

B.4.2 *Checkpoint-confirmed*

This Boolean variable is TRUE, if at least one checkpoint was confirmed during the transfer procedure. It is set FALSE at the beginning of the transfer procedure (specific action [a30]). It is set TRUE, if an S-MINOR-SYNCHRONIZE confirm primitive is issued to the sending DTAM-PM (specific action [a32]).

B.4.3 *Transfer-completed*

This Boolean variable is TRUE, if the receiving DTAM-PM aborted the association because it could not discard an already completed transfer. It is set by the specific actions [a93] and [a94].

This Boolean variable is tested in the predicate p37.

B.4.4 *Outstanding-minor-syncs*

This integer variable indicates the number of outstanding checkpoint confirmations during the transfer procedure. It is set to zero at the beginning of the transfer procedure (specific action [a30]). It is incremented by one, if a S-MINOR-SYNCHRONIZE request primitive is issued by the sending user to the sending DTAM-PM (specific action [a31]).

The value of this variable is compared with the value of the window-size field of the S-CONcnf in the predicate p32. The value of this variable is compared with the value zero in the predicate p33.

Recommendation T.441

DOCUMENT TRANSFER AND MANIPULATION (DTAM) - OPERATIONAL STRUCTURE

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Scope

This Recommendation has been established to cover the needs of videotex interworking. It will be further developed to cover the needs of other telematic services.

The operational structure should be developed as a set of rules for an interface between telematic applications based on T.400 Series of Recommendations and an ODA-document.

1 Overview of operational concept

A document is defined in terms of logical and/or layout structure according to the specifications of the T.410 Series of Recommendations.

The basic principle of the operational concept is to provide the means for the integration of telematic services requirements, not covered by the T.410 Series of Recommendations within the applications on the top of DTAM (see Figure 1/T.441).

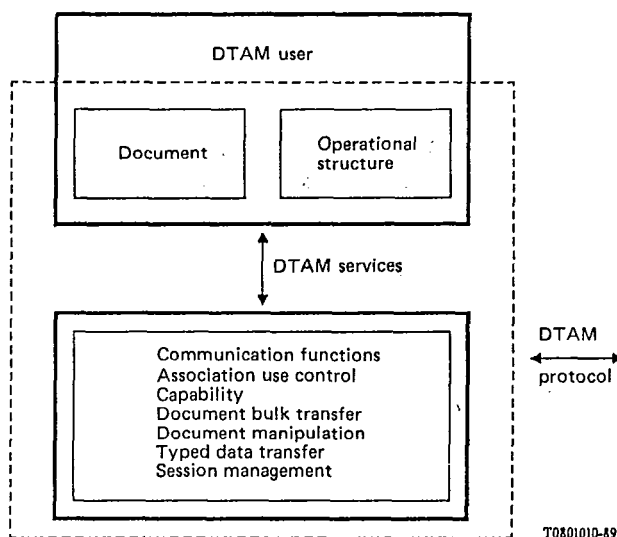


FIGURE 1/T.441

Overview of DTAM (including operational structure)

Document handling, e.g. access to parts of a document and manipulation of a document requires detailed considerations; two aspects of document handling shall be distinguished:

- a) In addition to the document, structural concepts need to be defined in T.400 Series of Recommendations; these concepts shall define the structural aspect of the document handling (as for example "forms for data entry").

Note - The definition of structural concepts is not in the scope of this Recommendation. Specifications concerning such concepts require further detailed study.

- b) In addition to the document, applications may require operational features which provide information for the interface between the document and the application. Interfaces are for example necessary for "Data Entry", "Spread Sheet", "Remote Editing", etc.

As an application on top of DTAM shall solely use DTAM service and protocol, this Recommendation provides the operational concept which allows to integrate operational features within the concept of DTAM.

The operational structure is introduced as a set of rules to structure the interface between a document and the application (see Figure 2/T.441). By defining a mapping onto the operational structure, the application integrates its operational features within DTAM. The mapping has to be specified within the appropriate Recommendation for the relevant application. The semantic of the interface is generally determined by the relevant application.