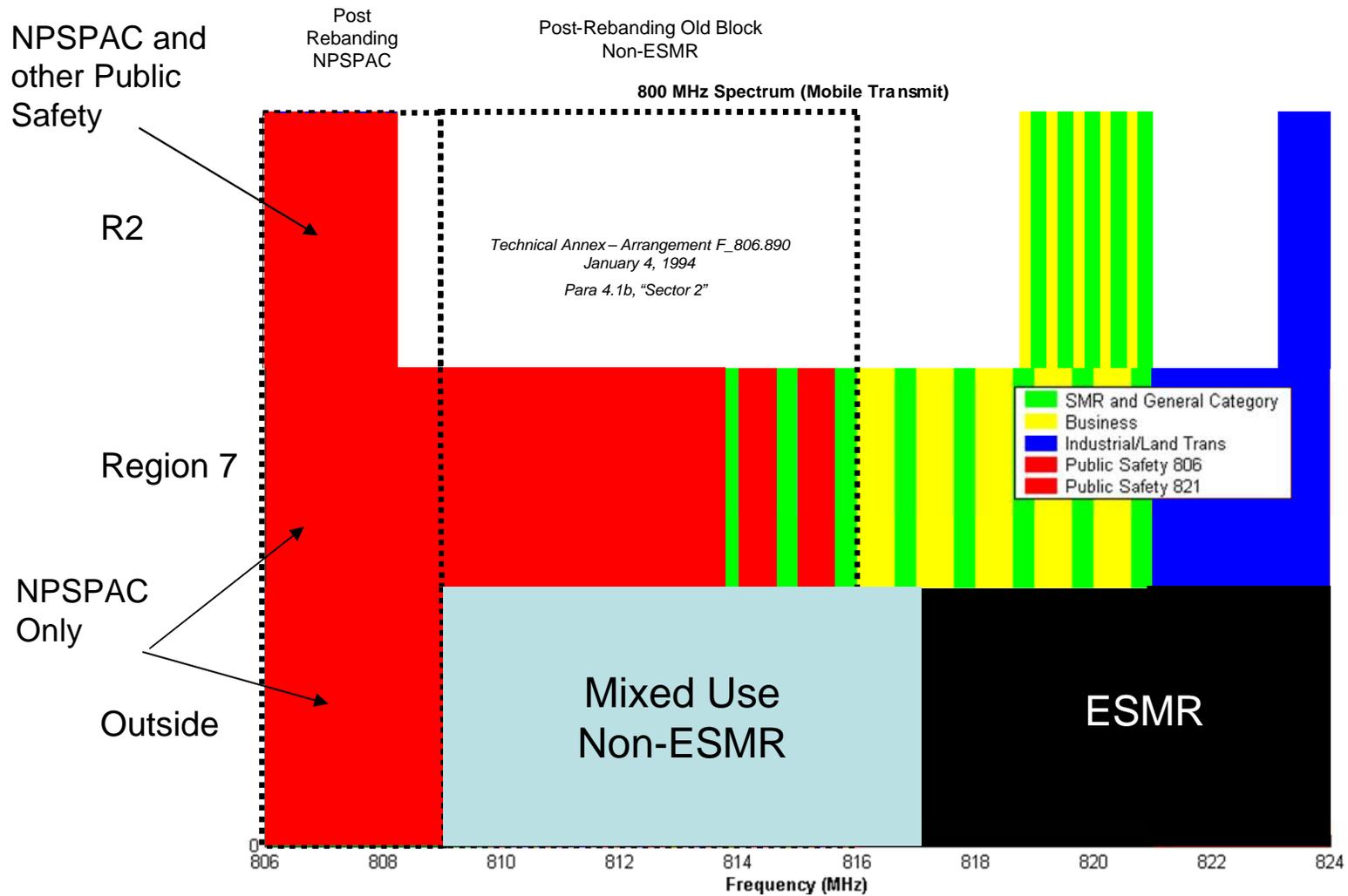
**US Frequency Pools**

Public Safety Pool and NPSPAC
  Industrial/Land Transportation
  Business
  SMR

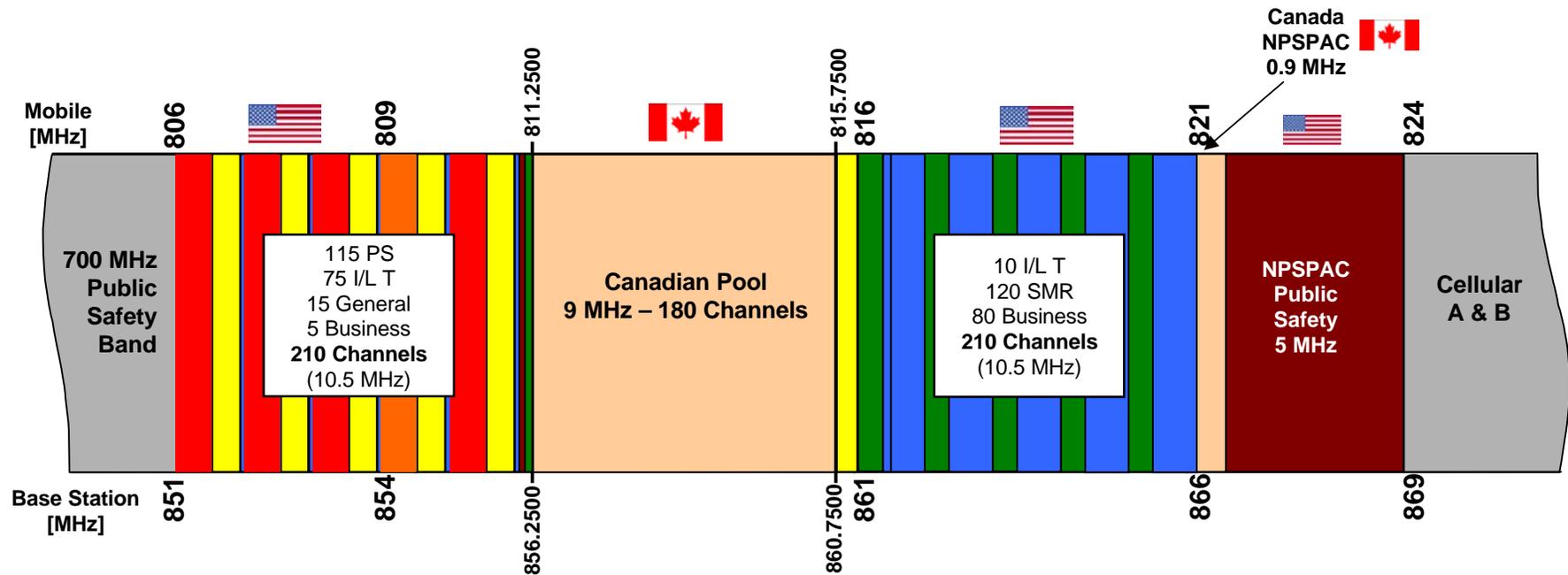
# Current Regional Alignment: Border Region 2, Border Buffer Region 7, and Non-Border Areas



