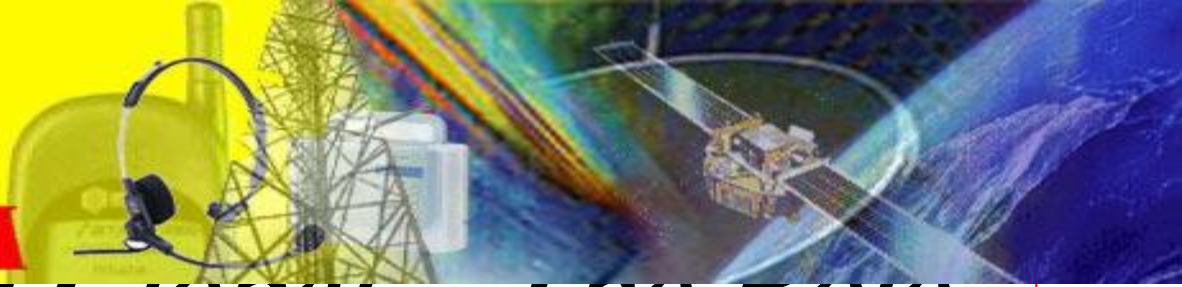




INCM



*Local and Global – The Role
of the Regulator in
facilitating Research and
Education Networking*

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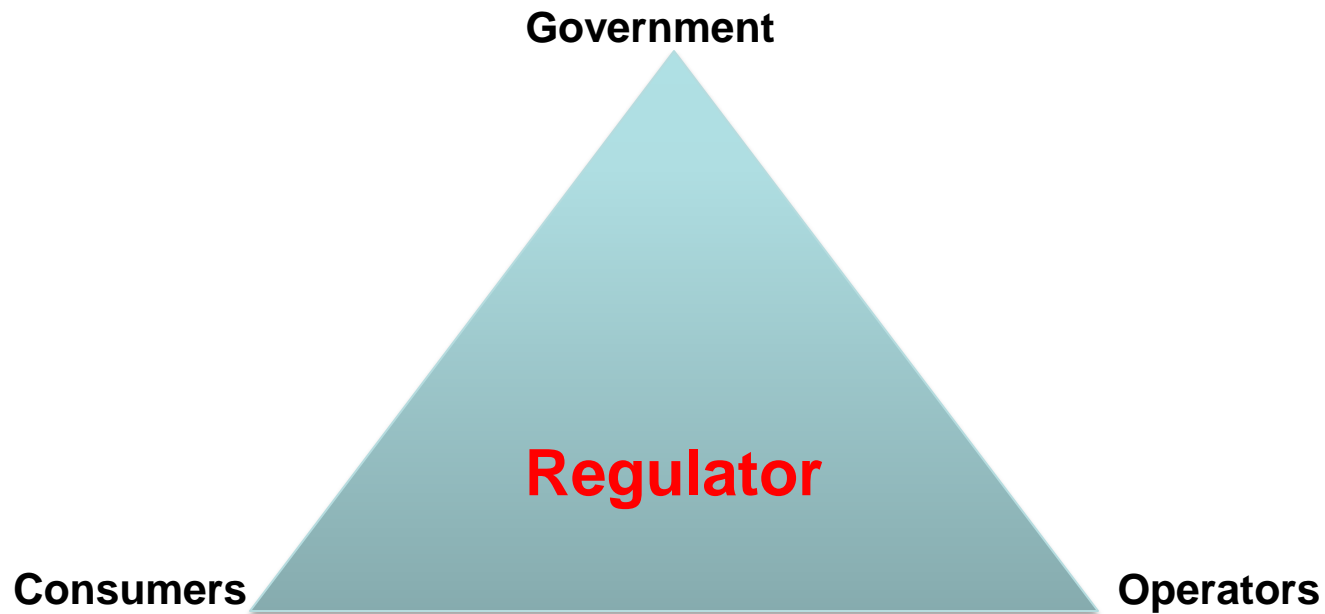
10 de December 2010



My Talk Will Cover...

- ❖ Why do we need a regulator?
- ❖ Role of Regulators in Facilitating R&E networking.
- ❖ What can regulators do?
- ❖ How they can do?

Regulators





Why Do We Need Regulators?

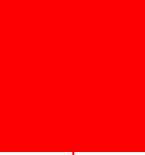
- 1. To Create Competitive Market Structure (Liberalization);**
- 2. To Promote Competition;**
 - ❖ as a way to achieve efficient and innovative production and supply of products that meet consumers' demands at the lowest possible cost.
- 3. To Ensure Control Over Excessive Pricing due to Incumbent Market Power;**
- 4. To Ensure Control Over Access to Essential Facilities;**

We need regulators only if the market forces are unable to self regulate the market. Regulation needs to be demonstrably better than market forces. Otherwise there is no need for regulation or if a regulation is in place it should be removed.



Role of Regulators in Facilitating R&E Networking

- ❖ R&E Networking require infrastructure;
- ❖ In Developing Countries such infrastructure either it doesn't exist or is expensive;
- ❖ Existing regulation has been developed for traditional fixed and mobile operators;
- ❖ Existing regulation may not allow:
 - ❖ R&E institutions from building their networks nationally;
 - ❖ The R&E network provider to service the R&E institutions;
 - ❖ The R&E network provider to send traffic to outside of the country;



Regulators should do

- ❖ Create the conditions for the networks that can support the needs of R&E community;
- ❖ Create conditions for the market to offer affordable prices;
- ❖ If necessary the regulation should provide a special treatment for R&E;
- ❖ Allow R&E to set up and carry out experiments that normally could not be allowed to a non-academic or research institutions;
- ❖ Enable R&E institutions to transit or peer internationally.



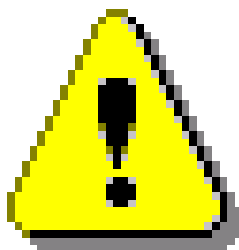
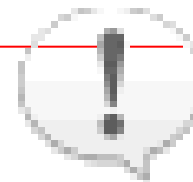
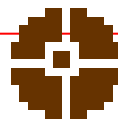
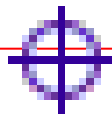
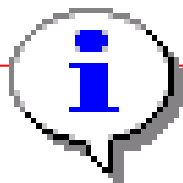
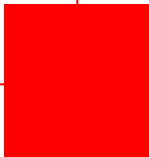
How To Do This?

- ❖ Combine infrastructure projects to rapidly deploy fiber networks;
- ❖ Provide the incentives to R&E to deploy their own infrastructures by giving authorization to setup their own networks or access to ROW to lay down the fiber;
- ❖ Work with operators to bring prices down for this specific community;
- ❖ Create regulation that can enable sharing of infrastructures.



How To Do This?

- ❖ Regulators can fund specific projects that address infrastructure development;
- ❖ Regulators can support capacity building programs;



Thank You!

