

New Satellite Technologies come to market faster than Regulators can respond



Increased Demand

**New uses
(internet, mobility,
personal devices)**

Increased Supply

New orbits

**Reduced Launch
costs**

**Assembly-line
satellite production**

Regulators have options to respond to the disruption



- Some “pull” (or encourage pro-active good behaviour by the operator)
- Some “push” (or prevent/punish bad behaviour by the operator)

• The “best practices” are **prescriptive** and focus on desired outcomes (good quality of service, low prices, lots of options) rather than **proscriptive** and focused on defining specific things that are allowed/not allowed

- Customs
- Policy
- Standards
- Guidelines
- Norms
- Agreements
- Policy Directives
- Private contracts
- Treaties
- Regulations
- Laws

Satellite Operators face multiple Regulatory issues (both as telecom operators, and as space objects)

- **Spectrum allocations**
 - Global Harmonization vital
 - National licensing difficult
- **Sustainability of outer space (pollution)**
 - Debris
 - astronomy
- **Situational awareness (traffic)**
 - Overlapping orbits
 - Collision avoidance
 - Traffic management vs control
- **Liability/Insurance/Indemnity**
 - Indemnify your state
 - Hold insurance for launch & in-orbit operations