Public Private Partnerships in Cyber Security – Indian Perspective

ITU BDT study group meeting

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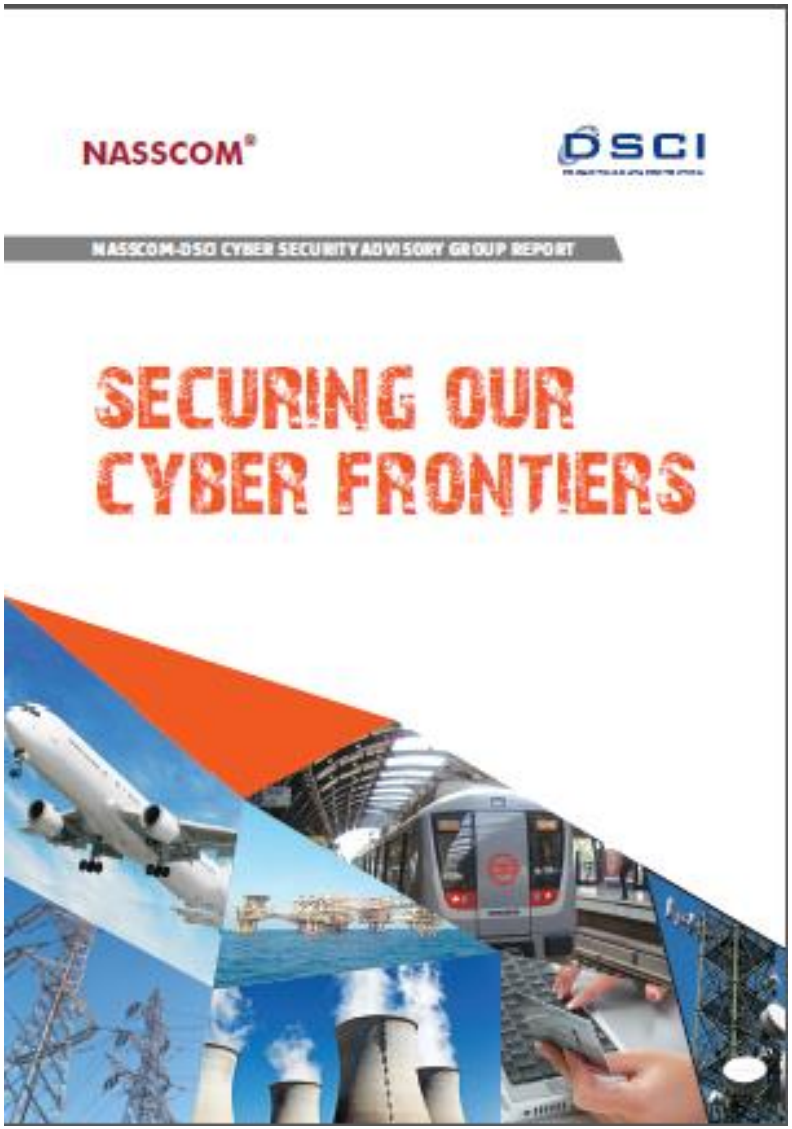
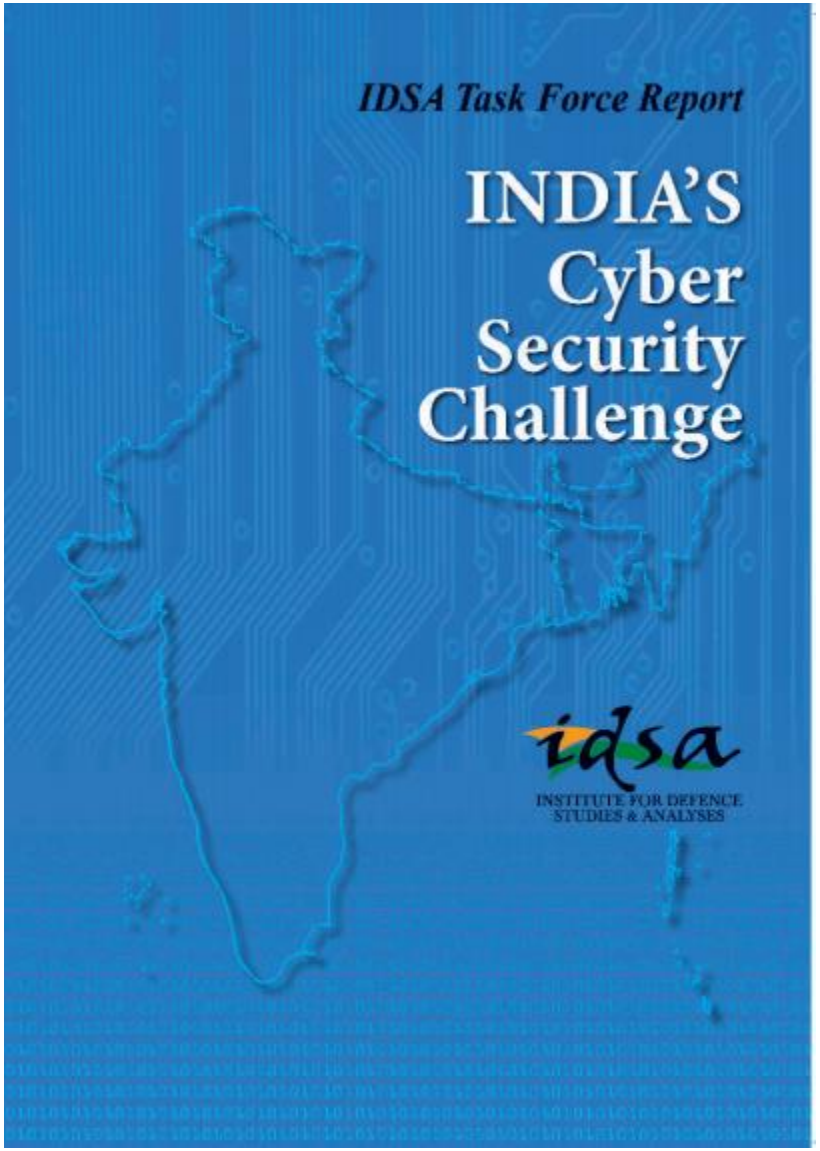
Why PPP in Cyber Security

