Product Standard

General Interworking:
X.400 Gateway

The Open Group

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Product Standard

General Interworking: X.400 Gateway

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Product Standard

NAME

X.400 Gateway

LABEL FOR LOGO

No label.

DESCRIPTION

This Product Standard provides facilities for the construction of portable gateway applications that allow messages from one messaging system (for example, electronic mail) to be converted and forwarded according to the formats and conventions of another messaging system.

Usage is not restricted to electronic mail since the interfaces and protocols may equally be used to convey messages containing arbitrary binary data; for example, Electronic Data Interchange (EDI).

Usage is not restricted to X.400 OSI networks as the programming interfaces are equally applicable to other protocols.

CONFORMANCE REQUIREMENTS

Human-Computer Interface

Not applicable.

Portability Interface

The Message Transfer (MT) interface as stated in the conformance clauses in the API to Electronic Mail (X.400) Specification[1], Section 1.8, Conformance.

The conformance clauses also reference the OSI-Abstract-Data Manipulation API (XOM) Specification.[2]

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1. CAE Specification, December 1991, API to Electronic Mail (X.400) (ISBN: 1-872630-19-7, C191).
2. CAE Specification, November 1991, OSI-Abstract-Data Manipulation API (XOM) (ISBN: 1-872630-17-0, C180).

Programming Language Environment

C Language. Dialect ISO C. ISO C source programs invoking the services of this Product Standard must be supported by the registered product.

Interoperability

- Data Interchange Formats

  None.

- Communications Interfaces and Protocols

  Products conforming to the X.400 Gateway Product Standard shall be available in a configuration that supports at least one of the following X.400 profiles:

  — MHS (1984): Interpersonal Messaging UA + MTA: PRMD/ADMD to ADMD (P2 and P1): M-IT-02 Profile: A/311; CEN/CENELEC Functional Standard: ENV 41202.

  — MHS (1984): Interpersonal Messaging UA + MTA: PRMD to PRMD (P2 and P1): M-IT-02 Profile: A/3211; CEN/CENELEC Functional Standard: ENV 41201.

  Support for other protocols, for example, X.400 (1988), can be declared in the Conformance Statement.

OPERATIONAL ENVIRONMENT

Not applicable.

PORTABILITY ENVIRONMENT

XPG3 Internationalized System Calls and Libraries, Internationalized System Calls and Libraries, Internationalized System Calls and Libraries Extended, or Internationalized System Calls and Libraries Extended V2.

OVERRIDING STANDARDS

None.

INDICATORS OF COMPLIANCE

None.

The test environment used must consist of two systems communicating using protocol stacks declared in the Conformance Statement.

MIGRATION

Not applicable.