Bringing it all Together

An Economic Policy Perspective on Terrestrial Mobile Broadband and Spaceto-Earth GNSS Spectrum Management

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Repurposing is the future of spectrum policy

AWS-3 Auction repurposed government spectrum

DISH repurposed 40Mhz MSS spectrum

Secondary Markets for spectrum must further develop

Spectrum like land, is often "zoned" to uses

Interference concerns may arise in repurposings

Ligado seeks to convert satellite to terrestrial use via the ATC

Unlike DISH

Ligado faces substantial interference claims from GPS, Iridium, NOAA, etc.

§ 25.255

requires Ligado to address interference with existing license holders

§ 25.255

establishes the property right that permits market transactions

If Overall Market Value rises, then a deal can generally be struck

Ligado Value = V Incumbent Value = L Simple Nash Bargain is (V-L)/2

Failure is a market outcome (V<L)

Success requires creating more value than you destroy

Coercive

power of government may be sought to force a non-market outcome

Coordination

by government may be used to reach, not merely override, a market outcome

Problems

in such deals include, e.g., holdouts, entry deterrence, large numbers bargaining, social surplus disparities

Evidence and not assertions of "bad" behavior is required, and none yet provided

Social Surplus claims are dubious and dangerous, as comparison involves $(V+S_V)$ and $(L+S_T)$

A Sixth nationwide LTE network is a marginal, improbable event

Changing Rules for private benefits threatens the value of spectrum by reducing investment

Parties with large investments must be given greater weight in deliberations

Ligado's Woe

is an opportunity to affirm precedent, adding certainty, and improve understanding of processes

900 MHz

is an another opportunity to establish deal-friendly rules for repurposing

FCC

must establish procedures and processes that better facilitate deals and establish clear rules for its intervention

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