FIRST RECOUSE OR LAST RESORT?
THE NATIONAL INTEREST IN REGULATING THE IOT

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First Recourse or Last Resort?
The National Interest in Regulating the IOT:

- The Distinct Nature of IoT Threats
  - Cyber-physical attacks with multi-dimensional impacts
  - Proliferating attack surfaces, supply chain vectors and cascading effects
  - *Privacy threats of massive data collection and harvesting via the IoT*

- Reconciling Risk and Opportunity
  - National advantage in promoting IoT innovation and realizing IoT functionalities
  - Unconfined risk across public and private sectors from directed IoT attack

- A Range of Responses
  - Security is not keeping pace with IoT deployment or threat trends

- A Plethora of Participants
  - All levels of Government, Industry Groups, Standards-Setting Bodies ... *et al.*

- A Forest of Standards & Best Practices
  - Best intentions may produce confusion, frustration ... vulnerability + exploitation

Changing Public Perception
First Recourse or Last Resort? The National Interest inRegulating the IOT:

A fundamental question is whether the governments can “afford the risk” of forbearance from intervention:

- Rely on industry?
- Government leadership by example? Where should it follow?
- “Roles & Missions” among federal, state and local governments?
- Marketplace self-discipline?
- Private sector litigation and liability?
- Executive Branch action?
- Sector-specific initiatives?
- International measures?

Can government effectively respond now, when gaps and fractures are evident - or only after disasters occur?
First Recourse or Last Resort? The National Interest in Regulating the IOT:

If it intervenes, how and where can Government act? What should it do?

- **Federal Government Regulation and Direction:**
  - Regulatory Agencies (FCC, FERC, SEC, FDA, etc.)
  - Enforcement Agencies (FTC, DoJ, etc.)
  - Government Procurement
  - DoD, DHS and the IC (Threat Collection & Action)

- **Congressional Acts:**
  - Funding
  - Oversight
  - Acquisition Measures
  - Litigation Reform
  - Tax Incentives & Insurance

- **State and Local Government**

“Whole of Government” (if not) “Whole of Society”

**DATA HARVESTS**

Privacy

CONSUMER IoT

**Timing of Government action**

**Role of Security Professionals**
AUDIENCE QUESTIONS?