IoT SECURITY MOST CRITICAL CHALLENGES

| Security & Privacy by Design | | | | | | |
|---------------------------------------|---|----|----|----|----|---|
| IoT Security standards | | | | | | |
| Evaluation & Certification | | | | | | |
| Product Lifecycle Support | | | | | | |
| Device ID & Root of Trust | | | | | | |
| Supply Chain Security | | | | | | |
| Secure OS, Cloud, App | | | | | | |
| Secure Communication | | | | | | |
| Responsible industry ecosys | | | | | | |
| Secure monitoring, analytics | | | | | | |
| Future Legisation | | | | | | |
| | 0 | 10 | 20 | 30 | 40 | ! |

| | Or Security Initiative | Cybersecurity and Privacy by Design | loT Security Standards | Evaluation and Certification | Future-Proof Legislation | Responsible Industry Ecosystem | Supply Chain Security | Product Lifecycle Support | Device Identity and Root of Trust | Secure OS, Cloud and Applications | Secure Communications and Infra | Security Monitoring and Analytics |
|----|------------------------------------|-------------------------------------|------------------------|------------------------------|--------------------------|--------------------------------|-----------------------|---------------------------|-----------------------------------|-----------------------------------|---------------------------------|-----------------------------------|
| 1 | Alliance for IoT Innovation | • | • | | • | | | | | | | |
| 2 | Cloud Security Alliance | | • | | | | | | | • | | |
| 3 | ENISA IoT | • | • | | • | | | | | | | |
| 4 | ETSI | • | • | | | | | | | | | |
| 5 | GlobalPlatform | | | • | | | | | • | | | |
| 6 | Global Cyber Alliance | | | | | | | | | | | • |
| 7 | GSMA | | • | | | | | | | | • | |
| 8 | Internet Engineering Task Force | | • | | | | | | | | • | |
| 9 | Industrial Internet Consortium | | • | | | • | • | • | • | • | • | • |
| 10 | IoT Acceleration Consortium | | • | | | | | | | | | |
| 11 | IoT Consortium | | | | | • | | | | | | |
| 12 | IoT Cybersecurity Alliance | | • | | | | | | | • | • | • |
| 13 | IoT European Platforms Initiative | | | | | • | | | | | | |
| 14 | IoT Security Foundation | • | • | • | | • | • | • | • | • | • | • |
| 15 | ITU Study Group 20 | | • | | | | | | | | • | |
| 16 | LoRa Alliance | | • | • | | | | | | | • | |
| 17 | NIST Cybersecurity for IoT Program | | • | | | | | | | | | |
| 18 | Open Connectivity Foundation | | • | | | | | | | | • | |
| 19 | OWASP IoT Project | • | • | | | | | | | • | • | |
| 20 | Prpl Foundation | | | | | | | | • | | • | |
| 21 | Thing-to-Thing Research Group | | • | | | | | | | • | • | |
| 22 | Trusted Computing Group | | | | | | | | • | • | | |
| 23 | UEFI Forum | | • | | | | | | • | | | |
| 24 | Wi-SUN Alliance | | • | • | | | | | | | • | |
| 25 | Zigbee Alliance | | • | • | | | | | | | • | |