

Recommendation T/SF 31-06 (Cannes 1983, revised in Odense 1986)

**RELEVANCE OF SUPPLEMENTARY SERVICES TO BE PROVIDED IN AN INTEGRATED SERVICES
DIGITAL NETWORK (ISDN)**

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1. **GENERAL ASPECTS**

That the operation of Supplementary Services should be always relevant to the form of traffic being carried. Further details on Supplementary Services see T/SF 31-01, T/SF 31-05 and T/SF 31-07.

2. **SUPPLEMENTARY SERVICES TO BEARER SERVICES MATRIX**

A matrix indicating the relevance and the priority of general introduction of each Supplementary Services to each ISDN Bearer Service is contained in Annex 1.

3. **SUPPLEMENTARY SERVICES TO TELESERVICES MATRIX**

A matrix indicating the relevance and the priority of general introduction of each Supplementary Service to each ISDN Teleservice is contained in Annex 2.

Notes:

The following symbols have been used in Annex 1 and 2. Where more than one variant of a Supplementary Service exists the Supplementary Service Family name has been used and allocated a priority of introduction.

E indicates that the Supplementary Service is essential and has a high priority for introduction;

A indicates that the Supplementary Service is identified as additional and has a lower priority for introduction;

T Supplementary Services in principle may be located in either the network or in the terminal or a combination of both. The T indicates that a terminal solution is considered to have a high priority (e.g. for the Supplementary Services Abbreviated Address and Repeat Last Call).

The list of teleservices will be completed and the matrix adjusted.

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Annex 1

Matrix with the Relevance and Priority of Supplementary Services to ISDN Bearer Services

SUPPLEMENTARY SERVICE	BEARER SERVICES								
	1.1.1. Circuit mode 64 kbit/s unrestricted demand	1.2.1. Circuit mode 64 kbit/s usable for speech transfer	1.3.1. Circuit mode 64 kbit/s usable for 3.1 kHz audio transfer	1.1.2. Circuit mode 64 kbit/s unrestricted permanent	1.3.2. Circuit mode 64 kbit/s usable for 3.1 kHz audio-permanent	1.7.2. Circuit mode 1,920 kbit/s permanent	2.1.1. Packet mode B channel		
ABBREVIATED ADDRESS	T	T	T						
ADVICE OF CHARGE ²⁾	E	E	E	A	A	A	E		
ALARM CALL SERVICE	A	A	A						
ALARM (WARNING) SERVICE	A	A	A						
BOOKED CALL									
CALL BARRING SERVICE	E	E	E						
CALL HOLD	E	E	E						
CALL PICK UP SERVICE									
CALL WAITING ¹⁾	E	E	E				E		
CENT DISTRIBUTION OF RECORDED PRIVATE INFO	E	E	E						
CENT PBX FACILITIES	A	A	A	A	A	A	A		
CHANGE OF SERVICE DURING AN ESTABLISHED CALL	E	E	E	E	E	E	E		
CLOSED USER GROUP ¹⁾	E	E	E				E		
CODE/SPEED CONVERSION	E	E	E						
COMPLETION OF CALLS TO BUSY SUBSCRIBERS ²⁾	E	E	E						
CONFERENCE CALLING (ADD ON) ²⁾	E	E	E						
CREDIT CARD CALLING	A	A	A						
DATE AND TIME CALL RECORD									
DIRECT DIALLING IN ¹⁾	E	E	E				E		
DIRECTORY ENQUIRIES									
	AUT								
	MAN	E	E	E					
DIVERSION SERVICE (This comprises 4 services) ²⁾	E	E	E				E		
EDITING									
EDITING OF A CALL IN PROGRESS									
FAULT REPORTING SERVICE	E	E	E	E	E	E	E		
FIXED DESTINATION CALL	A	A	A						

SUPPLEMENTARY SERVICE	BEARER SERVICES						
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FREEFONE SERVICE ²⁾	E	E	E				E
GENERAL DE-ACTIVATION	A	A	A				
GENERAL TELECOMS INFORMATION							
INTERCEPTION OF CALLS	A	A	A				
LECTURE CALL							
LINE HUNTING	E	E	E				
LOGGING OF INCOMING	A	A	A				
MALICIOUS CALL IDENTIFICATION ²⁾	E	E	E				E
NATIONAL SELECT AND IND OF THROUGHPUT CLASS							
NUMBER IDENTIFICATION (This comprises 3 services) ²⁾	E	E	E	E	E	E	E
OPERATOR ACCESS TO AND CONTROL OF SUPPLEM SERVS	A	A	A				
OUT OF AREA LINES							
PACKET DELIVERY CONFIRM							
PAYPHONE SERVICE	A	A	A				
PERMANENT SUB NUMBER							
PRIORITY	E	E	E				
PRIORITY SELECTION							
REPEAT LAST CALL	T	T	T				
SEQUENCE CALLING	A	A	A				
SUB-ADDRESSING ¹⁾	E	E	E	A	A	A	E
TERMINAL PORTABILITY ¹⁾	E	E	E	E	E	T	E
TERMINAL SELECTION ¹⁾	E	E	E	T	T	T	E
THREE PARTY SERVICE ²⁾	E	E	E				
TRANSFER OF CHARGE	E	E	E				
UNIVERSAL ACCESS NUMBER	E	E	E				
USER-TO-USER SIGNALLING ¹⁾	E	E	E	E	E	E	E
USER SELECTION OF PAD PARAMETER SETTINGS							
WIDE AREA SERVICE							

