

# IoT Advisory Board

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## IoT AB Cybersecurity Subgroup

*Subgroup Members:*

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# Proposed Cybersecurity Section Content – General

- Major sectors of IoT—cybersecurity considerations
- Legacy IoT devices (e.g., OT space, smart buildings, consumer)
- Role of chip-based security (incl. TPM and secure device architectures)
- Attack vectors in an IoT Context
- Linkage between security and privacy
- Security and Traceability
- National Cybersecurity Label for Consumer Connected Devices
- Policy Topics
- Issues
- Solutions, Activities and Opportunities

# Policy Topics

- Clarity on the distinction between major IoT sectors: IIoT, IoMT, consumer, etc.
- Liability issues as a barrier to security
- Cyber incident reporting for critical infrastructure
- Considerations from the WH National Cybersecurity Strategy

# Issues:

- Security vs privacy, at the hardware level
- Trusted devices v. secure devices
- Legacy IoT devices
- Global ecosystem and fragmentation
- Transparency
- Traceability
- Evolving attacks (e.g., battery draining attacks)
- International considerations

# Solutions, Activities and Opportunities

- Consumer IoT labeling and e-Labeling
- Security by Design (Secure Development Life Cycle)
- Built-in security in products and systems
- Harmonization to address global fragmentation.
- Market incentives for implementing cybersecurity
- Advances in IoT cybersecurity (TPM, lightweight crypto, e.g.)
- Training and workforce development