# Proposed Regional Alignment: Border Region 2, Border Buffer Region 7, and Non-Border Areas



# Current Canadian Border Region 3 Band Plan



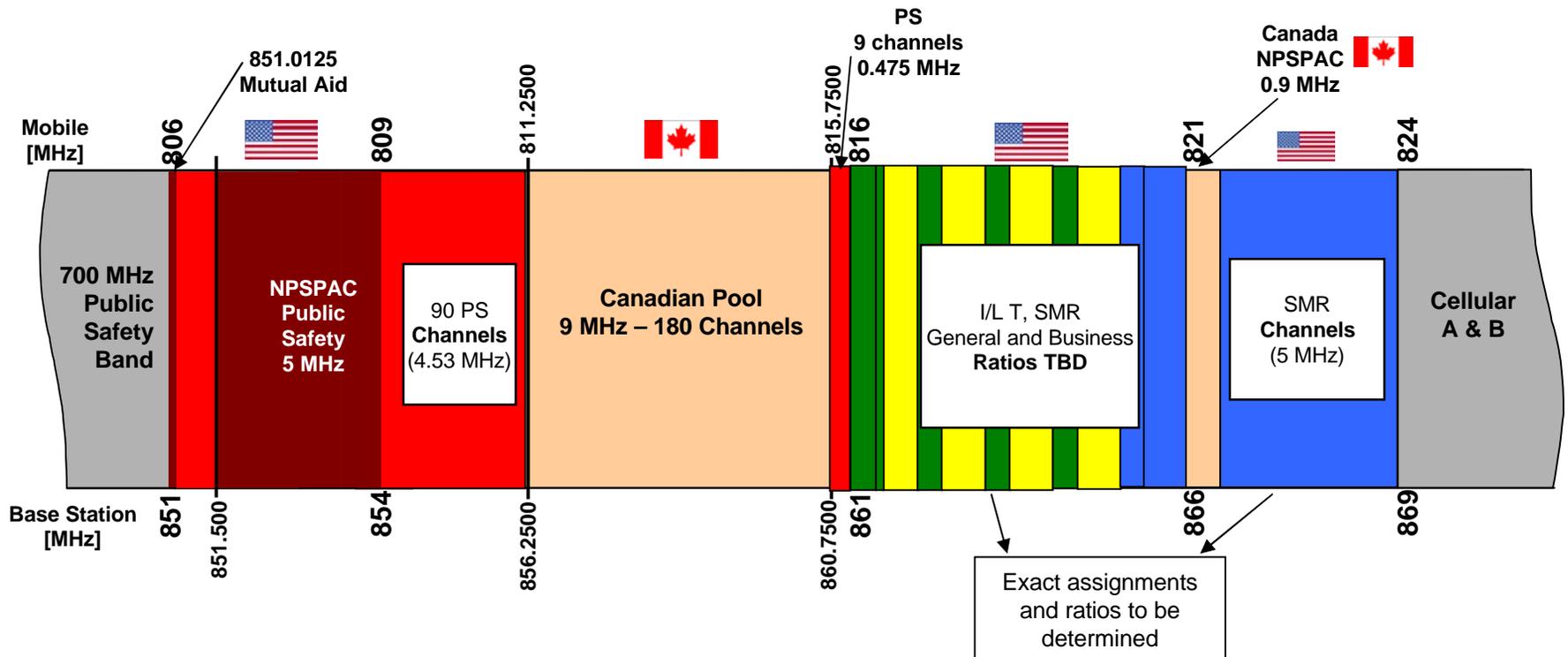
## US Frequency Pools

- Public Safety - NPSPAC
- Industrial/Land Transportation
- Business
- SMR/General

## Issues:

1. Most of US NPSPAC use is primary to the US.
2. 851.0125, proposed Mutual Aid Channel may already be in use by Public Safety

# Proposed Canada Region 3



## Notes:

- No US ESMR Secondary operation in the Canada Pool be allowed below 857.2625 or above 859.7625 to create guard bands for PS
- NPSPAC Mutual aid channels will mirror the rest of the country

## US Frequency Pools

