Development of Agency Strategic Spectrum Plans to support the President's Spectrum Management Initiative for the 21st Century

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Long-Range Spectrum Planning

Premise: Each Federal Agency now performs some sort of planning process to ensure that they can meet their functional missions.
• Some are more structured and some are more free wheeling

Premise: The starting point for this planning process is the Federal Agency Mission Statement. – This is a dynamic situation as missions evolve, become better defined, and better understood.

Premise: Unless an agency can identify future requirements for spectrum use, the spectrum, the regulatory and budgetary actions needed to support this mission based spectrum use, may not be available.

Premise: Changing Federal Agency Spectrum Management process to a Requirements based process rather than the present Frequency Assignment Process, is the goal of this project.

Main Factors which will drive Future Spectrum Needs

- New, Increased Agency Missions>
- New Technologies >
- New Services >
- New Applications>

Either adopted by Federal Agencies or adopted by Commercial entities: If the latter – the issue becomes how to ensure the integrity of Federal Spectrum use.

Taking a Step Back

- Let's look for the big influencers first.
- Let's look ahead a few years at the technologies, services and applications which we want to apply or which, if applied by the commercial world, would affect our spectrum use.
- Food for thought: Unlicensed devices: RFID, Tire Pressure Indicators, Wi-fi – Wi-Max.- Do we push them into channels or continue allowing for underlaying in Federal Bands?? What is the future government use of these unlicensed devices??

Assisting us in our Job

- We need inputs from Federal Agency folks who are working on future functional requirements, to help us define where we are going and what will be the effect on the spectrum: DOD- GIG, DHS – Interoperability., DOT – JPDO, et. al.
- We need inputs through the National Academy of Sciences, National Science Foundation and academia which will scour the landscape and provide us guidance on what to expect and what's realistic.