



*for further reading*

The Message Store (MS) serves an intermediary role between the UA and the MTS. Its primary function is to provide storage for messages submitted by and delivered to a single MHS end-user, and to retain these for subsequent retrieval by the end-user’s UA. However, it should be noted, that UA’s submissions go "pass-through" to the MTS, or more precisely, to the MTA serving the MS.

The MS accesses the MTS (via an MTA) with the common MTS-access protocol (P3), i.e. the MS is engaged in the same submission and delivery operations as a UA interfacing directly the MTS (see ISO/IEC 10021-4). That means, the serving MTA does not distinguish between an attached UA and MS. Typically, the MS functionality is collocated with the serving MTA, that means, the MTS Access Protocol (P3) is not explicitly performed. This implementation matter will not be further taken into account.

The operations between the MS and the associated UA are MS specific and are collectively referred to as MS-access protocol (P7).

The MS specification defines three ports for operations with the UA:

*P3 protocol*

*P7 protocol*

- *MS submission port*. Is used to submit a message or probe to the MTS and store a copy of it. Alternatively, the message (probe) may be stored as "draft" for later use. MS-submission makes use of the MTS submission operations (as introduced earlier) and needs no further considerations.
- *MS retrieval port*. Is used to invoke fetch, list, summarize and other services concerning the stored information objects. The retrieval port offers also an "alert-service" that immediately informs the MS-service user that a message or report has been delivered whose attributes match given selection criteria.
- *MS administration port*. Provides a "pass-through" service to the administration port of the MTS (or MTA) - see ISO/IEC 10021-4. Is used, among others, for register operations, i.e. long-term settings of user parameters. The subject will be visited in a subsequent Section.

*Submission port*

*Retrieval port*

*Administration port*

## **references**

- ISO/IEC 10021-5:2003, Message Store: Abstract service definition
- ISO/IEC 10021-7:2003, Section 19 (IPMS - Message Store operation)