

**Síťový plán signalizace
Příloha 5**

Technická specifikace SCCP

1 Základní ustanovení

- 1.1 Specifikace SCCP vychází z ITU-T doporučení Q.711, Q.712, Q.713, Q.714, Q.716 (03/93) modifikovaných normou ETS 300 009-1 (September 1996).
- 1.2 Pro tuto verzi protokolu SCCP není zaručena kompatibilita s předchozí verzí protokolu z roku 1988. Podrobnější informace o případných problémech s kompatibilitou různých verzí lze najít v ETS 300 009-1 Příloha ZA.
- 1.3 Reakce na příjem zprávy nebo parametru, který síť nepodporuje, je popsána v Q.714, bod 1.1.4
- 1.4 V soulase s ETS 300 009-1 se na rozhraní mezi sítěmi vždy předává parameter Global Title. Pro směrování mezi sítěmi v národní síti se používá vždy hodnota parametru Routing Indicator = 0 (Routing on Global Title). Jiné směrování vzhledem k existenci přechodové sítě (NI = 11) není možné.
- 1.5 Při použití protokolu SCCP pro podporu služby na rozhraní mezi sítěmi je třeba dohodnout použitou třídu služby.
- 1.6 Na rozhraní mezi národní a mezinárodní sítí platí mezinárodní doporučení ITU-T a případně normy ETSI tam, kde je to relevantní.

2 Seznam základních norem a doporučení

Oblast	Norma ETSI nebo doporučení ITU-T	Název normy ETSI nebo doporučení ITU-T	Poznámka
SCCP	ČSN ETS 300 009-1 ed.3 (87 7003) Schválena 1.10.1997 idt ETS 300 009-1 Third Edition September 1996	Digitální síť integrovaných služeb (ISDN). Signalizační systém č.7. Řídící část signalizačního spojení (SCCP) [v režimu bez spojení a se spojením ve třídě 2] podporující mezinárodní propojení. Část 1: Specifikace protokolu [Doporučení ITU-T Q.711 až Q.714 a Q.716 (1993), upravené]	1)
	Q.711 (03/93)	Signalling system No. 7 – Functional Description of the Signalling Connection Control Part	
	Q.712 (03/93)	Definition and Function of Signalling Connection Control Part Messages	
	Q.713 (03/93)	Signalling Connection Control Part Formats and Codes	
	Q.714 (03/93)	Signalling Connection Control Part Procedures	
	Q.716 (03/93)	Signalling Connection Control Part (SCCP) Performance	

Pozn.: 1) Norma ČSN ETS převzata schválením k přímému používání

3 Poznámky k normám a doporučením

Všeobecně

Rozlišení požadované závaznosti plnění paragrafů norem nebo doporučení, tj. povinná, volitelná, je odvozeno z mezinárodní normy IS 9646 a z doporučení ITU-T X.290 a výše.

Jestliže je některý parametr nebo indikátor označen jako povinný, ne všechny kódy tohoto parametru nebo indikátoru musí být povinně plněny.

Závaznost volitelné služby, vlastnosti nebo funkce je založena na vzájemné dohodě operátorů.

Zkratky pro stanovení závaznosti požadavku:

- NA neaplikovatelná
- nerelevantní nebo název nebo popisný text
- PPS povinná při poskytování dané služby

Vzhledem k tomu, že normy ČSN ETS byly přejaty schválením k přímému používání, jsou pro poznámky k technické části norem citovány normy ETS. V případě rozporů ve výkladu pojmů a požadavků platí originální text v anglickém jazyce.

