

Synopsis of IS of LITD

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Number and Title of the Indian Standard: Doc. No: LITD 13 (3503)
Information Technology — Open Systems Interconnection — Network Layer Security Protocol.

- a) Scope: This Standard specifies a protocol to be used by End Systems and Intermediate Systems in Order to provide security Services in the Network layer, which is defined by IS 13868 and ISO 8648. The protocol defined in this Standard is called the Network Layer Security Protocol (NLSP).
- b) Salient features of content: The protocol defined by this Standard is used to provide security Services in support of an instance of communication between lower layer entities. This protocol is positioned with respect to other Standards by the layered structure defined in IS 12373(Part 1) and by the Network layer organization as defined in ISO 8648 and extended by ISO/IEC TR 13594 (Lower Layer Security Model). It provides security Services in support of both connection-mode and connectionless-mode Network Services. In particular, this protocol is located in the Network layer, and it has functional interfaces and clearly defined Service interfaces at its upper and lower boundaries. To evaluate conformance of a particular implementation, it is necessary to have a Statement of which capabilities and options have been implemented for a given OSI protocol. Such a Statement is called a Protocol Implementation Conformance Statement (PICS).
- c) Types/grades/classes, if any covered in the standard: NA
- d) Disclaimer (to be automatically provided by the program/software)