

IAEA Scientific Forum 2007

Global Challenges and the Development of Atomic Energy: The next 25 years



Session 3:

Global Safety and Security Regime: Building Robust Safety and Security Infrastructures

Moderator : Jamshed Azim Hashmi
Pakistan Nuclear Regulatory Authority

19 September 2007

Vienna



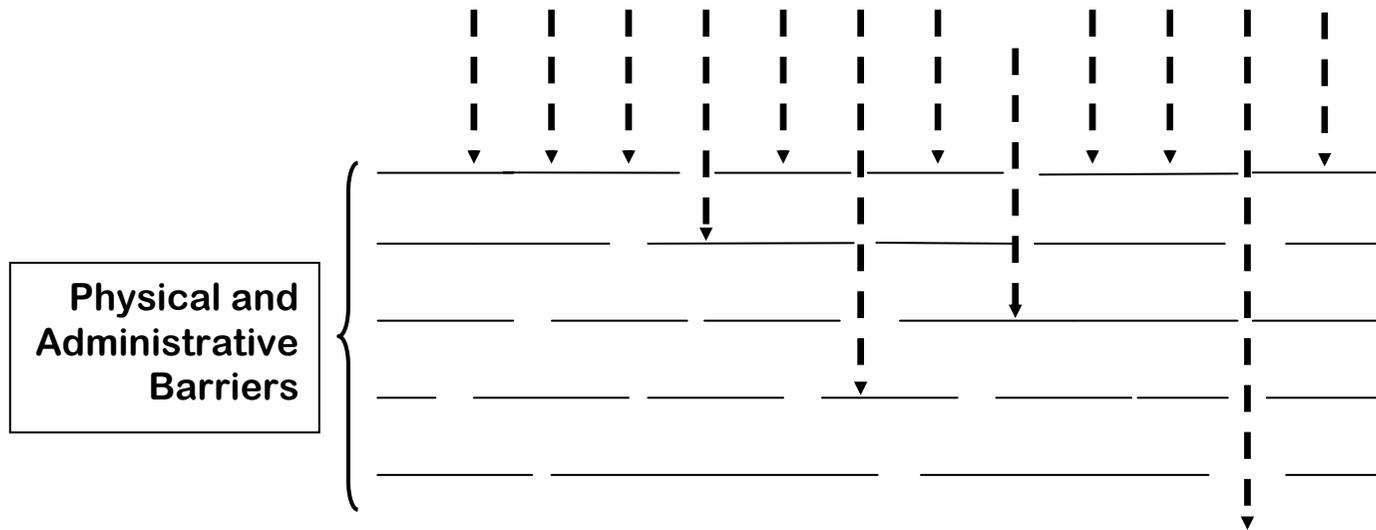
Objectives of a Robust Safety/Security Infrastructure