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
ETS 300 009-1	Integrated Services Digital Network (ISDN) ; Signalling Connection Control Part (SCCP) (connectionless and connection-oriented class 2) to support international interconnection; Part 1: Protocol specification [ITU-T Recommendations Q.711 to Q.714 and Q. 716 (1993), modified]	Povinné při poskytování služby, která některou ze služeb (třídu služby) SCCP vyžaduje	
Q.711	Signalling system No. 7 – Functional Description of the Signalling Connection Control Part	-	
Q.711.1	Introduction	-	
Q.711.1.1	General	PPS	
Q.711.1.2	Objectives	PPS	
Q.711.1.3	General characteristics	-	
Q.711.1.3.1	Technique of description	PPS	
Q.711.1.3.2	Primitives	PPS	
Q.711.1.3.3	Peer-to-peer communication	PPS	
Q.711.1.3.4	Contents of the Q.71x-Series of Recommendations	PPS	
Q.711.2	Services provided by the SCCP	PPS	Class 3 se podle ETS 300 009-1 nepodporuje
Q.711.2.1	Connection-oriented services	PPS	
Q.711.2.1.1	Temporary signalling connections	-	
Q.711.2.1.1.1	Description	PPS	
Q.711.2.1.1.1.1	Connection establishment phase	PPS	
Q.711.2.1.1.1.2	Data transfer phase	PPS	
Q.711.2.1.1.1.3	Connection release phase	PPS	
Q.711.2.1.1.2	Network service primitives and parameters	-	
Q.711.2.1.1.2.1	Overview	PPS	
Q.711.2.1.1.2.2	Connection establishment phase	PPS	
Q.711.2.1.1.2.3	Data transfer phase	PPS	
Q.711.2.1.1.2.4	Release phase	PPS	
Q.711.2.1.1.3	Additional SCCP primitive and interface elements	PPS	
Q.711.2.1.1.3.1	Notice service	PPS	
Q.711.2.1.1.3.2	Connection establishment interface elements	PPS	
Q.711.2.1.2	Permanent signalling connections	-	
Q.711.2.1.2.1	Description	PPS	
Q.711.2.1.2.2	Primitives and parameters	PPS	
Q.711.2.2	Connectionless service	PPS	
Q.711.2.2.1	Description	PPS	
Q.711.2.2.2	Primitives and parameters of the connectionless service	-	
Q.711.2.2.2.1	Overview	PPS	
Q.711.2.2.2.2	Parameters	-	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
Q.711.2.2.2.2.1	Address	PPS	
Q.711.2.2.2.2.2	Sequence control	PPS	
Q.711.2.2.2.2.3	Return option	PPS	
Q.711.2.2.2.2.4	Reason for return	PPS	
Q.711.2.2.2.2.5	User data	PPS	
Q.711.2.2.2.3	Primitives	PPS	
Q.711.2.2.2.3.1	UNITDATA	PPS	
Q.711.2.2.2.3.2	NOTICE	PPS	
Q.711.2.3	SCCP management	-	
Q.711.2.3.1	Description	PPS	
Q.711.2.3.2	Primitives and parameters of the SCCP management	-	
Q.711.2.3.2.1	Overview	PPS	
Q.711.2.3.2.2	Parameters	-	
Q.711.2.3.2.2.1	Address	PPS	
Q.711.2.3.2.2.2	Affected subsystem	PPS	
Q.711.2.3.2.2.3	User status	PPS	
Q.711.2.3.2.2.4	Subsystem multiplicity indicator	PPS	
Q.711.2.3.2.2.5	Affected DPC	PPS	
Q.711.2.3.2.2.6	Signalling point status	PPS	
Q.711.2.3.2.2.7	Remote SCCP Status	PPS	
Q.711.2.3.2.3	Primitives	-	
Q.711.2.3.2.3.1	COORD	PPS	
Q.711.2.3.2.3.2	STATE	PPS	
Q.711.2.3.2.3.3	PCSTATE	PPS	
Q.711.3	Services assumed from the MTP	-	
Q.711.3.1	Description	PPS	
Q.711.3.2	Primitives and parameters	PPS	
Q.711.3.2.1	TRANSFER	PPS	
Q.711.3.2.2	PAUSE	PPS	
Q.711.3.2.3	RESUME	PPS	
Q.711.3.2.4	STATUS	PPS	
Q.711.3.2.5	MTP Restart	PPS	
Q.711.4	Functions provided by the SCCP	PPS	
Q.711.4.1	Connection – oriented functions	-	
Q.711.4.1.1	Functions for temporary signalling connections	-	
Q.711.4.1.1.1	Connection establishment functions	PPS	
Q.711.4.1.1.2	Data transfer phase function	PPS	
Q.711.4.1.1.3	Release phase functions	PPS	
Q.711.4.1.2	Functions for permanent signalling connections	-	
Q.711.4.1.2.1	Connection establishment phase and connection release phase functions	PPS	
Q.711.4.1.2.2	Data transfer phase functions	PPS	
Q.711.4.2	Connectionless service functions	PPS	
Q.711.4.3	Management functions	PPS	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
Q.711.4.4	Routing and translation functions (for further study)	PPS	Pro směrování mezi sítěmi v národní síti se používá vždy hodnota parametru Routing Indicator = 0 (Routing on Global Title)

