

Silicon Flatirons Telecommunications Program
"New Directions in Wireless Policy"
University of Colorado at Boulder

October 30, 2002

Michael Powell
Chairman, Federal Communications Commission

www.fcc.gov





Broadband Migration

New Directions in Wireless Policy



Digital Broadband
Migration

Spectrum Policy

Broadband

Security

Competition

Media

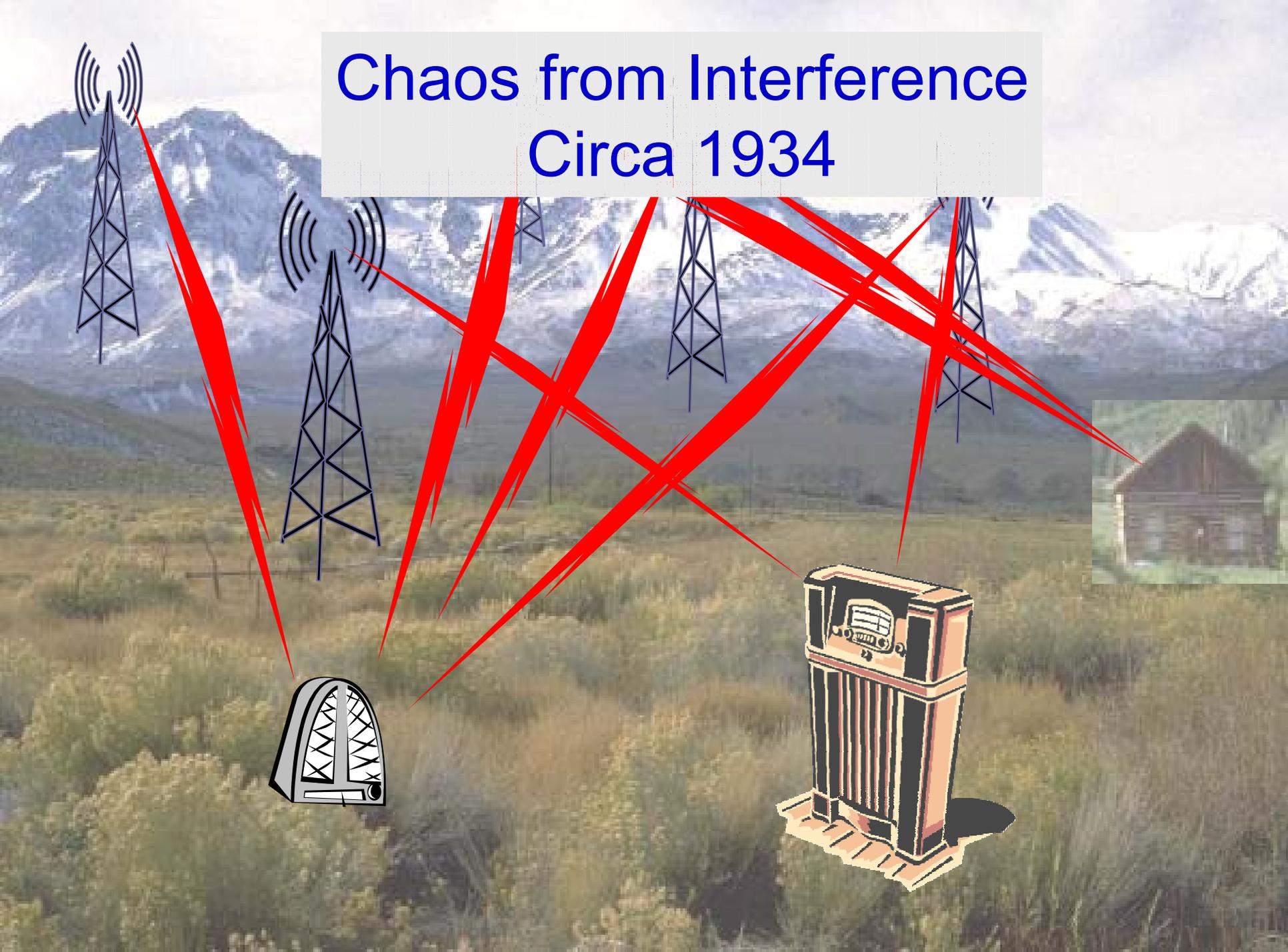
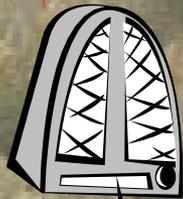
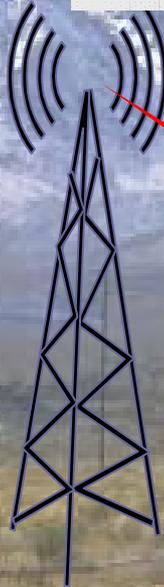


