IBTTA Member Survey:
Proposed Reorganization of the Lower 900 MHz Band
Risks and Implications for Toll Operations and Systems

On April 16, 2024, a rulemaking petition was filed with the Federal Communications Commission (FCC) seeking to rearrange the lower 900 MHz band (902-928 MHz band). The petition was filed by NextNav, a company that provides next generation positioning, navigation, timing (PNT) and 3D geolocation. The company aims to reorganize the lower 900 MHz band to facilitate a terrestrial PNT network and broadband enhancements. The press release and FCC filing are available here: https://nextnav.com/lays-out-new-vision/

While NextNav seems to be avoiding direct conflict with the 915 MHz spectrum used today by toll operations throughout the U.S., IBTTA is seeing to learn about any implications or risks that members foresee to the toll industry's current operations and systems as a result of this action. Please complete the following survey to share your input.

1. Survey Respondent:

   First Name: _____

   Last Name: _____

   Organization: _____

   Email Adress: _____

   Telephone Number: _____

2. How would you categorize your organization?
   - Toll Operator
   - Toll Reader Manufacturer or Systems Supplier
   - Technical Consultant or Service Provider
   - Other (*Please Specify*): _____

3. How many tolling protocols are supported by your toll reader equipment?
   - Single Protocol Readers
   - Multi-Protocol Readers

4. What electronic tolling protocols are actively deployed and in use in your toll reader equipment? *(Please select all that apply.)*
   - E-ZPass Interagency Group (TDM)
   - 6C
   - SeGo
   - Other: (Please specify): _____

5. What specific frequency ranges are your readers tuned to operate within?.
   Please specify range of frequencies (Lowest to Highest) employed around 915 MHz.

6. Please provide any additional details of frequency use, such as up-link and down-link frequencies, if appropriate, and frequencies by protocol type.

7. Do you believe new commercial applications around the 915 MHz band present risks of interference to your current toll systems and applications?
    - Yes
    - No
    - Not sure.

Please indicate any details you can provide:

8. Do you currently have a routine schedule for reader tuning / retuning?
    - Yes
    - No
    - Not sure.

9. Do you believe new commercial applications in the lower 900 MHz band will require increased frequencies for toll reader tuning to ensure accurate performance?
    - Yes. If Yes, will this represent a significant additional operating cost? _____
    - No

10. Do you believe new commercial applications in the lower 900 MHz band may require upgrades to readers or software to more precisely restrict the bandwidth through which toll transactions are communicated?
    - Yes. If Yes, will this represent a significant additional capital cost? _____
    - No

11. Are you concerned about the implications of a single commercial entity having control of the lower 900 MHz portion of the band?.
    - Yes
    - No

12. Do the actions proposed in NextNav's FCC petition affect the competitive development of future transportation applications and services?
    - Distance-based road charging
    - Connected vehicle applications
    - Intelligent transportation system (ITS) enhancements
    - Others? (Please specify). _____

13. Please tell us about the business, policy ,and public benefit constraints you foresee related to the limited competitive availability of this portion spectrum in terms of research, development, and innovations for future transportation applications.

14. Are there any other issues you believe are important for IBTTA to consider as it weighs its response to this FCC petition? (please indicate).