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
ETS 300 009-1	Integrated Services Digital Network (ISDN) ; Signalling Connection Control Part (SCCP) (connectionless and connection-oriented class 2) to support international interconnection; Part 1: Protocol specification [ITU-T Recommendations Q.711 to Q.714 and Q. 716 (1993), modified]	Povinné při poskytování služby, která některou ze služeb (třídu služby) SCCP vyžaduje	
Q.712	Definition and Function of Signalling Connection Control Part Messages	-	
Q.712.1	Signalling connection control part messages (SCCP)	PPS	
Q.712.1.1	connection confirm (CC)	PPS	
Q.712.1.2	connection request (CR)	PPS	
Q.712.1.3	connection refused (CREF)	PPS	
Q.712.1.4	data acknowledgement (AK)	PPS	
Q.712.1.5	data form 1 (DT1)	PPS	
Q.712.1.6	data form 2 (DT2)	PPS	
Q.712.1.7	expedited data (ED)	PPS	
Q.712.1.8	expedited data acknowledgement (EA)	PPS	
Q.712.1.9	inactivity test (IT)	PPS	
Q.712.1.10	protocol data unit error (ERR)	PPS	
Q.712.1.11	released (RLSD)	PPS	
Q.712.1.12	release complete (RLC)	PPS	
Q.712.1.13	reset confirm (RSC)	PPS	
Q.712.1.14	reset request (RSR)	PPS	
Q.712.1.15	subsystem-allowed (SSA)	PPS	
Q.712.1.16	subsystem-out-of-service-grant (SOG)	PPS	
Q.712.1.17	subsystem-out-of-service-request (SOR)	PPS	
Q.712.1.18	subsystem-prohibited (SSP)	PPS	
Q.712.1.19	subsystem-status-test (SST)	PPS	
Q.712.1.20	unitdata (UDT)	PPS	
Q.712.1.21	unitdata service (UDTS)	PPS	
Q.712.1.22	extended unitdata (XUDT)	PPS	
Q.712.1.23	extended unitdata service (XUDTS)	PPS	
Q.712.2	SCCP parameter	-	
Q.712.2.1	affected point code	PPS	
Q.712.2.2	affected subsystem number	PPS	
Q.712.2.3	calling/called party address	PPS	
Q.712.2.4	credit	PPS	
Q.712.2.5	data	PPS	
Q.712.2.6	diagnostic	PPS	
Q.712.2.7	error cause	PPS	
Q.712.2.8	end of optional parameters	PPS	
Q.712.2.9	local reference number (source/destination)	PPS	
Q.712.2.10	protocol class	PPS	
Q.712.2.11	receive sequence number	PPS	
Q.712.2.12	refusal cause	PPS	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
Q.712.2.13	release cause	PPS	
Q.712.2.14	reset cause	PPS	
Q.712.2.15	return cause	PPS	
Q.712.2.16	segmenting/reassembling	PPS	
Q.712.2.17	sequencing/segmenting	PPS	
Q.712.2.18	subsystem multiplicity indicator	PPS	
Q.712.2.19	hop counter	PPS	
Q.712.2.20	segmentation	PPS	
Q.712.3	Inclusion of fields in the messages	PPS	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
ETS 300 009-1	Integrated Services Digital Network (ISDN) ; Signalling Connection Control Part (SCCP) (connectionless and connection-oriented class 2) to support international interconnection; Part 1: Protocol specification [ITU-T Recommendations Q.711 to Q.714 and Q. 716 (1993), modified]	Povinné při poskytování služby, která některou ze služeb (třídu služby) SCCP vyžaduje	
Q.713	Signalling Connection Control Part Formats and Codes	-	
Q.713.1	General	PPS	
Q.713.1.1	Routing label	PPS	
Q.713.1.2	Message type code	PPS	
Q.713.1.3	Formatting principles	PPS	
Q.713.1.4	Mandatory fixed part	PPS	
Q.713.1.5	Mandatory variable part	PPS	
Q.713.1.6	Optional part	PPS	
Q.713.1.7	End of optional parameters octet	PPS	
Q.713.1.8	Order of transmission	PPS	
Q.713.1.9	Coding of spare bits	PPS	
Q.713.1.10	National message types and parameters	PPS	
Q.713.2	Coding of the general parts	-	
Q.713.2.1	Coding of the message type	PPS	
Q.713.2.2	Coding of the length indicator	PPS	
Q.713.2.3	Coding of the pointers	PPS	
Q.713.3	SCCP parameters	PPS	
Q.713.3.1	End of optional parameters	PPS	
Q.713.3.2	Destination local reference	PPS	
Q.713.3.3	Source local reference	PPS	
Q.713.3.4	Called party address	PPS	
Q.713.3.4.1	Address indicator	PPS	
Q.713.3.4.2	Address	PPS	
Q.713.3.4.2.1	Signalling point code	PPS	
Q.713.3.4.2.2	Subsystem number	PPS	
Q.713.3.4.2.3	Global title	PPS	
Q.713.3.4.2.3.1	Global title indicator = 0001	NA	Podle ETS 300 009-1 se vyžaduje předávání parametru Global title na rozhraní mezi sítěmi
Q.713.3.4.2.3.2	Global title indicator = 0010	NA	Podle ETS 300 009-1 se vyžaduje předávání parametru Global title na rozhraní mezi sítěmi

