# Purpose

It is essential to have all the clocks on the network synchronized and secure. This includes clocks of workstations, servers, network equipment, and other devices. It is crucial for having the right timestamps on log entries across the network, without which the diagnosis of a security incident will become very difficult.

# Scope

This standard is applicable to all computing and communication devices.

# Definitions

In this document, information security related terms have been marked in *underlined* *italics*. For their definitions, refer to the standard *EE-ISMS-S001 Terms and Definitions*.

# Standard Statement

* 1. Network Time Protocol (NTP) is the standard time synchronization protocol to be used by servers and communication devices at the Electronics Department.
  2. There must be a hierarchy of redundant NTP servers to distribute time information. The first (or topmost) stratum of servers must synchronize with the NTP Stratum 1 servers on the Internet.
  3. Windows workstations must synchronize through Active Directory service.

# Exceptions

# References

* 1. *M01 NSCL Electronics Department ISMS Manual*, NSCL Document Server, Electronics Folder
  2. *P502 Information Security Policy,* NSCL Document Server, Electronics Folder

# Revision History

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| --- | --- | --- |
| Revision  Level | Date | Revision Changes |
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# Reviews

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| Reviewer | Review Date |
| Information Security Working Group |  |

**Approved**

**Department Head:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Approval Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Effective Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**