- **Protect the Public**
- **Protect the Investment**
- **Protect the Nation**



A Weak Infrastructure

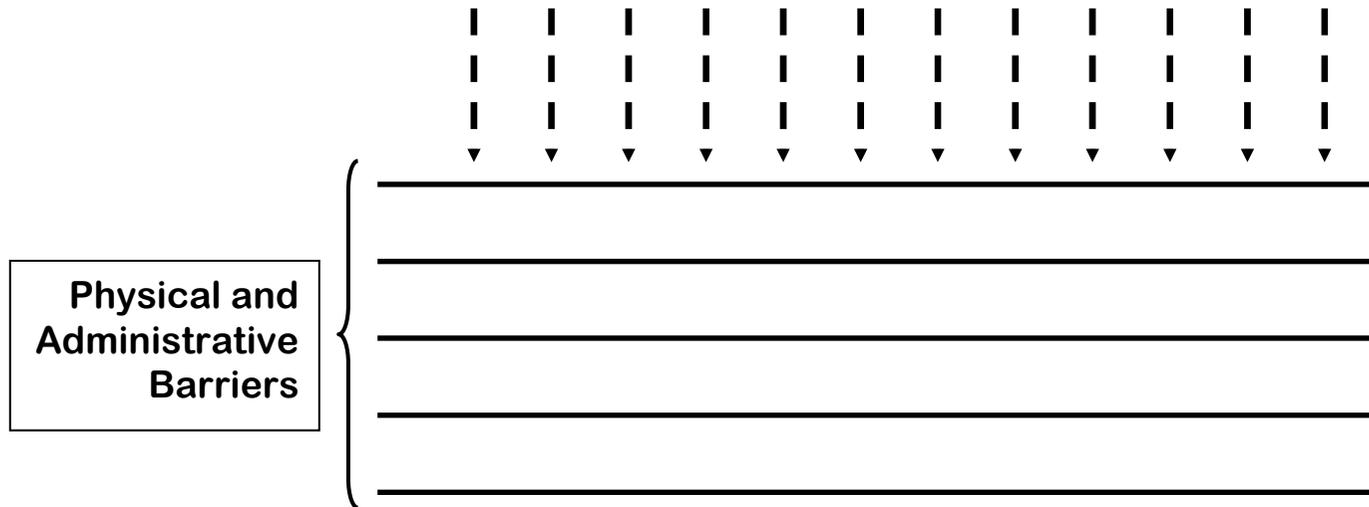
Challenges to the Barriers





