

# Public Private Partnerships in Cyber Security – Indian Perspective

## NIST Standards in Trade Workshop with India

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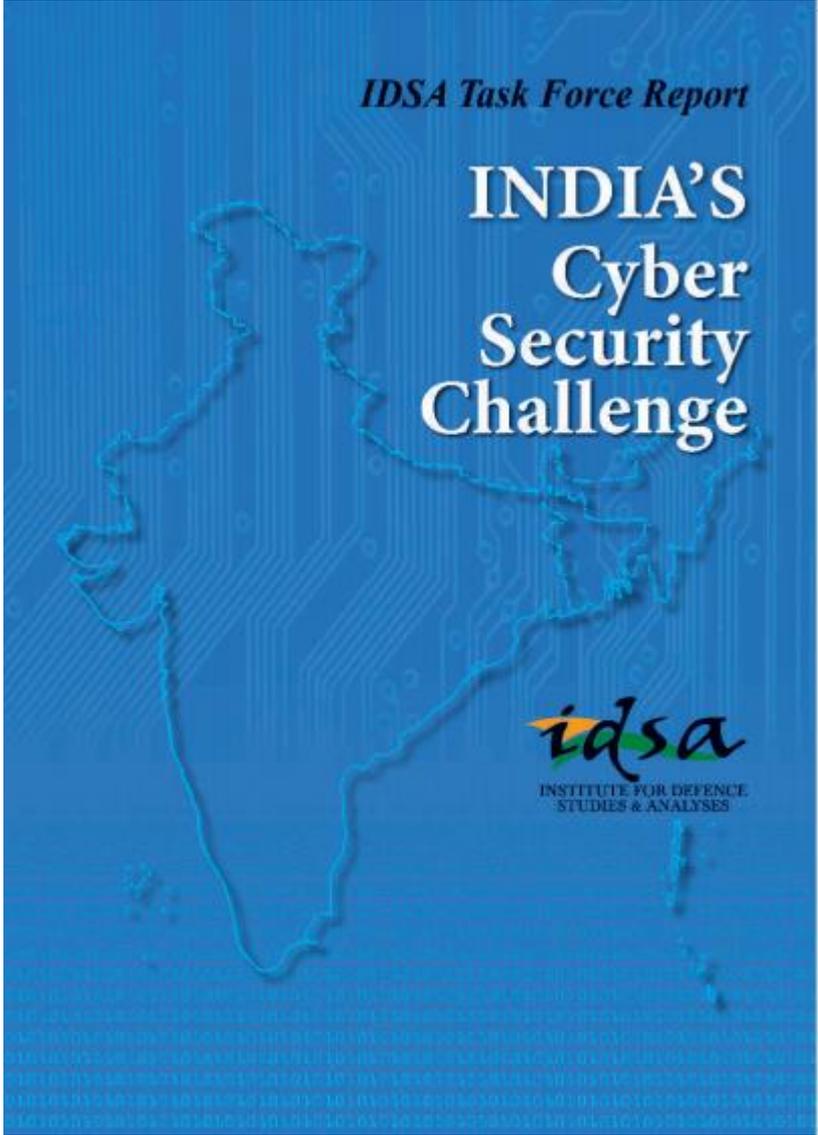
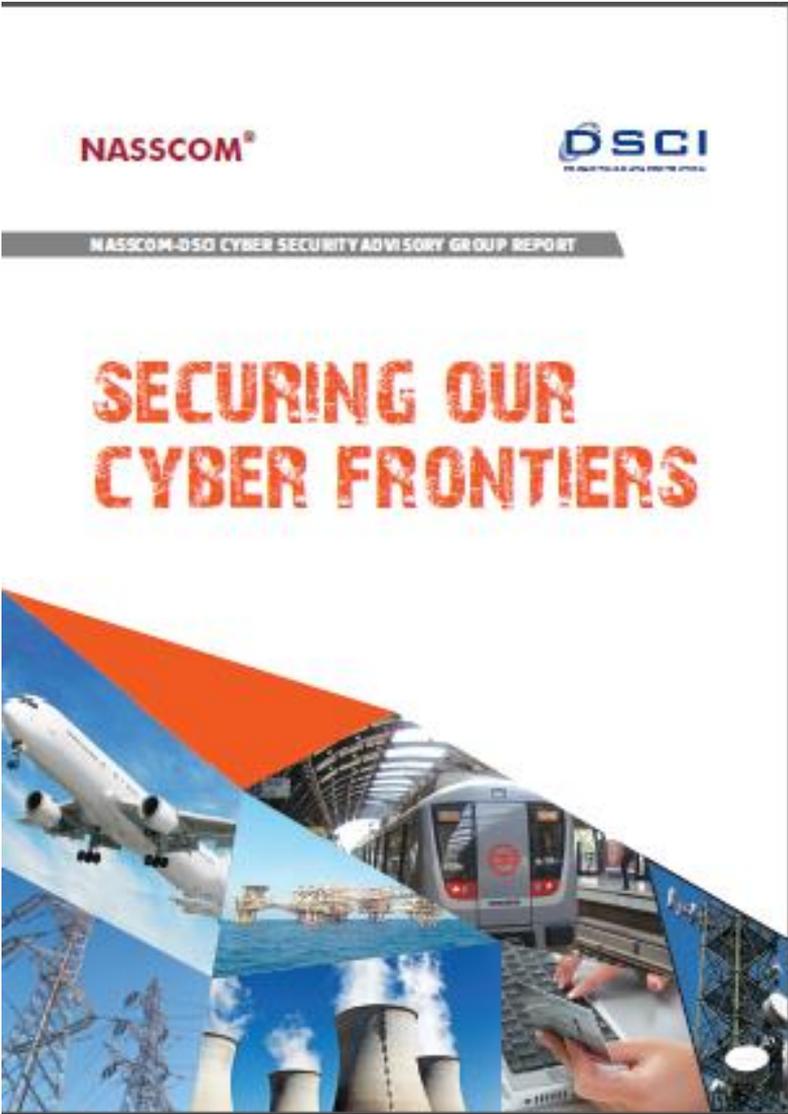
10:00 am to 11:30 am

