emprata

THE CHALLENGE

As a result of legislation passed in Congress, the FCC conducted the world's first-ever "Incentive Auction," repurposing 84 MHz of TV Spectrum to meet the exploding demand for mobile broadband services. Emprata's role included data management and integration, geospatial processing and analysis, algorithm development, reporting, and the development of decision support tools to assist the FCC with visualizing key data.

FEDERAL COMMUNICATIONS COMMISSION (FCC)

OUR SOLUTION AND RESULTS

The auction was one of the most successful in FCC history, raising nearly $20 billion in revenue and contributing over $7 billion to reduce the federal deficit.

THE FRANZ EDELMAN AWARD
Achievement in Operations Research

As a vital part of the FCC's Incentive Auction analytics team, Emprata was awarded the 2018 *Franz Edelman Award*–the world's most prestigious award for contributions in operations research and advanced analytics.

Emprata's efforts in support of this project included the following:

- Designed a database architecture for the storage of TV interference data
- Performed geospatial data processing of billions of records of interference data from multiple data sources in order to quantify inter-service and intra-service interference
- Created a variety of custom reports and maps to view geographic interference
- Developed several interactive data dashboards to assist the FCC with visualizing, filtering, sorting, and searching data

GSA Contract Holder
Contract # GS-35F-490DA
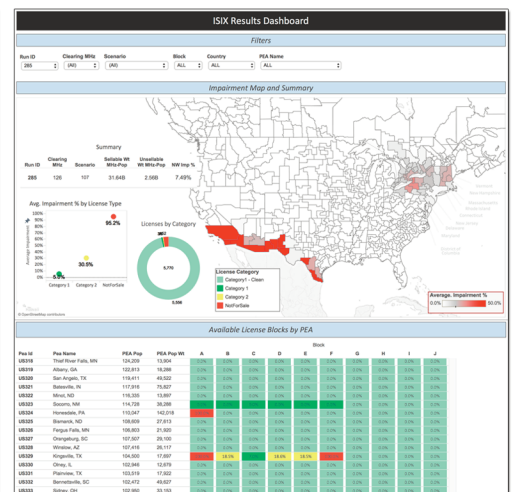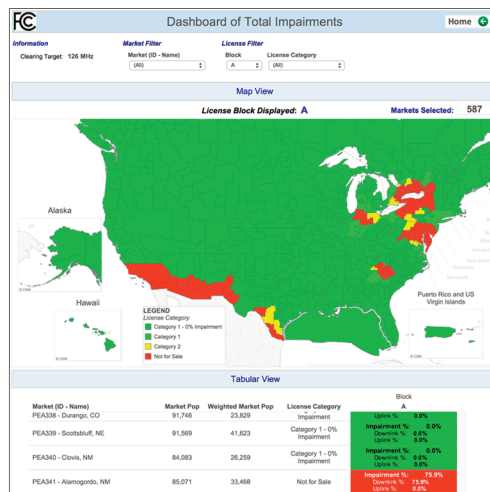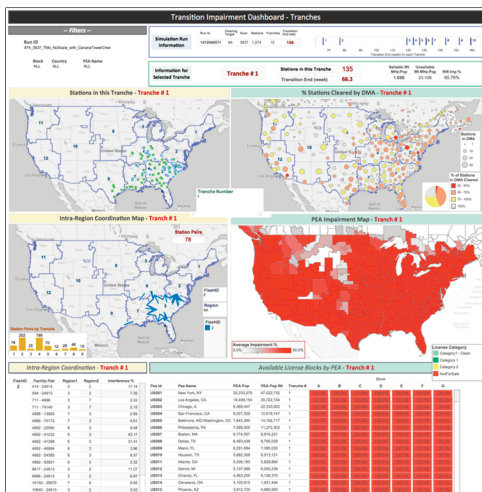
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A Certified Small Business
IT Services (GSA Schedule 70)
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