Note 1. Supplementary Services to be made available in the first phase of ISDN implementation (from 1988).

Note 2. Supplementary Services to be made available in the second phase of ISDN implementation (1988-1993).

Annex 2

Matrix with the Relevance and Priority of Supplementary Services to Teleservices

SUPPLEMENTARY SERVICE	STANDARDISED TELESERVICES	T E L E P H O N Y	T E L E T E X	F A C S I M I L E	V I D E O T E X	MIXED MODE TELET EX/FAX	AUDIO- CONFERENCE				
ABBREVIATED ADDRESS		T									
ADVICE OF CHARGE	²⁾	E	E	E	E	E	E				
ALARM CALL SERVICE		A									
ALARM (WARNING) SERVICE		A									
BOOKED CALL											
CALL BARRING SERVICE		E									
CALL HOLD		E									
CALL PICK UP SERVICE											
CALL WAITING	¹⁾	E	E	E		E	E				
CENT DISTRIBUTION OF RECORDED PRIVATE INFO		E									
CENT PBX FACILITIES		A									
CHANGE OF SERVICE DURING AN ESTABLISHED CALL		E									
CLOSED USER GROUP	¹⁾	E	E	E	E	E	E				
CODE/SPEED CONVERSION											
COMPLETION OF CALLS TO BUSY SUBSCRIBERS	²⁾	E	E	E	E	E	E				
CONFERENCE CALLING (ADD ON)	²⁾	E									
CREDIT CARD CALLING		A									
DATE AND TIME CALL RECORD											
DIRECT DIALLING IN	¹⁾	E	E	E	E	E	E				
DIRECTORY ENQUIRIES	AUT MAN	E									
DIVERSION SERVICE (This comprises 4 services)	²⁾	E	E	E	E	E	E				
EDITING											
EDITING OF A CALL IN PROGRESS											
FAULT REPORTING SERVICE		E									
FIXED DESTINATION CALL		A									
FREEFONE SERVICE	²⁾	E	E	E	E	E	E				
GENERAL DE-ACTIVATION		A									
GENERAL TELECOMS INFORMATION											
INTERCEPTION OF CALLS		A									
LECTURE CALL											
LINE HUNTING		E									
LOGGING OF INCOMING CALLS		A									
MALICIOUS CALL IDENTIFICATION	²⁾	E	E	E	E	E	E				
NATIONAL SELECT AND IND OF THROUGHPUT CLASS											
NUMBER IDENTIFICATION (This comprises 3 services)	²⁾	E	E	E	E	E	E				

STANDARDISED TELESERVICES	T E L E P H O N Y	T E L E T E X	F A C S I M I L E	V I D E O T E X	MIXED MODE TELETEX/FAX	AUDIO- CONFERENCE				
SUPPLEMENTARY SERVICE										
OPERATOR ACCESS TO AND CONTROL OF SUPPLEM SERV	A									
OUT OF AREA LINES										
PACKET DELIVERY CONFIRM										
PAYPHONE SERVICE	A									
PERMANENT SUB NUMBER										
PRIORITY	E									
PRIORITY SELECTION										
REPEAT LAST CALL	T									
SEQUENCE CALLING	A									
SUB-ADDRESSING ¹⁾	E	E	E	E	E	E				
TERMINAL PORTABILITY ¹⁾	E			E		E				
TERMINAL SELECTION ¹⁾	E	E	E	E	E	E				
THREE PARTY SERVICE ²⁾	E									
TRANSFER OF CHARGE	E									
UNIVERSAL ACCESS NUMBER	E									
USER-TO-USER SIGNALLING ¹⁾²⁾	E	E	E	E	E	E				
USER SELECTION OF PAD PARAMETER SETTINGS										
WIDE AREA SERVICE										

Note 1. Supplementary Services to be made available in the first phase of ISDN implementation (from 1988).

Note 2. Supplementary Services to be made available in the second phase of ISDN implementation (1988-1993).