"*The **enormous potential for damage** has made cyber security a major concern. There is no question that **both the government and private sector need each other**. The unique nature of this collaboration is because of the unique nature of the domain, and we need to develop the **habit of working together that hasn't existed in the past** "*

Mr. Shiv Shankar Menon, Former NSA, GoI

Placing PPP in the Cyber Security Ecosystem





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Policy Drivers for PPPs

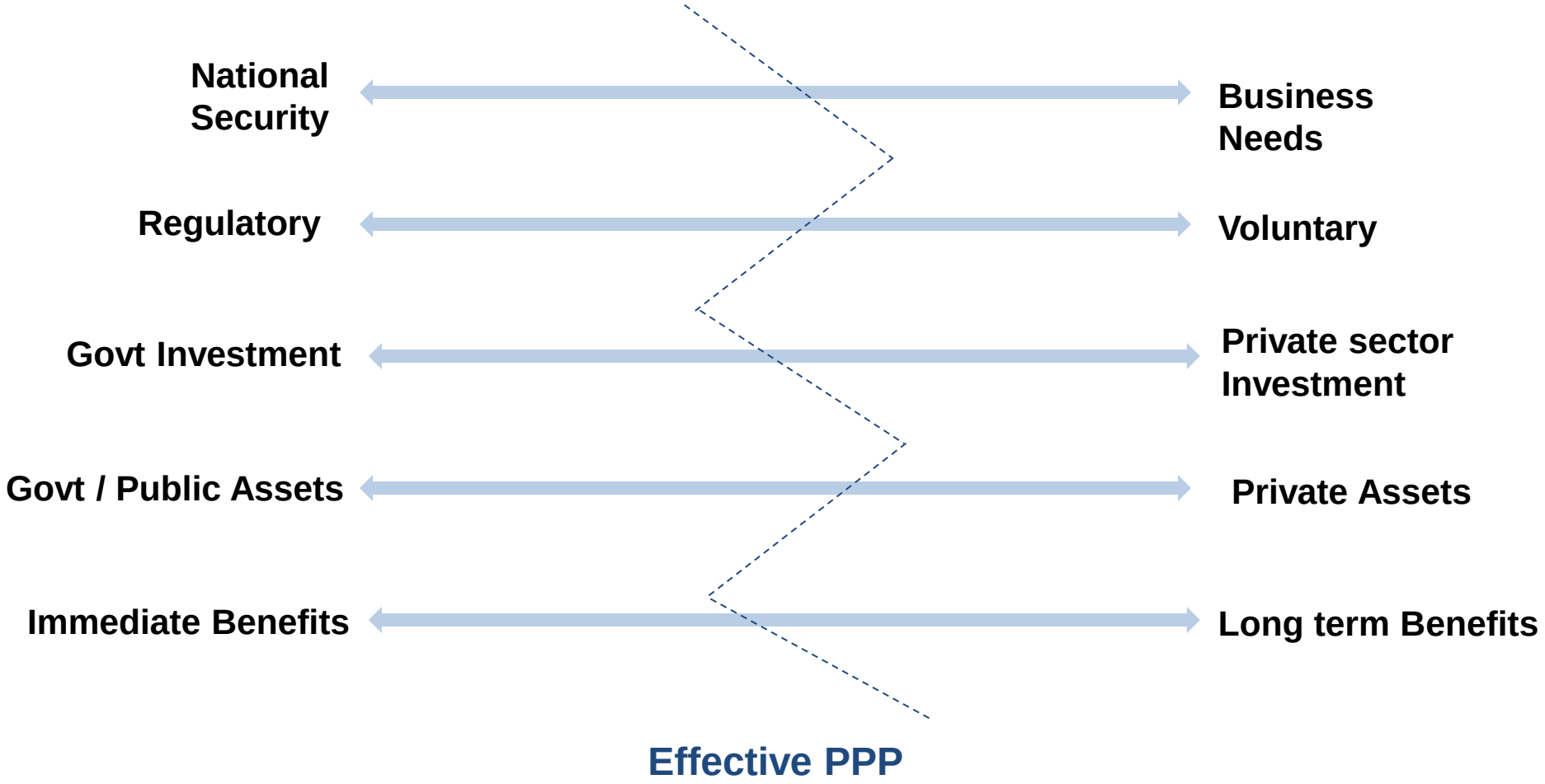
NCSP – Developing effective PPPs

- Facilitate **coordination & collaboration** in general & for protection of CII in particular
- Develop **models**
- Create a **think tank** on policy

JWG Report on Engagement with Private Sector on Cyber Security

- **Guiding Principles & Objectives** – institutional mechanisms, identify bodies & areas, compliance through policy & legal framework, joint R&D and India as a global hub
- **Roadmap** for PPP:
  - **Institutional framework** (JWG, JCICA, ISACs)
  - **Capacity Building** – capacity building / competency framework, CoEs, Awareness campaigns, training facilities for LEAs, funding of R&D
  - **Security Standards & Audits** – baseline and enhanced standards, standards for acquisition of IT, CPP development, Institute of Cyber Security Professionals of India
  - **Testing & Certification** - National Testing and Certification Schemes, capacity development, private owned testing labs accredited by GoI