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
Q.713.3.4.2.3.3	Global title indicator = 0011	NA	Podle ETS 300 009-1 se vyžaduje předávání parametru Global title na rozhraní mezi sítěmi
Q.713.3.4.2.3.4	Global title indicator = 0100	PPS	
Q.713.3.5	Calling party address	PPS	
Q.713.3.6	Protocol class	PPS	
Q.713.3.7	Segmenting/reassembling	PPS	
Q.713.3.8	Receive sequence number	PPS	
Q.713.3.9	Sequencing/segmenting	PPS	
Q.713.3.10	Credit	PPS	
Q.713.3.11	Release cause	PPS	
Q.713.3.12	Return cause	PPS	
Q.713.3.13	Reset cause	PPS	
Q.713.3.14	Error cause	PPS	
Q.713.3.15	Refusal cause	PPS	
Q.713.3.16	Data	PPS	
Q.713.3.17	Segmentation	PPS	
Q.713.3.18	Hop counter	PPS	
Q.713.4	SCCP messages and codes	-	
Q.713.4.1	General	-	
Q.713.4.2	Connection request (CR)	PPS	
Q.713.4.3	Connection confirm (CC)	PPS	
Q.713.4.4	Connection refused (CREF)	PPS	
Q.713.4.5	Released (RLSD)	PPS	
Q.713.4.6	Release complete (RLC)	PPS	
Q.713.4.7	Data form 1 (DT1)	PPS	
Q.713.4.8	Data form 2 (DT2)	PPS	
Q.713.4.9	Data acknowledgement (AK)	PPS	
Q.713.4.10	Unitdata (UDT)	PPS	
Q.713.4.11	Unitdata service (UDTS)	PPS	
Q.713.4.12	Expedited data (ED)	PPS	
Q.713.4.13	Expedited data acknowledgement (EA)	PPS	
Q.713.4.14	Reset request (RSR)	PPS	
Q.713.4.15	Reset confirmation (RSC)	PPS	
Q.713.4.16	Protocol data unit error (ERR)	PPS	
Q.713.4.17	Inactivity test (IT)	PPS	
Q.713.4.18	Extended unitdata (XUDT)	PPS	
Q.713.4.19	Extended unitdata service (XUDTS)	PPS	
Q.713.5	SCCP Management messages and codes	-	
Q.713.5.1	General	PPS	
Q.713.5.1.1	SCMG format identifier	PPS	
Q.713.5.1.2	Formatting principles	PPS	
Q.713.5.2	SCMG message parameters	PPS	
Q.713.5.2.1	End of optional parameters	PPS	
Q.713.5.2.2	Affected SSN	PPS	
Q.713.5.2.3	Affected PC	PPS	
Q.713.5.2.4	Subsystem multiplicity indicator (for further study)	PPS	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
Q.713.5.3	SCMG messages	PPS	
Q.713 Annex A	Mapping for cause parameter value	PPS	
Q.713 A1	Introduction	PPS	
Q.713 A2	Connection refusal	PPS	
Q.713 A3	Connection release	PPS	
Q.713 A4	Connection reset	PPS	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
ETS 300 009-1	Integrated Services Digital Network (ISDN) ; Signalling Connection Control Part (SCCP) (connectionless and connection-oriented class 2) to support international interconnection; Part 1: Protocol specification [ITU-T Recommendations Q.711 to Q.714 and Q. 716 (1993), modified]	Povinné při poskytování služby, která některou ze služeb (třídu služby) SCCP vyžaduje	
Q.714	Signalling Connection Control Part Procedures	-	
Q.714.1	Introduction	-	
Q.714.1.1	General characteristics of signalling connection control procedures	-	
Q.714.1.1.1	Purpose	PPS	
Q.714.1.1.2	Protocol classes	PPS	Class 3 se podle ETS 300 009-1 nepodporuje
Q.714.1.1.2.1	Protocol class 0	PPS	
Q.714.1.1.2.2	Protocol class 1	PPS	
Q.714.1.1.2.3	Protocol class 2	PPS	
Q.714.1.1.2.4	Protocol class 3	PPS	Class 3 se podle ETS 300 009-1 nepodporuje
Q.714.1.1.3	Signalling connections	PPS	
Q.714.1.1.4	Compatibility and handling of unrecognized information	-	
Q.714.1.1.4.1	Rules for forward compatibility	PPS	
Q.714.1.1.4.2	Handling of unrecognized messages or parameters	PPS	
Q.714.1.2	-	PPS	
Q.714.1.2.1	Connection establishment	PPS	
Q.714.1.2.2	Data transfer	PPS	
Q.714.1.2.3	Connection release	PPS	
Q.714.1.3	Overview of procedures for connectionless services	-	
Q.714.1.3.1	General	PPS	