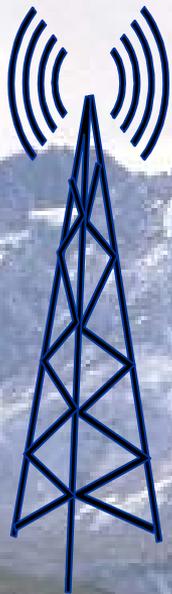
Historic Spectrum Policy Assumptions

- Unregulated radio interference will lead to chaos
- Spectrum is scarce
- Government “command and control” is the only way to avoid chaos; and
- The “public interest” centered on service providers use rather than consumers

Chaos from Interference

Circa 1934





Transmitters

**Where to Look for
the Source of RF
Interference?**

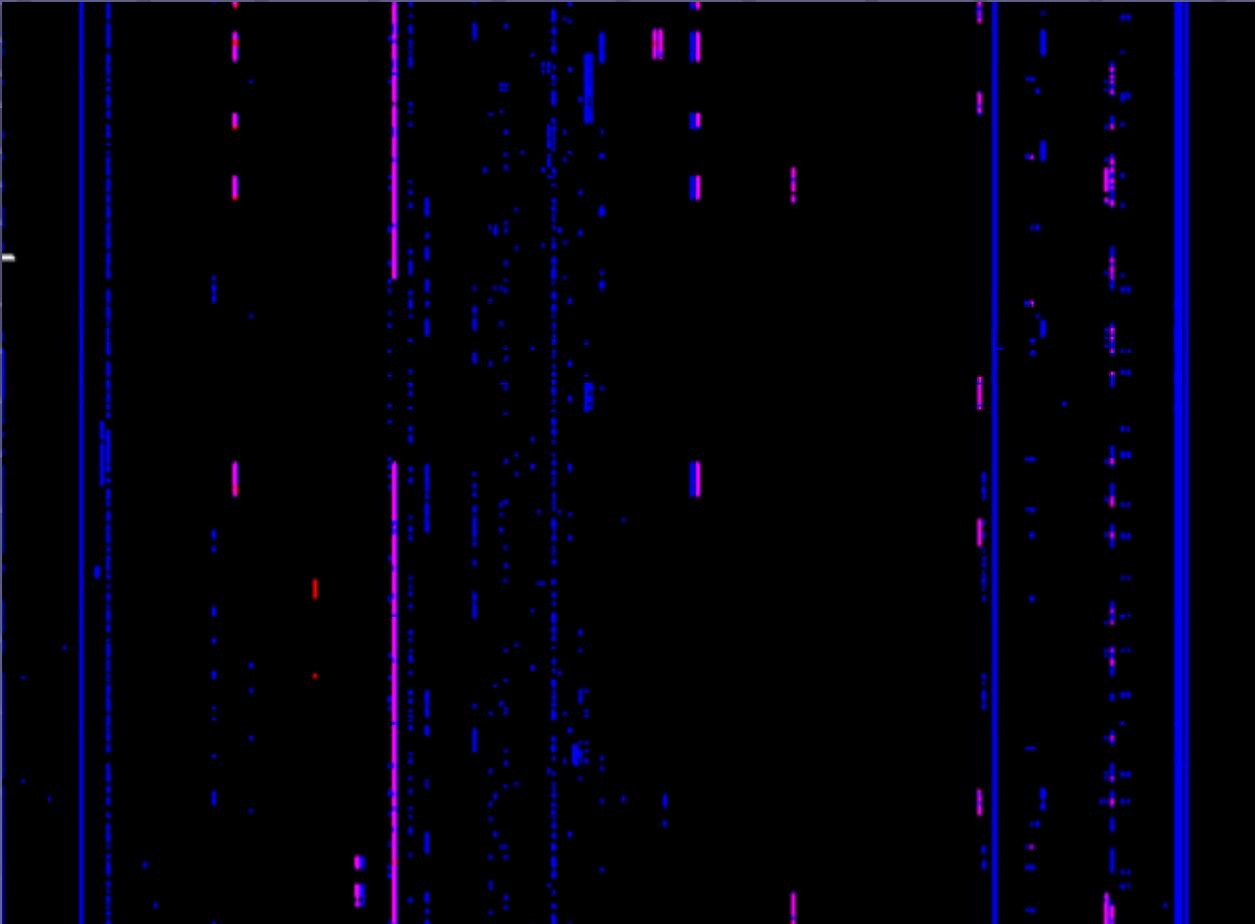
Transmitters & Receivers



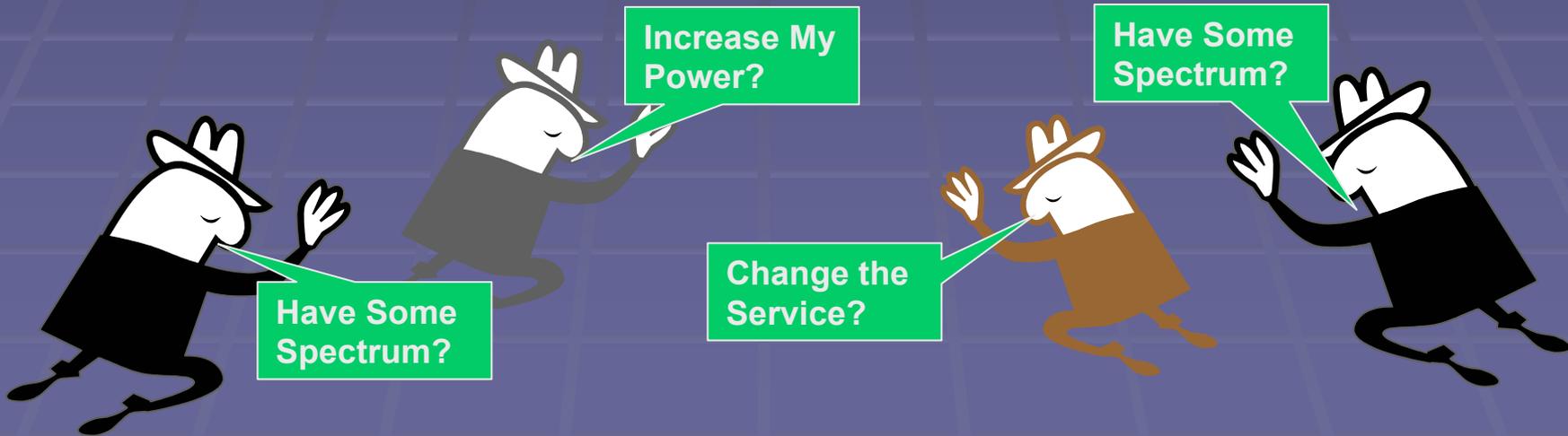
Spectrum Scarcity?



Spectrum Access?



Oh, FCC May I ...





