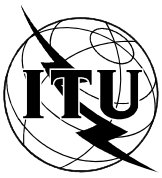

INTERNATIONAL TELECOMMUNICATION UNION

CCITT

THE INTERNATIONAL
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CONSULTATIVE COMMITTEE

T.522

(11/1988)

SERIES T: TERMINAL EQUIPMENT AND PROTOCOLS FOR TELEMATIC SERVICES

COMMUNICATION APPLICATION PROFILE BT1 FOR DOCUMENT BULK TRANSFER

Reedition of CCITT Recommendation T.522 published in the Blue Book, Fascicle VII.7 (1988)

NOTES

1 CCITT Recommendation T.522 was published in Fascicle VII.7 of the *Blue Book*. This file is an extract from the *Blue Book*. While the presentation and layout of the text might be slightly different from the *Blue Book* version, the contents of the file are identical to the *Blue Book* version and copyright conditions remain unchanged (see below).

2 In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Recommendation T.522

COMMUNICATION APPLICATION PROFILE BT1 FOR DOCUMENT BULK TRANSFER

0 Introduction

T.400 Series of Recommendations define the open document architecture (T.410 Series) and the DTAM services and protocols (T.430 Series) for the purpose of the document transfer and manipulation. In order to apply T.400 Series to various telematic services, it is necessary to specify the DTAM application profile for each service that consists of a document application profile and a communication application profile.

According to this requirement, T.500 Series of Recommendations define the document application profiles and T.520 Series of Recommendations define the communication application profiles.

Recommendation T.522 is one of a set of T.520 Series of Recommendations to define the communication application profile for the document bulk transfer using X.200 environment.

1 Scope and field of application

This Recommendation defines the communication application profile for the document bulk transfer in terms of:

a) DTAM functional units used;

b) DTAM service primitives and parameters used.

2 References

The following references are required in order to implement this communication profile defined in this Recommendation.

– Rec. T.431: Document transfer and manipulation (DTAM) – Services and protocols – Introduction and general principles

– Rec. T.432: Document transfer and manipulation (DTAM) – Services protocols – Service definition

– Rec. T.433: Document transfer and manipulation (DTAM) – Services and protocols – Protocol specification

3 Definitions

The definitions of T.400 Series of Recommendations also apply to this Recommendation.

4 Abbreviations and conventions

The abbreviations and conventions defined in T.400 Series of Recommendations also apply to this Recommendation.

5 Definitions of communication application profile BT1

5.1 *Overview of BT1*

This Recommendation defines functional units and communication support function in accordance with Recommendation T.431.

5.2 *DTAM functional units*

The following functional units defined in Recommendation T.432 are used for BT1:

– association use control (kernel);

– capability;

– document bulk transfer;

– token control;
– exception report;
– reliable transfer mode 2.

5.3 *DTAM service primitives and parameters*

General DTAM service definition and parameters are defined in Recommendation T.432. This section specifies the parameters of DTAM service of BT1.

5.3.1 *D-INITIATE service parameters*

The following parameters of this service are used as follows:

– telematic requirements;
– application capabilities;
– result.

The parameter «transparent mode» is not used.

Table 1-A/T.522 lists the D-INITIATE service parameters.

1) *Telematic requirements*

The following functional units defined in Recommendation T.432 are used for BT1 as mandatory functional units:

– association control (kernel);
– document bulk transfer;
– token control;
– exception report;
– reliable transfer mode 2.

The following functional units defined in Recommendation T.432 are used for BT1 as optional functional units:

– capability.

2) *Application capabilities*

This «application capabilities» is defined in Recommendation T.432 and the following sub-parameters are used:

a) *document application profile*

This parameter indicates the document application profile being used. Its value is specified in Recommendations that define terminal characteristics for particular telematic services.

b) *non-basic document characteristics*

This is the «non-basic document characteristics» defined in Recommendation T.432.

c) *non-basic structure characteristics*

This is the «non-basic structure characterisitcs» defined in Recommendation T.432.

3) *Result*

This field can take all the values defined in Recommendation T.432.

TABLE 1-A/T.522

D-INITIATE service parameters

	D-INITIATE request	D-INITIATE indication	D-INITIATE response	D-INITIATE confirm
Telematic requirements	M	M(=)	M	M(=)
Application capabilities	M	M(=)	M	M(=)
Document application profile	M	M(=)	M	M(=)
Non-basic document characteristics	U	C(=)	U	C(=)
Non-basic structure characteristics	U	C(=)	U	C(=)
Result			U	C(=)

5.3.2 *D-TERMINATE service parameters*

This service has no parameter for BT1. Only the initiator can issue D-TERMINATE. In addition, the initiator can issue D-TERMINATE only if he has a data token.

5.3.1.3 *D-U-ABORT service parameters*

This service has the parameter of «user information».

Table 1-B/T.522 lists the D-U-ABORT service parameter.

TABLE 1-B/T.522

D-U-ABORT service parameters

	D-U-ABORT request	D-U-ABORT indication
Use information	U	C(=)

5.3.4 D-CAPABILITIY service parameters

This service has the following parameters:

– application capabilities which consists of three sub-parameters: document application profile, non-basic document characteristics and non-basic structure characteristics;

– user information.

Table 1-C/T.522 lists the D-CAPABILITY service parameters.

TABLE 1-C/T.522

D-CAPABILITY service parameters

	D-CAPABILITY request	D-CAPABILITY indication	D-CAPABILITY response	D-CAPABILITY confirm
User information	U	C(=)	U	C(=)
Application capabilities	M	M(=)	M	M(=)
Document application profile	M	M(=)	M	M(=)
Non-basic document characteristics	U	C(=)	U	C(=)
Non-basic structure characteristics	U	C(=)	U	C(=)
User information	U	C(=)	U	C(=)

5.3.5 *D-TRANSFER service parameters*

This D-TRANSFER service is used as defined in Recommendation T.432.

5.3.6 *D-CONTROL GIVE service parameters*

The D-CONTROL GIVE service surrenders all available tokens and has no parameter.

5.3.7 *D-TOKEN PLEASE service parameters*

The D-TOKEN PLEASE service is used to request all available tokens and has no parameter.

5.3.8 *D-U-EXCEPTION-REPORT service parameters*

This is left for further study.

5.3.9 *D-P-EXCEPTION-REPORT service parameters*

This is used as defined in Recommendation T.432.

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