

The Role of Flexibility in Ensuring the Efficient Use of the Spectrum Resource by Exclusive Licensees

Incentives for More Efficient Use of the Radiofrequency Resource

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Overview of Discussion

- As communications services blur and services converge, allocation classifications make less sense.
- Question arises how to realize the highest and best use of spectrum - while protecting the rights of licensees?
- What protections must be afforded and how much flexibility is possible?



Need for Exclusive Licenses

- Interference concerns
- Financial stability (investor confidence)
- Regulatory certainty
- Ability to participate in secondary markets
- Regulatory flexibility



Evolution

- Traditional Model: Long Term Exclusive Licenses, with static technology, based on archaic, arbitrary radiofrequency allocations
 - Problems:
 - Lack of innovation
 - Inefficient use of spectrum resource
 - Inability to deploy services demanded by market (slow market response)
 - Outdated technical & service rules often impede ability to provide innovative services
 - Regulators make poor predictors of future technology and market choices



Evolution (cont'd)

- Interim Approach: Progressive regulators begin to recognize need for increased flexibility
 - Recognition spectrum being used inefficiently
 - need increased flexibility
 - Example is broadband radio service
 - Slow change at first
 - Begin to liberalize standards requirements
 - Technology neutrality appearing
 - Still a problem in some regions

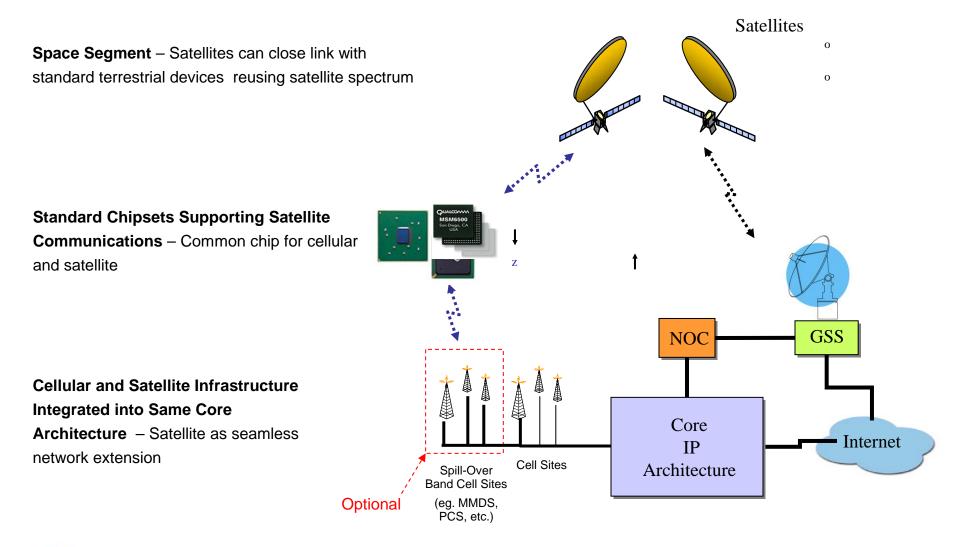


Evolution (cont'd)

- Flexibility Approach: Recognition that increased flexibility increases spectrum efficiency and innovation.
 - Allowing licensees to offer any type of service
 - movement away from archaic allocations and strict usage requirements
 - Example is ATC
 - Increased use of secondary markets
 - Flexibility allows highest and best use of spectrum; use to evolve to market demands, and technological innovation.



Integrated Satellite-Terrestrial Network





Where To Go From Here?

- Do changes in technology and societal needs mean the end to archaic radiofrequency allocations?
- If so, how do you address outstanding concerns, seen as interference?