# 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



# Policy Drivers for PPPs

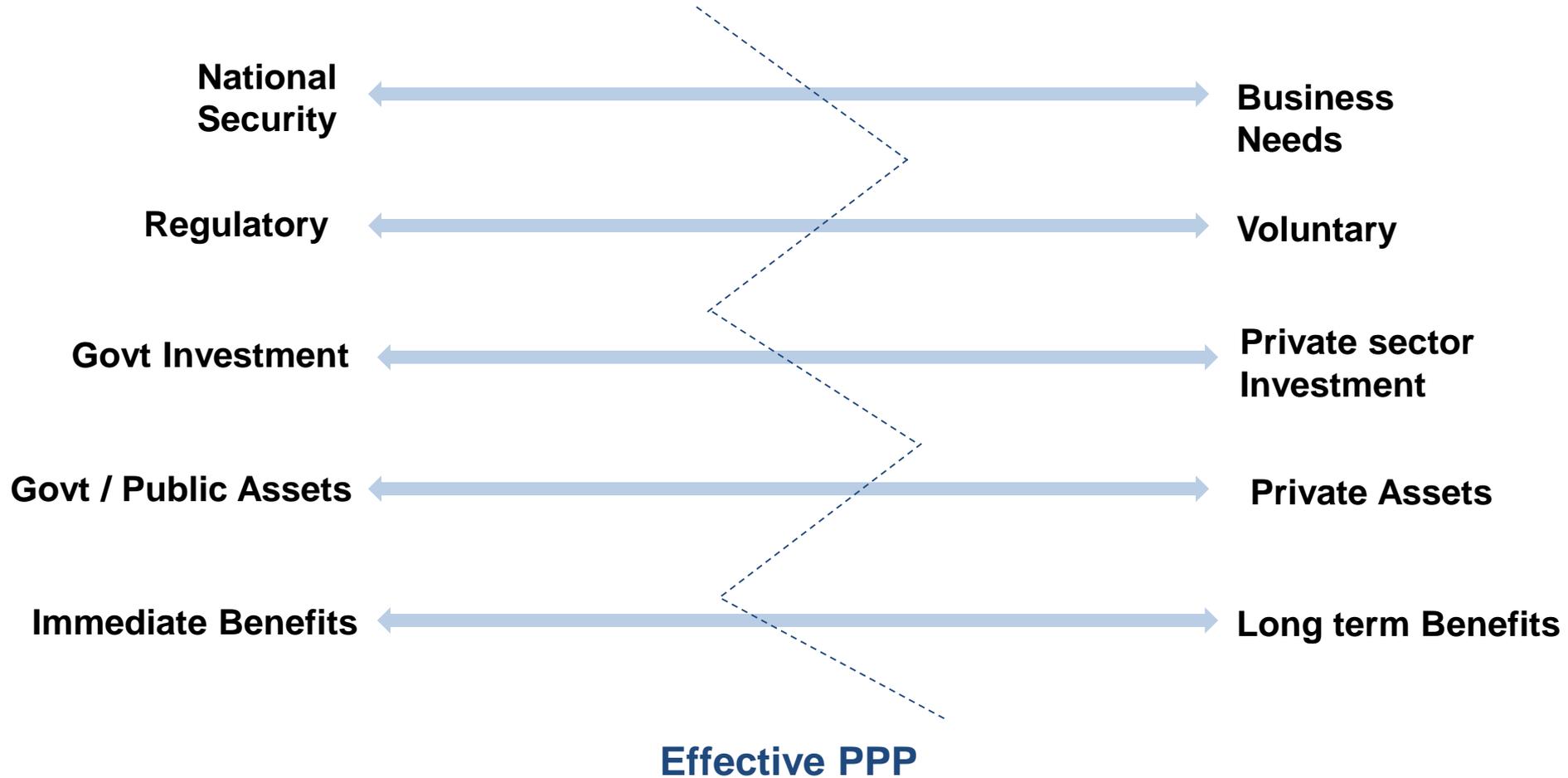
## NCSP – Developing effective PPPs

- 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 Gol

# Finding the 'Sweet Spots' for Effective PPP



# Existing PPP Initiatives

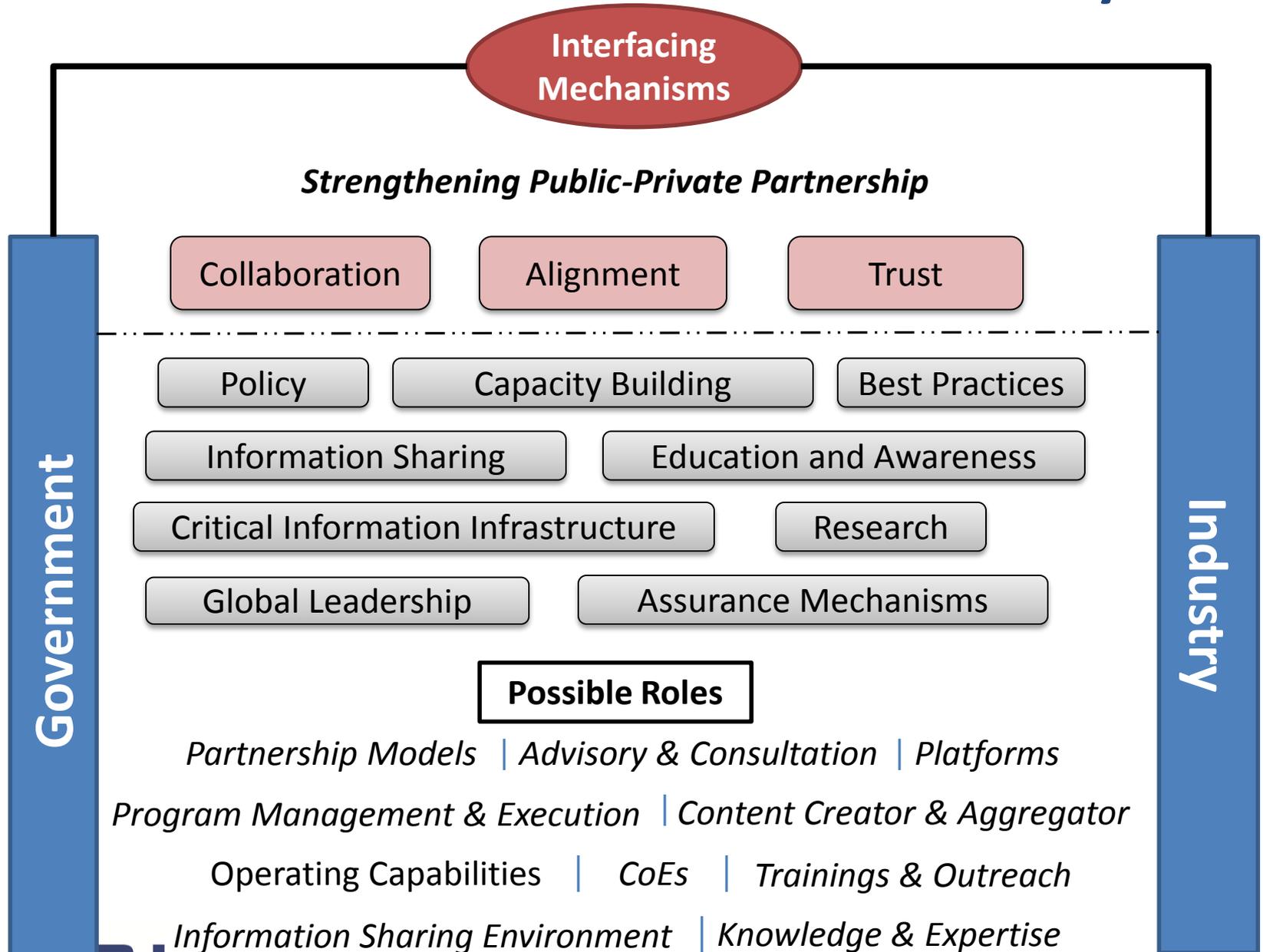
|                             | Institutions / Committees | Initiatives / Programs                              |
|-----------------------------|---------------------------|---|
| Policy Development/Advisory | JWG, JCICA, DSCI          |   |
| Information Sharing         | IB-CART                   |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

*PPP in Privacy also important – government and industry should work together in policy making, standards development and enforcement; co-regulatory models*

# 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