Q.714.1.3.2	Segmentation/reassembly	PPS	
Q.714.1.4	Structure of the SCCP and contents of specification	PPS	
Q.714.2	Addressing and routing	-	
Q.714.2.1	SCCP addressing	PPS	
Q.714.2.2	SCCP routing principles	PPS	
Q.714.2.2.1	Receipt of SCCP messages transferred by a MTP	PPS	
Q.714.2.2.2	Messages from connection-oriented or connectionless control to SCCP routing control	PPS	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
Q.714.2.2.2.1	DPC present	PPS	
Q.714.2.2.2.2	DPC not present	PPS	
Q.714.2.3	SCCP routing	PPS	
Q.714.2.3.1	Receipt of SCCP messages transferred by the MTP	PPS	
Q.714.2.3.2	Messages from connectionless or connection-oriented control to SCCP routing control	PPS	
Q.714.2.4	Routing failures	PPS	
Q.714.3	Connection-oriented procedures	-	
Q.714.3.1	Connection establishment	-	
Q.714.3.1.1	General	PPS	
Q.714.3.1.2	Local reference numbers	PPS	
Q.714.3.1.3	Negotiation procedures	-	
Q.714.3.1.3.1	Protocol class negotiation	PPS	
Q.714.3.1.3.2	Flow control credit negotiation	PPS	
Q.714.3.1.4	Actions at the origination node	-	
Q.714.3.1.4.1	Initial actions	PPS	
Q.714.3.1.4.2	Subsequent actions	PPS	
Q.714.3.1.5	Actions at an intermediate node	-	
Q.714.3.1.5.1	Initial actions	PPS	
Q.714.3.1.5.2	Subsequent actions	PPS	
Q.714.3.1.6	Actions at the destination node	-	
Q.714.3.1.6.1	Initial actions	PPS	
Q.714.3.1.6.2	Subsequent actions	PPS	
Q.714.3.2	Connection refusal	PPS	
Q.714.3.2.1	Actions at node initiating connection refusal	PPS	
Q.714.3.2.2	Actions at intermediate node initiating connection refusal	PPS	
Q.714.3.2.3	Actions at the origination node not initiating connection refusal	PPS	
Q.714.3.3	Connection release	-	
Q.714.3.3.1	General	PPS	
Q.714.3.3.2	Frozen reference	PPS	
Q.714.3.3.3	Actions at an end node initiating connection release	-	
Q.714.3.3.3.1	Initial actions	PPS	
Q.714.3.3.3.2	Subsequent actions	PPS	
Q.714.3.3.4	Actions at intermediate node	PPS	
Q.714.3.3.4.1	Initial actions	PPS	
Q.714.3.3.4.2	Subsequent actions	PPS	
Q.714.3.3.5	Actions at an end node not initiating connection release	PPS	
Q.714.3.4	Inactivity control	PPS	
Q.714.3.5	Data transfer	-	
Q.714.3.5.1	General	PPS	
Q.714.3.5.1.1	Actions at the origination node	PPS	
Q.714.3.5.1.2	Actions at the intermediate node	PPS	
Q.714.3.5.1.3	Actions at the destination node	PPS	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
Q.714.3.5.2	Flow control	-	
Q.714.3.5.2.1	General	PPS	
Q.714.3.5.2.2	Sequence numbering	PPS	
Q.714.3.5.2.3	Flow control window	PPS	
Q.714.3.5.2.4	Flow control procedures	-	
Q.714.3.5.2.4.1	Transfer of Data messages	PPS	
Q.714.3.5.2.4.2	Transfer of Data Acknowledgement messages	PPS	
Q.714.3.5.2.4.3	Reception of a Data or Data Acknowledgement messages	PPS	
Q.714.3.5.3	Segmenting and reassembly	PPS	
Q.714.3.6	Expedited data transfer	-	
Q.714.3.6.1	General	PPS	
Q.714.3.6.2	Actions at the originating node	PPS	
Q.714.3.6.3	Actions at intermediate node	PPS	
Q.714.3.6.4	Actions at destination node	PPS	
Q.714.3.7	Reset	-	
Q.714.3.7.1	General	PPS	
Q.714.3.7.2	Action at the initiating node	-	
Q.714.3.7.2.1	Initial actions	PPS	
Q.714.3.7.2.2	Subsequent actions	PPS	
Q.714.3.7.3	Actions at the intermediate node	-	
Q.714.3.7.3.1	Initial actions	PPS	
Q.714.3.7.3.2	Subsequent actions	PPS	
Q.714.3.7.4	Action at the destination node	PPS	
Q.714.3.7.5	Handling of messages during the reset procedures	PPS	
Q.714.3.8	Restart	-	
Q.714.3.8.1	General	PPS	
