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
- 2. SUPPLEMENTARY SERVICES TO BEARER SERVICE MATRIX
- 3. SUPPLEMENTARY SERVICES TO TELESERVICES MATRIX

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

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

BEARER SERVICES			L		lent					
SUPPLEMENTARY	.I. Circuit mode 64 kbit/s unrestricted demand	2.1. Circuit mode 64 kbit/s usable for speech transfer	1. Circuit mode 64 kbit/s usable for 3.1 kHz audio transfer	2. Circuit mode 64 kbit/s unrestricted permanent	1.3.2. Circuit mode 64 kbit/s usable for 3.1 kHz audio-permanent	2. Circuit mode 1,920 kbit/s permanent	2.1.1. Packet mode B channel			
SERVICE	1.1.1.	1.2	1.3.1.	1.1.2.	1.3	1.7.2.	2.1			
FREEFONE SERVICE 2)	E	Е	Е				Е		<u> </u>	
GENERAL DE-ACTIVATION	A	A	Α					-	ļ	
GENERAL TELECOMS INFORMATION	ļ.,		-							
INTERCEPTION OF CALLS	A	Α	Α							
LECTURE CALL LINE HUNTING	T C.	Б	-						-	
LOGGING OF INCOMING	E	E	E							
MALICIOUS CALL IDENTIFICATION 2)	A	A	A							
NATIONAL SELECT AND IND OF THROUGHPUT CLASS	Е	Е	Е				Е			
	Б	Е								
TVOWIBER TELEVITI TEATTON (This comprises 5 services)	E	E	E	Е	_E	Е	Е			$\vdash\vdash\vdash$
OPERATOR ACCESS TO AND CONTROL OF SUPPLEM SERVS OUT OF AREA LINES	Α	A	A							
PACKET DELIVERY CONFIRM										\vdash
PAYPHONE SERVICE	A	Α	Α							
PERMANENT SUB NUMBER	/1	11	11							-
PRIORITY	Е	Е	E							-
PRIORITY SELECTION		15								
REPEAT LAST CALL	Т	Т	Т							
SEQUENCE CALLING	A	A	A							
SUB-ADDRESSING 1)	E	E	E	A	A	Α	Е			
TERMINAL PORTABILITY 1)	E	E	E	Е	E	T	E			
TERMINAL SELECTION 1)	E	E	E	T	T	T	E			
THREE PARTY SERVICE 2)	Е	Е	Е							
TRANSFER OF CHARGE	Е	Е	Е							
UNIVERSAL ACCESS NUMBER	Е	Е	E							
USER-TO-USER SIGNALLING	E	E	E	E	Е	Е	Е			
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