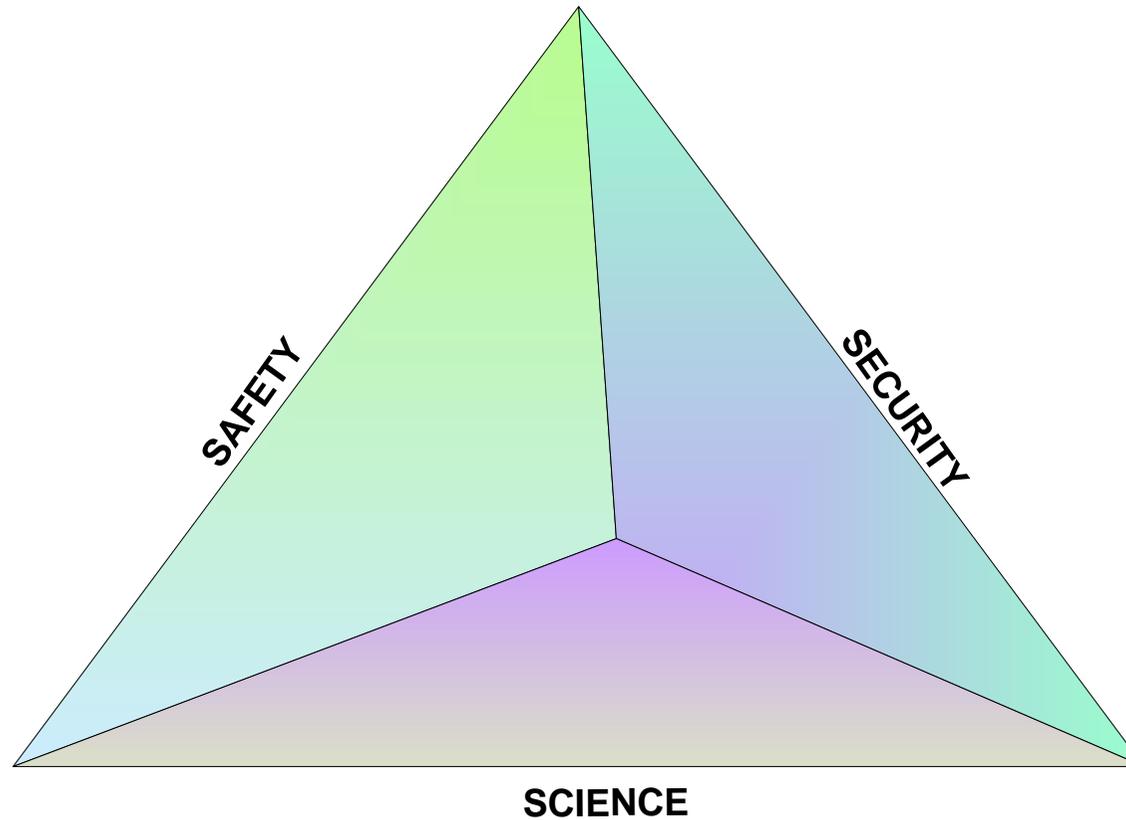
A Robust Infrastructure

Challenges to the Barriers





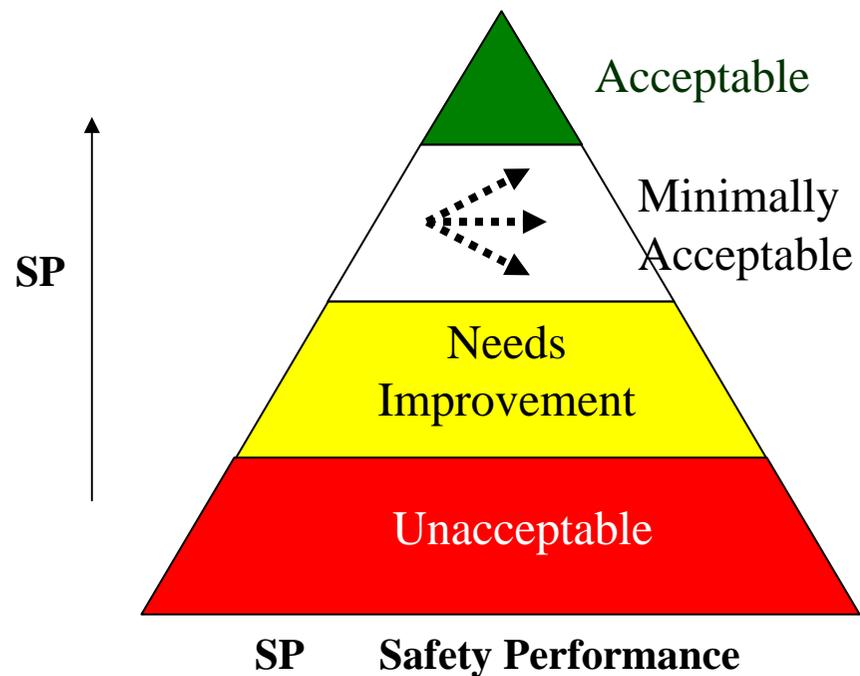
A Robust Infrastructure (Contd.)