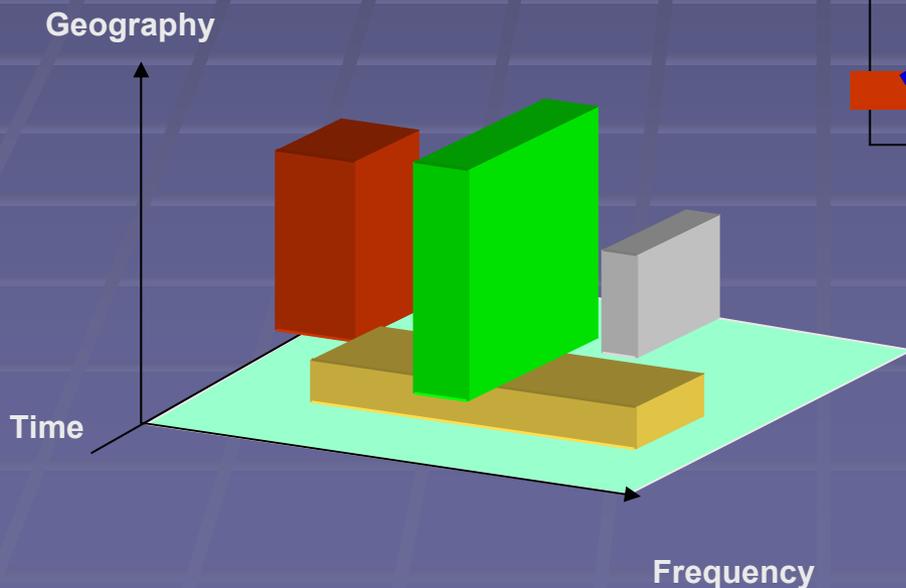
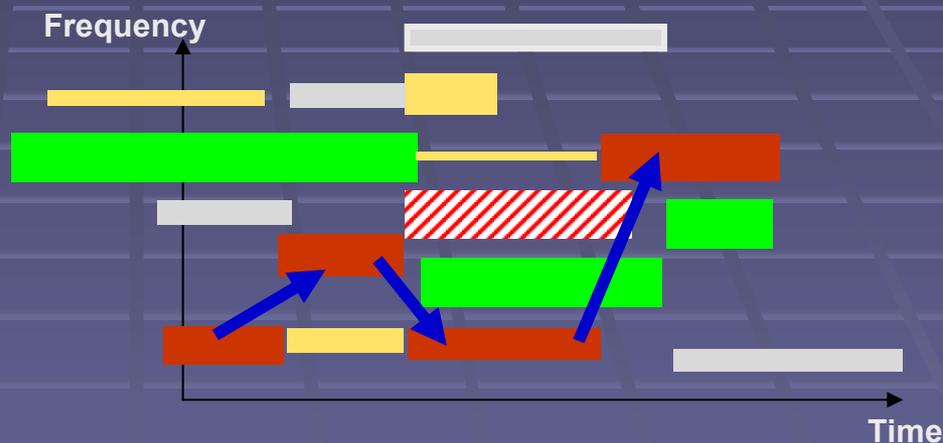
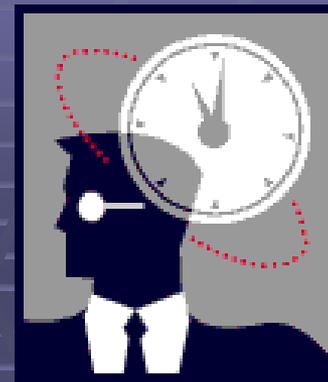
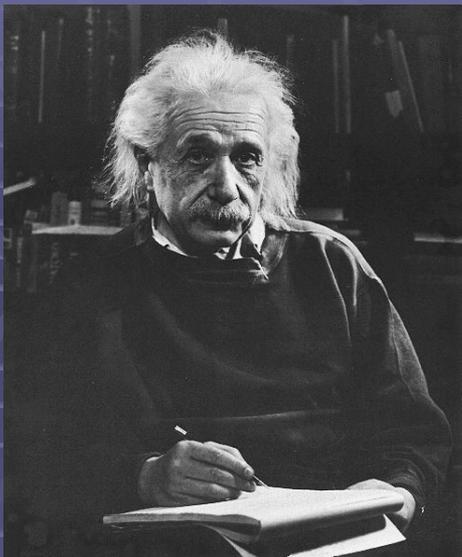
Spectrum Policy Task Force