Q.714.3.8.2	Actions at the recovered node	-	
Q.714.3.8.2.1	Initial actions	PPS	
Q.714.3.8.2.2	Subsequent actions	PPS	
Q.714.3.8.3	Actions at the non-failed far end node	PPS	
Q.714.3.9	Permanent signalling connections	PPS	
Q.714.3.10	Abnormalities	-	
Q.714.3.10.1	General	PPS	
Q.714.3.10.2	Action tables	PPS	
Q.714.3.10.3	Actions upon the reception of an ERR message	PPS	
Q.714.4	Connectionless procedures	PPS	
Q.714.4.1	Data transfer	PPS	
Q.714.4.1.1	Segmentation/reassembly	-	
Q.714.4.1.1.1	Segmentation	-	
Q.714.4.1.1.1.1	General	PPS	
Q.714.4.1.1.1.2	Normal procedures	PPS	
Q.714.4.1.1.1.3	Return on error procedures	PPS	
Q.714.4.1.1.2	Reassembly	-	
Q.714.4.1.1.2.1	General	PPS	
Q.714.4.1.1.2.2	Normal procedures	PPS	
Q.714.4.1.1.2.3	Return on error procedures	PPS	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
Q.714.4.2	Message return	PPS	
Q.714.4.3	Syntax error	PPS	
Q.714.5	SCCP management procedures	-	
Q.714.5.1	General	PPS	
Q.714.5.2	Signalling point status management	-	
Q.714.5.2.1	General	PPS	
Q.714.5.2.2	Signalling point prohibited	PPS	
Q.714.5.2.3	Signalling point allowed	PPS	
Q.714.5.2.4	Signalling point congested	PPS	
Q.714.5.2.5	Local MTP availability	PPS	
Q.714.5.3	Subsystem status management	-	
Q.714.5.3.1	General	PPS	
Q.714.5.3.2	Subsystem prohibited	PPS	
Q.714.5.3.2.1	Receipt of message for a prohibited subsystem (response method)	PPS	
Q.714.5.3.2.2	Receipt of Subsystem- Prohibited message or N-STATE request primitive or local user failed	PPS	
Q.714.5.3.3	Subsystem allowed	PPS	
Q.714.5.3.4	Subsystem status test	-	
Q.714.5.3.4.1	General	PPS	
Q.714.5.3.4.2	Action at the initiating node	PPS	
Q.714.5.3.4.3	Actions at the receiving node	PPS	
Q.714.5.3.5	Coordinated state change	-	
Q.714.5.3.5.1	General	PPS	
Q.714.5.3.5.2	Actions at the requesting node	PPS	
Q.714.5.3.5.3	Actions at the requested node	PPS	
Q.714.5.3.6	Local broadcast	-	
Q.714.5.3.6.1	General	PPS	
Q.714.5.3.6.2	User-out-of-service	PPS	
Q.714.5.3.6.3	User-in-service	PPS	
Q.714.5.3.6.4	Signalling point inaccessible	PPS	
Q.714.5.3.6.5	Signalling point remote SCCP accessible	PPS	
Q.714.5.3.6.6	Signalling point congested	PPS	
Q.714.5.3.7	Broadcast	-	
Q.714.5.3.7.1	General	PPS	
Q.714.5.3.7.2	Subsystem prohibited	PPS	
Q.714.5.3.7.3	Subsystem allowed	PPS	
Q.714.5.4	MTP/SCMG restart	PPS	
Q.714 Annex A	State diagrams for the signalling connection control part of Signalling System No. 7	PPS	
Q.714 A1	Introduction	PPS	
Q.714 A2	Symbol definition of the state diagrams at the message interface	PPS	
Q.714 A3	Order definition of the state diagrams	PPS	
Q.714 Annex B	Action tables for the signalling connection control part of Signalling System No. 7	PPS	
Q.714 B1	Introduction	PPS	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
Q.714 B2	Symbol definition of the action tables	PPS	
Q.714 B3	Table of contents	PPS	
Q.714 Annex C	State transition diagrams (STD) for the signalling connection control part of Signalling System No. 7	PPS	
Q.714 C1	General	PPS	
Q.714 C2	Drafting conventions	PPS	
Q.714 C3	Figures	PPS	
Q.714 C4	Abbreviations and timers	PPS	
Q.714 Annex D	State transition diagrams (STD) for SCCP management control	PPS	
Q.714 D1	General	PPS	
Q.714 D2	Drafting conventions	PPS	
Q.714 D3	Figures	PPS	
Q.714 D4	Abbreviations and timers	PPS	
Q.714 Annex E	Guidelines for the use the address information elements in the international network	PPS	