STANDARDISED TELESERVICES				-		1		, ,		 	
ADVICE OF CHARGE	TELESERVIC		E L E P H O N	E L E T E	A C S I M I L	V I D E O T E X	MIXED MODE TELETEX/FAX	AUDIO- CONFERENCE			
ALARM CALL SERVICE ALARM (WARNING) SERVICE ALARM (WARNING) SERVICE BOOKED CALL CALL BARRING SERVICE CALL HOLD CALL PICK UP SERVICE CALL WAITING CENT DISTRIBUTION OF RECORDED PRIVATE INFO CENT PBX FACILITIES CHANGE OF SERVICE DURING AN ESTABLISHED CALL CLOSED USER GROUP CODE/SPEED CONVERSION COMPLETION OF CALLS TO BUSY SUBSCRIBERS CONFERENCE CALLING (ADD ON) CREDIT CARD CALLING DATE AND TIME CALL RECORD DIRECTORY ENQUIRIES MAN DIVERSION SERVICE (This comprises 4 services) FAULT REPORTING SERVICE FIXED DESTINATION CALL FREEFONE SERVICE CRED SERVICE BE E E E E E CRED SERVICE CRED SERVICE	ABBREVIATED ADDRESS		Т								
ALARM (WARNING) SERVICE BOOKED CALL CALL BARRING SERVICE CALL HOLD CALL PICK UP SERVICE CALL WAITING CENT DISTRIBUTION OF RECORDED PRIVATE INFO CENT PBX FACILITIES CHANGE OF SERVICE DURING AN ESTABLISHED CALL CODE/SPEED CONVERSION COMPLETION OF CALLS TO BUSY SUBSCRIBERS CREDIT CARD CALLING DATE AND TIME CALL RECORD DIRECTORY ENQUIRIES MAN DIVERSION SERVICE (This comprises 4 services) E E E E E E E E E F E E E E F E E E E F E E E E F E E E E F E E E E	ADVICE OF CHARGE	2)	Е	Е	Е	Е	Е	Е			
BOOKED CALL CALL BARRING SERVICE CALL HOLD CALL PICK UP SERVICE CALL WAITING CENT DISTRIBUTION OF RECORDED PRIVATE INFO CENT PBX FACILITIES CHANGE OF SERVICE DURING AN ESTABLISHED CALL CLOSED USER GROUP CODE/SPEED CONVERSION COMPLETION OF CALLS TO BUSY SUBSCRIBERS CREDIT CARD CALLING DIRECT DIALLING IN DIRECT DIALLING IN DIVERSION SERVICE (This comprises 4 services) FAULT REPORTING SERVICE FIXED DESTINATION CALL E E CALL WAITING E E CONFERENCE E CONFERENCE	ALARM CALL SERVICE		Α								
CALL BARRING SERVICE CALL HOLD CALL PICK UP SERVICE CALL WAITING CENT DISTRIBUTION OF RECORDED PRIVATE INFO CENT DISTRIBUTION OF RECORDED PRIVATE INFO CENT PBX FACILITIES CHANGE OF SERVICE DURING AN ESTABLISHED CALL CLOSED USER GROUP CODE/SPEED CONVERSION COMPLETION OF CALLS TO BUSY SUBSCRIBERS CONFERENCE CALLING (ADD ON) CREDIT CARD CALLING DATE AND TIME CALL RECORD DIRECT DIALLING IN DIVERSION SERVICE (This comprises 4 services) FAULT REPORTING SERVICE FIXED DESTINATION CALL FREEFONE SERVICE CALL WAITING BE E E E E E E E E E E E E	ALARM (WARNING) SERVICE		A								
CALL HOLD E E U	BOOKED CALL						<u> </u>				
CALL PICK UP SERVICE 2 2 4 4	CALL BARRING SERVICE		Е								
CALL WAITING 0 E E E E E E E B E B <t< td=""><td>CALL HOLD</td><td></td><td>Е</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	CALL HOLD		Е								
CENT DISTRIBUTION OF RECORDED PRIVATE INFO E U	CALL PICK UP SERVICE										
CENT PBX FACILITIES A I	CALL WAITING	I)	Е	Е	Е		Е	Е			
CHANGE OF SERVICE DURING AN ESTABLISHED CALL E C <td>CENT DISTRIBUTION OF RECORDED PRIVATE INFO</td> <td></td> <td>Е</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	CENT DISTRIBUTION OF RECORDED PRIVATE INFO		Е								
CLOSED USER GROUP	CENT PBX FACILITIES		Α								
CODE/SPEED CONVERSION	CHANGE OF SERVICE DURING AN ESTABLISHED CALL		Е								
