



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Amendment 1**  
**T.521**  
(08/95)

**TERMINALS FOR TELEMATIC SERVICES**

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**COMMUNICATION APPLICATION  
PROFILE BT0 FOR DOCUMENT  
BULK TRANSFER BASED ON  
THE SESSION SERVICE**

**Amendment 1 to  
ITU-T Recommendation T.521**

(Previously "CCITT Recommendation")

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## FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (ITU). The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, March 1-12, 1993).

Amendment 1 to ITU-T Recommendation T.521, was prepared by ITU-T Study Group 8 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 11th of August 1995.

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## NOTE

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

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## **SUMMARY**

Recommendation T.521 defines communication application profile for G4 facsimile apparatus. This amendment contains the definition of parameters for file transfer added as an optional function.

**COMMUNICATION APPLICATION PROFILE BT0  
FOR DOCUMENT BULK TRANSFER BASED  
ON THE SESSION SERVICE**

(1995)

**1 Subclause 5.3.1.5 should be amended as follows:**

**5.3.1.5 D-CAPABILITY service parameters**

This service has the sub-parameter “ODA Application capabilities” which consists of the following parameters:

- document application profile;
- document architecture class;
- non-basic document characteristics;
- additional document characteristics.

Table 1-B lists the D-CAPABILITY service parameters.

1) *Application capabilities*

See 5.3.1.1.

ODA Application capabilities:

a) Document application profile

See 5.3.1.1.

b) Document architecture class

See 5.3.1.1.

c) Non-basic document characteristics

This is the parameter “Non-basic document characteristics” defined in Recommendation T.432.

d) Additional document characteristics

This is the parameter “Additional document characteristics” defined in Recommendation T.432.

e) File transfer capabilities

This is the parameter “File transfer capabilities” defined in Recommendation T.432.

f) Private capabilities

This is the parameter “Private capabilities” defined in Recommendation T.432.

TABLE 1-B/T.521

**D-CAPABILITY service parameters**

	D-CAPABILITY request	D-CAPABILITY indication	D-CAPABILITY response	D-CAPABILITY confirm
ODA Application capabilities				
-----				
Document application profile	M	M(=)	M	M(=)
Document architecture class	M	M(=)	M	M(=)
Non-basic document characteristics	U	C(=)	U	C(=)
Additional document characteristics	U	C(=)	U	C(=)
File transfer capabilities	U	C(=)	U	C(=)
Private capabilities	U	C(=)	U	C(=)

**2 Subclause 5.3.1.6 should be amended as follows:****5.3.1.6 TRANSFER service parameters**

This service has the following parameters:

1) *Document information*

This parameter consists of the interchange data elements representing the document. The “Document characteristics” from the document profile are transferred using S-ACT-START service.

All interchange data elements, except the document profile descriptor, are transferred using S-DATA-services. The document profile is reconstructed by the received DTAM-PM, on the basis of the “Document characteristics” transferred in the S-ACT-START service.

2) *Document information type*

This parameter has the value “transfer of a document from its beginning” in the request primitive (see Recommendation T.432). For the indication and confirm primitive, the value is either “transfer completed” or “transfer not completed”.

3) *Document reference information*

The value of this parameter is to be provided by the DTAM user in accordance with the rules specified in Recommendation T.432.

4) *Result*

This parameter has one of the values “document information transferred” or “document information not completely transferred”, as defined in Recommendation T.432.

NOTE – The parameter value “document-information-continuation not possible” is for further study.

5) *Checkpoint value*

This parameter is used as defined in Recommendation T.432. The number of IDE per segment is integer 2. However, the document profile and the document root are not counted (see Figure 1). In case of file transfer function, this parameter is used as defined in Recommendation T.432 (see Figure 2).

The following restriction is applied to the transfer syntax coding rules defined in Recommendation X.209 for the interchange of the document application profile defined in Recommendation T.503:

- Length fields longer than three octets shall not be used. A length field of three octets allows for the representation of a length of up to 65 535. A data element with a length exceeding 65 535 shall have a length field of the indefinite form.

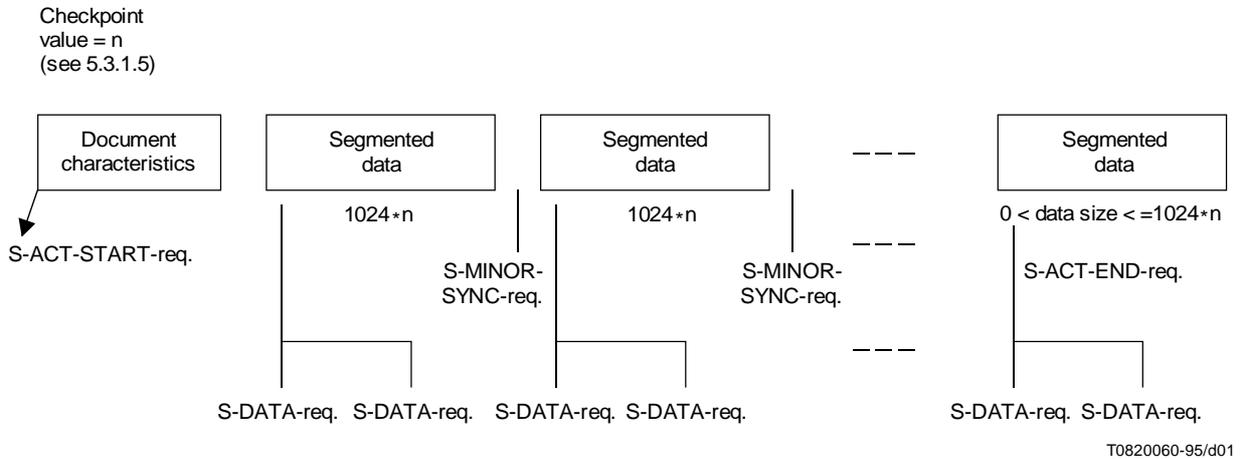


FIGURE 2/T.521

Application of the segmenting mechanism as defined in Figure 2/T.433

### 3 Modify Table 2-D as follows

TABLE 2-D/T.521

#### D-CAPABILITY

DTAM service parameters	Basic and additional session service parameters	Presence in session protocol	Category
ODA-Application capabilities	Session user data	m	1
Document application profile		m	
Document architecture class		m	
Non-basic document characteristics		nm	
Additional document characteristics		nm	
File transfer capabilities		nm	
Private capabilities		nm	
None	Inactivity timer	nm	2
	Storage capacity	nm	
None	Private use (Note)	nm	3
	Non-standardized capabilities	nm	

NOTE – In case of file transfer, this parameter is used in accordance with the rules defined in Recommendation T.571. The use for facsimile Group 4 is for further study.