Adapt to the Environment: Interference Temperature

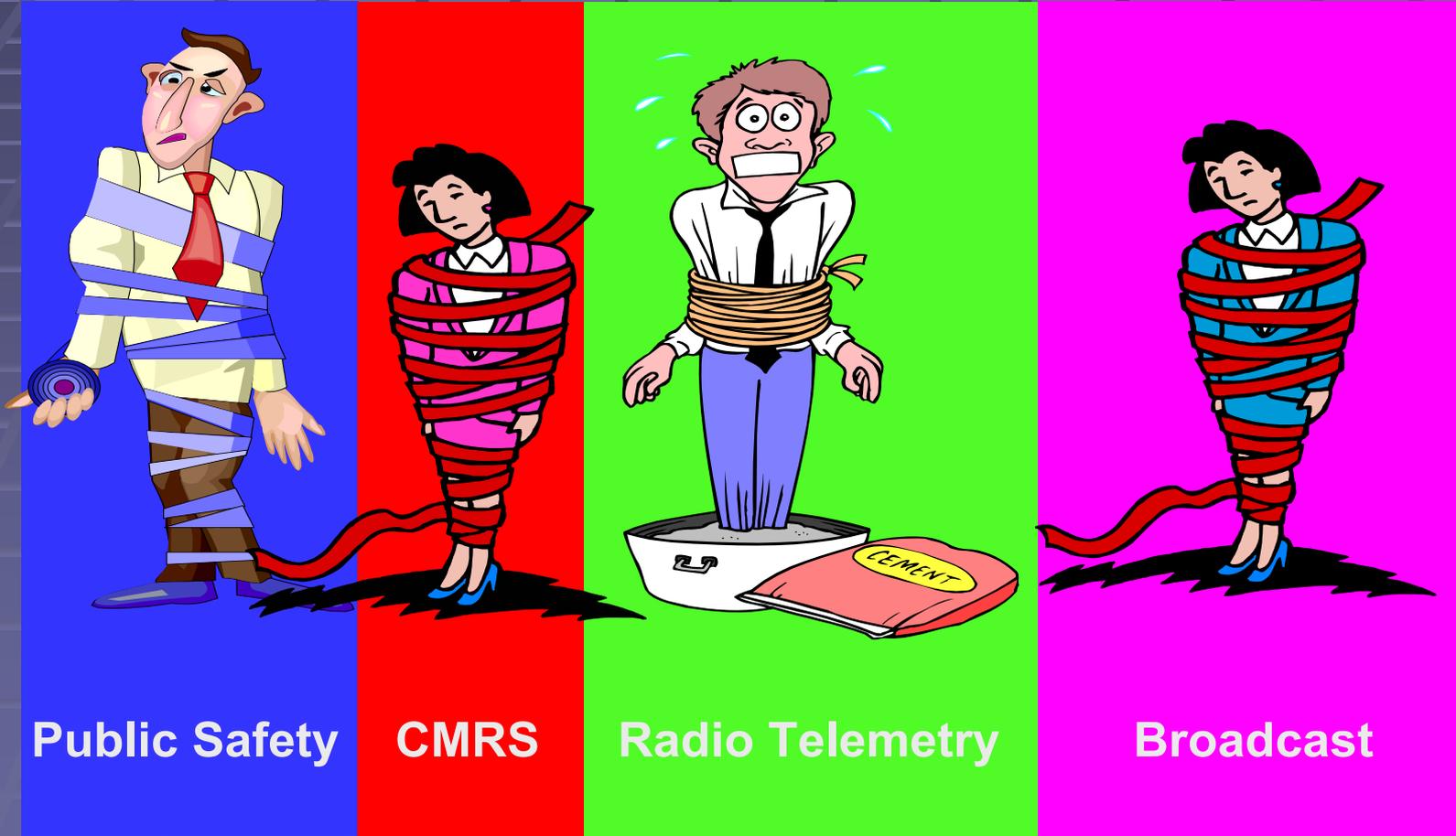


The Time Dimension!



Tune for Daylight

Restrictive Use



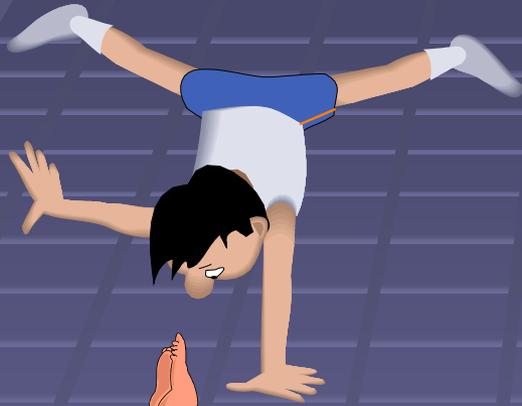
Public Safety

CMRS

Radio Telemetry

Broadcast

Flexibility!



The Public Interest



Provider-Centric



Consumer-Centric

The Public Interest



Provider-Centric



Consumer-Centric

Spectrum Policy Action Plan

- Direct the Task Force to produce its report for public release
- Initiate a dialog with Members of Congress on what legislative steps will assist in developing a more effective spectrum policy approach for the benefit of consumers
- Explore ways in which the interference temperature concept, increased spectrum access, and more flexible rights may enhance the public interest
- Strive to make more spectrum available for licensed and unlicensed use
- Recommend that the Commission at its December meeting initiate a Notice of Inquiry that builds on the Task Force's Work



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Thank you!