COMPLETION OF CALLS TO BUSY SUBSCRIBERS 2) E	CLOSED USER GROUP	1)	Е	Е	Е	Е	Е	Е			
CONFERENCE CALLING (ADD ON) 2) E U	CODE/SPEED CONVERSION										
CREDIT CARD CALLING A I	COMPLETION OF CALLS TO BUSY SUBSCRIBERS	2)	Е	E	E	Е	Е	Е			
DATE AND TIME CALL RECORD IDIRECT DIALLING IN IDIRECT DIALLING IN IDIRECT DIALLING IN IDIRECT DIALLING IN IDIRECTORY ENQUIRIES AUT MAN IDIRECTORY ENQUIRIES AUT MAN IDIRECTORY ENQUIRIES MAN E IDIRECTORY ENQUIRIES	CONFERENCE CALLING (ADD ON)	2)	Е								
DIRECT DIALLING IN " E E E E E E E E E E E E E E E E E E E	CREDIT CARD CALLING		Α								
DIRECTORY ENQUIRIES AUT MAN E E E E E E E E E E E E E	DATE AND TIME CALL RECORD									 	
DIVERSION SERVICE (This comprises 4 services) 2 E E E E E E E E E	DIRECT DIALLING IN	1)	Е	Е	Е	Е	Е	Е			
EDITING EDITING OF A CALL IN PROGRESS FAULT REPORTING SERVICE FIXED DESTINATION CALL FREEFONE SERVICE 2 E E E E E	DIRECTORY ENQUIRIES		Е								
EDITING OF A CALL IN PROGRESS FAULT REPORTING SERVICE FIXED DESTINATION CALL FREEFONE SERVICE 2 E E E E E	DIVERSION SERVICE (This comprises 4 services)	2)	Е	Е	Е	Е	Е	Е			
FAULT REPORTING SERVICE FIXED DESTINATION CALL FREEFONE SERVICE 2 E E E E CENTRAL DELICATION CALL	EDITING										
FIXED DESTINATION CALL FREEFONE SERVICE 2 E E E E CENTRAL DE ACTIVATION	EDITING OF A CALL IN PROGRESS										
FREEFONE SERVICE 3 E E E E E CENTRAL DE ACTIVATION	FAULT REPORTING SERVICE		Е					İ		 	
CENTED AT DE ACTIVIATION	FIXED DESTINATION CALL		Α	-							
CENTERAL DE ACTIVATION	FREEFONE SERVICE	2)	Е	Е	Е	Е	Е	Е			
GENERAL DE-ACTIVATION A	GENERAL DE-ACTIVATION		Α								
GENERAL TELECOMS INFORMATION	GENERAL TELECOMS INFORMATION								\neg		
INTERCEPTION OF CALLS A	INTERCEPTION OF CALLS		A								
LECTURE CALL	LECTURE CALL										
LINE HUNTING E	LINE HUNTING		Е					$\neg \uparrow$			
LOGGING OF INCOMING CALLS A	LOGGING OF INCOMING CALLS		A								
MALICIOUS CALL IDENTIFICATION 2) E E E E E	MALICIOUS CALL IDENTIFICATION	2)	Е	Е	Е	Е	Е	Е			
NATIONAL SELECT AND IND OF THROUGHPUT CLASS	NATIONAL SELECT AND IND OF THROUGHPUT CLASS										
NUMBER IDENTIFICATION (This comprises 3 services) 2) E E E E E	NUMBER IDENTIFICATION (This comprises 3 services)	2)	Е	Е	Е	Е	Е	Е			

STANDARDISED TELESERVICES SUPPLEMENTARY SERVICE	T E L E P H O N	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		
OPERATOR ACCESS TO AND CONTROL OF SUPPLEM SERVS	A							
OUT OF AREA LINES								
PACKET DELIVERY CONFIRM								
PAYPHONE SERVICE	A						 	
PERMANENT SUB NUMBER								
PRIORITY	E							
PRIORITY SELECTION			ļ <u>.</u>					
REPEAT LAST CALL	T							
SEQUENCE CALLING	Α	ļ						
SUB-ADDRESSING 1)	E	Е	Е	E	E	E	 	
TERMINAL PORTABILITY	Е		<u> </u>	Е		E	 	
TERMINAL SELECTION	Е	Е	E	E	E	Е		
THREE PARTY SERVICE	E							
TRANSFER OF CHARGE	E	ļ					 	
UNIVERSAL ACCESS NUMBER	E	ļ <u>.</u>	ļ					
USER-TO-USER SIGNALLING	E	E	E	E	Е	Е	 <u></u>	
USER SELECTION OF PAD PARAMETER SETTINGS						<u> </u>	 	
WIDE AREA SERVICE					<u> </u>			

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

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