Paragraf normy nebo doporučení	Název	Závaznost	Poznámka
ETS 300 009-1	Integrated Services Digital Network (ISDN) ; Signalling Connection Control Part (SCCP) (connectionless and connection-oriented class 2) to support international interconnection; Part 1: Protocol specification [ITU-T Recommendations Q.711 to Q.714 and Q. 716 (1993), modified]	Povinné při poskytování služby, která některou ze služeb (třídu služby) SCCP vyžaduje	
Q.716	Signalling Connection Control Part (SCCP) Performance	-	
Q.716.1	General	-	
Q.716.1.1	Overview	PPS	
Q.716.1.2	Definitions	PPS	
Q.716.2	Definition of performance parameters	PPS	
Q.716.2.1	Performance parameter definitions for the connectionless classes	-	
Q.716.2.1.1	Quality of service parameters	PPS	
Q.716.2.1.2	Internal parameters	PPS	
Q.716.2.2	Performance parameter definitions for the connection oriented classes	-	
Q.716.2.2.1	Quality of service parameters	PPS	
Q.716.2.2.2	Internal parameters	PPS	
Q.716.2.3	Correspondence between the QOS parameters and the class	PPS	
Q.716.3	Specified values for internal parameters	-	
Q.716.3.1	Internal parameters for classes 0 and 1	-	
Q.716.3.1.1	Transit time of a UDT message in a relay point	PPS	
Q.716.3.1.2	Unavailability of a relay point	PPS	
Q.716.3.2	Internal parameters for classes 2 and 3	-	
Q.716.3.2.1	Transit time of a CR message at a relay point without coupling	PPS	
Q.716.3.2.2	Transit time of a CR message in a relay point with coupling	PPS	
Q.716.3.2.3	Transit time of a CC message in a relay point with coupling	PPS	
Q.716.3.2.4	Transit time of a DT message in a relay point with coupling	PPS	
Q.716.3.2.5	Unavailability of a relay point without coupling	PPS	
Q.716.3.2.6	Unavailability of a relay point with coupling	PPS	
Q.716.4	Influence of new SS No. 7 applications	PPS	