

Wipro’s

Internet of Things (IoT) Device Security Policy

**Document Control**

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| --- | --- |
| Function | Group Chief Information Security Office (GCISO) |
| Sub-function | - |
| Policy Owner | Lakshminarayanan RS, Group Head - Information Security Policy & Framework |
| Policy Effective Date | August 24, 2023 |

**Purpose**

The policy establishes security requirements to protect Internet of Things (IoT) devices from associated risks.

**Audience**

Organization’s employees, retainers, contractors, and service providers.

**Scope**

This policy applies to IoT devices owned or managed by the Organization.

**Policy Details**

**IoT.1** Inventory of IoT devices shall be maintained and reviewed periodically.

**IoT.2** Third-party access to IoT devices shall be approved and managed as per the Remote Access Policy.

**IoT.3** Access shall be granted based on the principle of least privilege.

**IoT.4** Role-based access shall be granted on IoT devices.

**IoT.5** Periodic security risk assessmentsshall be performed.

**IoT.6** Data in transit, in process, and at rest shall be encrypted.

**IoT.7** Periodic vulnerability and penetration testing shall be performed.

**IoT.8** Security patches and firmware updates shall be prioritized and deployed based on the severity of the vulnerabilities.

**IoT.9** IoT devices shall be physically secured to prevent tampering or theft.

**IoT.10** Network segmentation shall be designed and implemented.

**IoT.11** IoT devices shall be synchronized with Organization’s clock synchronization service.

**IoT.12** Logging and monitoring shall be enabled as per the Logging and Monitoring Standard.

**IoT.13** Security incidents shall be reported as defined in the Security Incident Management Procedure.

**Definitions**

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| **Definition** | **Description** |
| IoT device | The network of devices that contain hardware, software, firmware, and actuators. This allows the devices to connect, interact, and freely exchange data and information. |
| Organization | Wipro Limited, including subsidiaries, affiliates, and acquired entities, but excluding acquired entities governed by an independent set of security policies. |

**Acronyms**

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| **Acronym** | **Description** |
| GCISO | Group Chief Information Security Office |
| IoT | Internet of Things |

**References**

* Security Patch Management Policy
* Remote Access Policy
* Encryption Policy
* Vulnerability Assessment and Penetration Testing Policy
* Internet of Things (IoT) Device Security Standard
* Logging and Monitoring Standard
* Security Incident Management Procedure

**Revision History**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Version | **Revision Date** | **Reason for Change** | **Drafted/ Reviewed By** | **Approved By** | **Date Approved** |
| 1.0 | 24th August 2023 | Reviewed and updated the policy as per the ISO 27001:2022 and best practices of NIST 800-53 Rev5. | Joji M | Lakshminarayanan RS | 15th January 2024 |