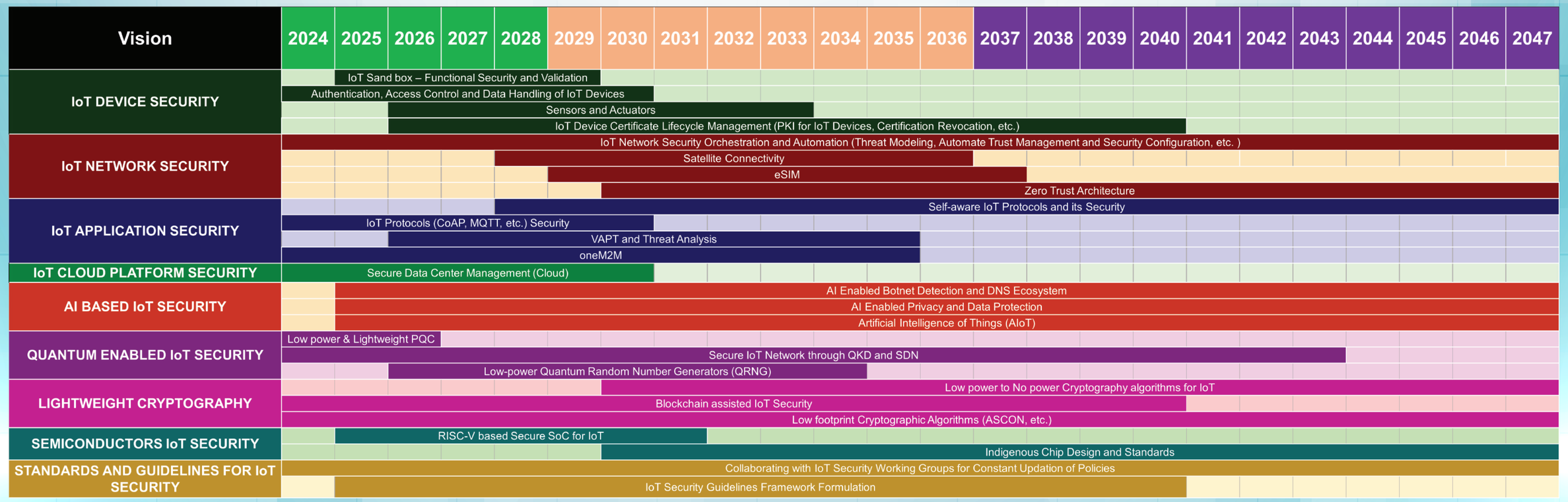
इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय
भारत सरकार
Ministry of Electronics and Information Technology
Government of India

National IoT Security Roadmap

(Draft)

C-DAC



Short Term | **Medium Term** | **Long Term**

Goals

- Indigenous security ecosystem for IoT security
- AI powered self adapting IoT security
- PQC enabled IoT systems
- No power cryptography algorithms for IoT
- Security on IoT enabled Digital Twins

Major Outcomes

- AI/ML/DL based IoT security solution
- Enhancement in IoT security and its evaluation strategies
- Secure SoC for IoT devices
- IoT Security with low power and lightweight cryptography algorithms
- IoT Security fortified with PQC
- IoT device certification

Beneficiaries

- Enterprises and Businesses
- Consumers and IoT device Manufactures
- IoT S/W and H/W Developers
- Regulatory Bodies and Governments
- Research Community