Finding the 'Sweet Spots' for Effective PPP



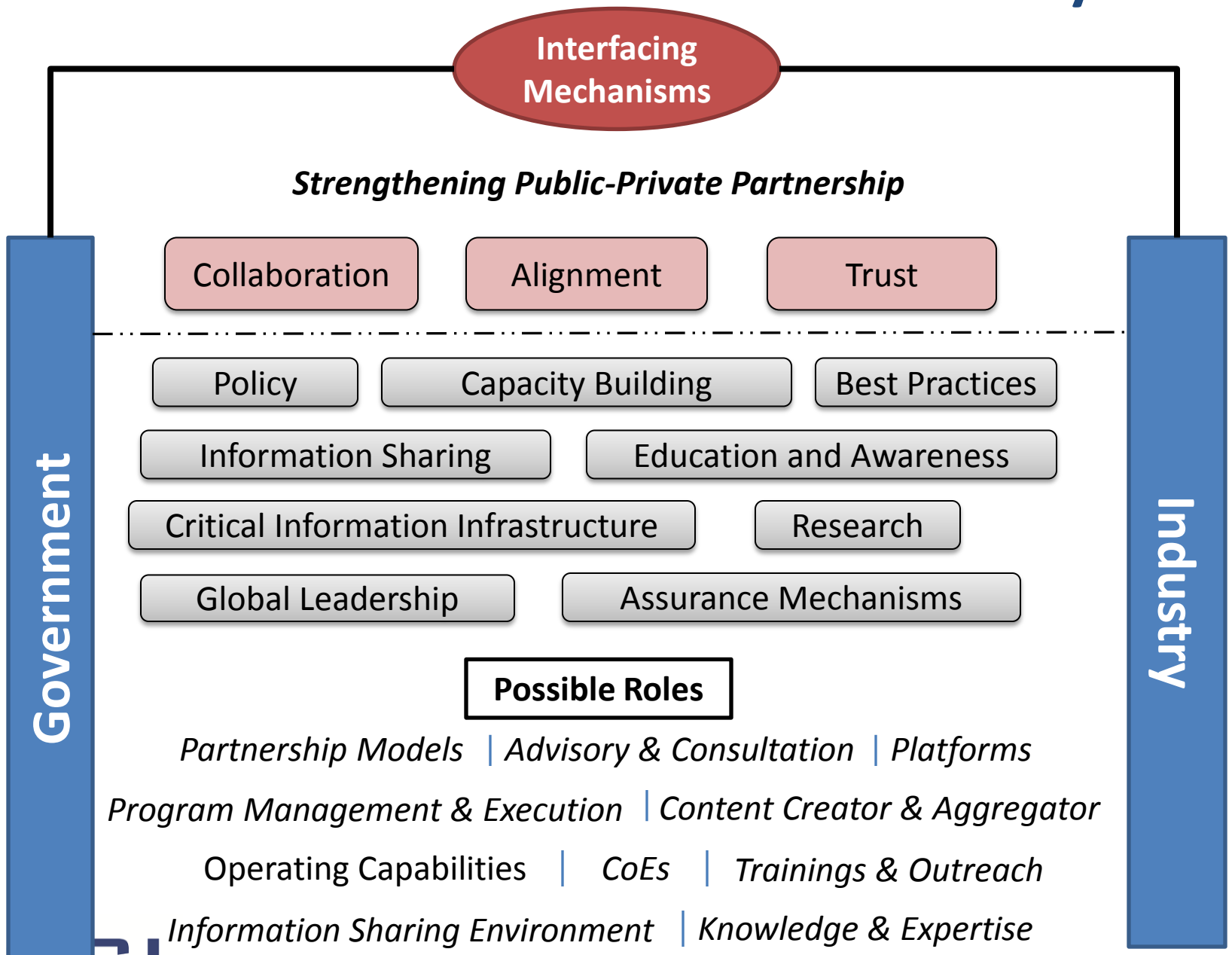
Existing PPP Initiatives

	Institutions / Committees	Initiatives / Programs
Policy Development/Advisory	JWG, JCICA, DSCI	
Information Sharing	IB-CART	
Incident Response		Mock Drills
Capacity Building	NSDC-SSC	DSCI Cyber Labs, Workshops for LEAs
R&D		
Standards & Guidelines	LITD, DSCI, TSDSI	MHA NISPG, NTRO Guidelines for protection of CII
Awareness		Cyber Security Awareness project, ISEA programs

Key Considerations, Issues and Difficulties

- Understanding of **roles & responsibilities** in the PPP context – finding the 'sweet spots'
- Building **trust** takes time
- **Inclusion** of all the relevant stakeholders; **Scaling up** for wider scope
- Availability and provisioning of **resources** – who will **invest**? **Ownership**?
- Focus on activities than **results** – only outputs no outcomes !
- Establishment of **governance mechanisms and accountability** – all stakeholders do not necessarily have similar interests !
- Appreciating **value** when benefits are not tangible and / or long term basis
- Keeping **engaged** – patience and perseverance required in benefit realization

PPP and Role of 'Not-for-Profits' – Case Study DSCI



Thank You