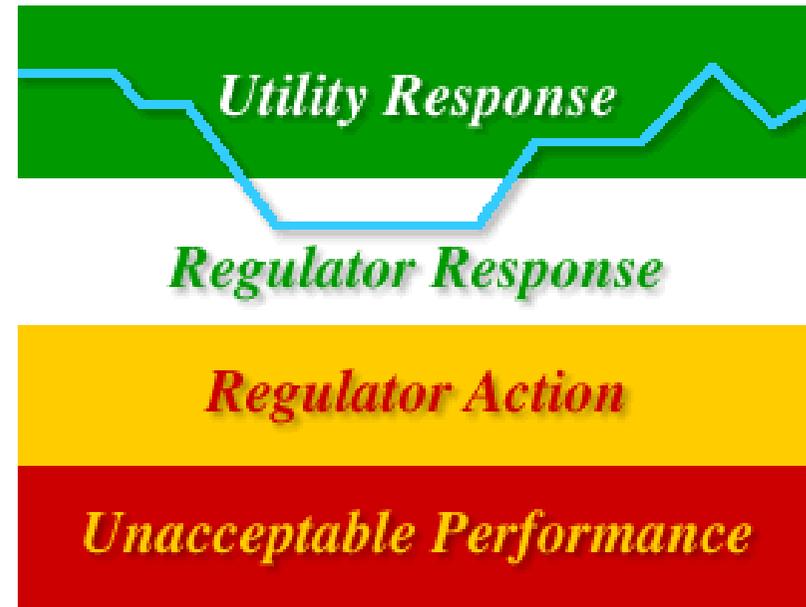
Peace Triangle



To Ensure Robustness of Infrastructure



- Improving Safety Performance
- Static
- Declining Safety Performance



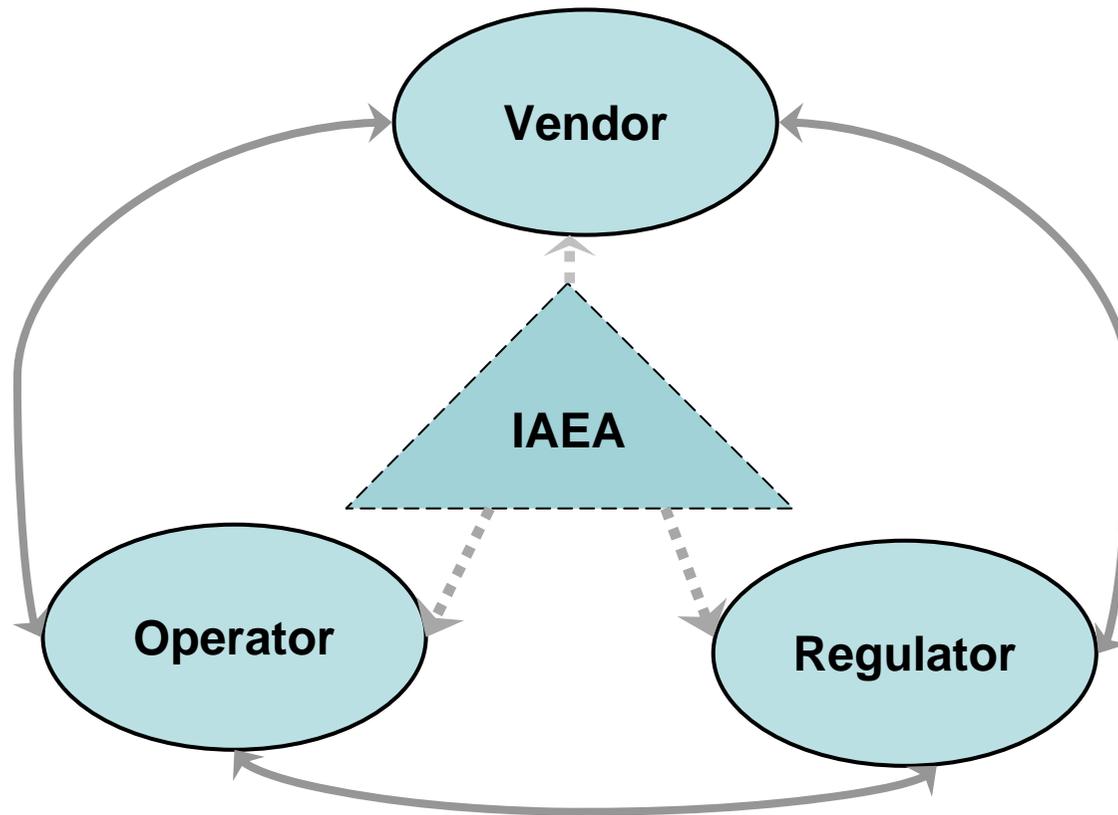


Global Harmonization of Performance

<p>Ensures acceptable level of safety being maintained by licensees</p>	<p>Appropriate actions taken to prevent degradation of safety and to promote safety improvements</p>	<p>Performs its functions in a timely and cost effective manner</p>	<p>Performs its functions in a manner that ensures the confidence of the operating organisation</p>
<p>Ensures regulations and procedures in position and understood by licensee</p>	<p>Takes appropriate steps for human resource development and has competent and certified regulatory staff</p>	<p>Ensures that a well-established quality management system exists</p>	<p>Performs its functions in a manner that ensures the confidence of the general public</p>
<p>Strives for continuous improvement of its performance</p>	<p>Ensures that adequate legal provisions exist for enforcement i.e. dealing with non-compliance or license violations</p>	<p>Ensures that adequate resources available for performing its functions and Technical Support Centre(s) available for specialist assistance when required</p>	<p>Performs its functions in a manner that ensures the confidence of the government</p>



How to Achieve?



Flow of Knowledge between Operator, Regulator and Vendor