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Uo Interface for ISDN Basic Access

Účel:

Dokument začleňuje stávající vnitřní technický normativ společnosti (viz příloha) do nového jednotného systému správy řídicích dokumentů společnosti Telefónica O2 Czech Republic, a.s.

Působnost:

Působnosti, odpovědnosti a pravomoci se podle zásad původního technického normativu přenášejí na věcně příslušné odpovídající organizační složky společnosti Telefónica O2 Czech Republic, a.s.

Proces:

Provozní podpora

Neřízený výtisk

Telefónica O2 Czech Republic, a.s.

IČ: 60193336

společnost zapsaná v obchodním rejstříku vedeném Městským soudem v Praze, oddíl B, ložka 2322 se sídlem: Za Brumlovkou 266/2, 140 22 Praha 4 – Michle, Česká republika

Tento dokument je považován za vlastnictví společnosti a může být užíván výhradně příslušnými zaměstnanci společnosti pro vnitřní potřebu a k určenému účelu.

1. Úvodní ustanovení

1.1. Účel

Tento dokument se vydává z důvodu začlenění stávajícího vnitřního technického normativu společnosti jako platného dokumentu do nového jednotného systému správy řídicích dokumentů společnosti Telefónica O2 Czech Republic, a.s. podle směrnice M832.SM0001 Řídicí dokumenty (Managing Documents).

1.2. Působnost, odpovědnosti a pravomoci

TECHNICAL SPECIFICATION
TSPE 2084

U₀ INTERFACE
FOR ISDN BASIC ACCESS

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Approved: 24. 8. 2004

1. Initial provisions

1.1. Scope

The purpose of this document is to specify characteristics of interfaces to be used between AN and TEs on one side and between AN and SNs (LE, LL, DN, ...) on the other side, in the access network of ČESKÝ TELECOM, a.s.

1.2. Validity and obligation

The document is according to the valid company regulation documents of ČESKÝ TELECOM, a.s. obligatory for NU - ND and is to be considered a valid recommendation within the entire company ČESKÝ TELECOM, a.s. It is valid from the date of approval (see the first page).

1.3. References

The document replaces TPK 2027A "UNI AND SNI INTERFACES OF TRANSMISSION EQUIPMENT FOR ACCESS NETWORK" - part 3.7 (ČESKÝ TELECOM, a.s. - 10.3.1999)

Other related documents:

ITU-T Q.512	Exchange interface for subscriber access; 1989
ITU-T Q.522	Transmission characteristics at 2-wire analogue interfaces of digital exchange; 1988
ITU-T I.411	ISDN user-network interfaces-reference configurations; 1988
ITU-T I.430	Basic user-network interface layer 1 specification; 1988
ITU-T I.431	Primary Rate User-Network Interface Layer 1 Specification; 1988
ITU-T G.703	Physical/Electrical characteristics of hierarchical digital interfaces; 1988
ITU-T G.704	Synchronous frame structures used at primary and secondary hierarchical level; 1988
ITU-T G.706	Frame alignment and cyclic redundancy check (CRC) procedures relating to basic frame structures defined in recommendation G.704; 1988
ITU-T G.712	Transmission performance characteristics of pulse code modulation; 1992
ITU-T X.21	Interface between Data Terminal Equipment and Data Circuit Terminating Equipment for synchronous operation on Public Data Networks; 1992
ITU-T G.823	The control of jitter and wander within digital networks which are based on the 2048 kbit/s hierarchy; 1993
ETS 300 001	Attachments to Public Switched Telephone Network (PSTN); General technical requirements for equipment connected to an analogue subscriber interface in the PSTN; 1992
ETS 300 011	Integrated Services Digital Network; Primary rate user-network interface Layer 1 specification and test principles; 1992
ETS 300 011/A1	Integrated Services Digital Network; Primary rate user-network interface Layer 1 specification and test

2. ACCESS NETWORK INTERFACES

The following *Figure 1* describes the generic structure of an ANE.

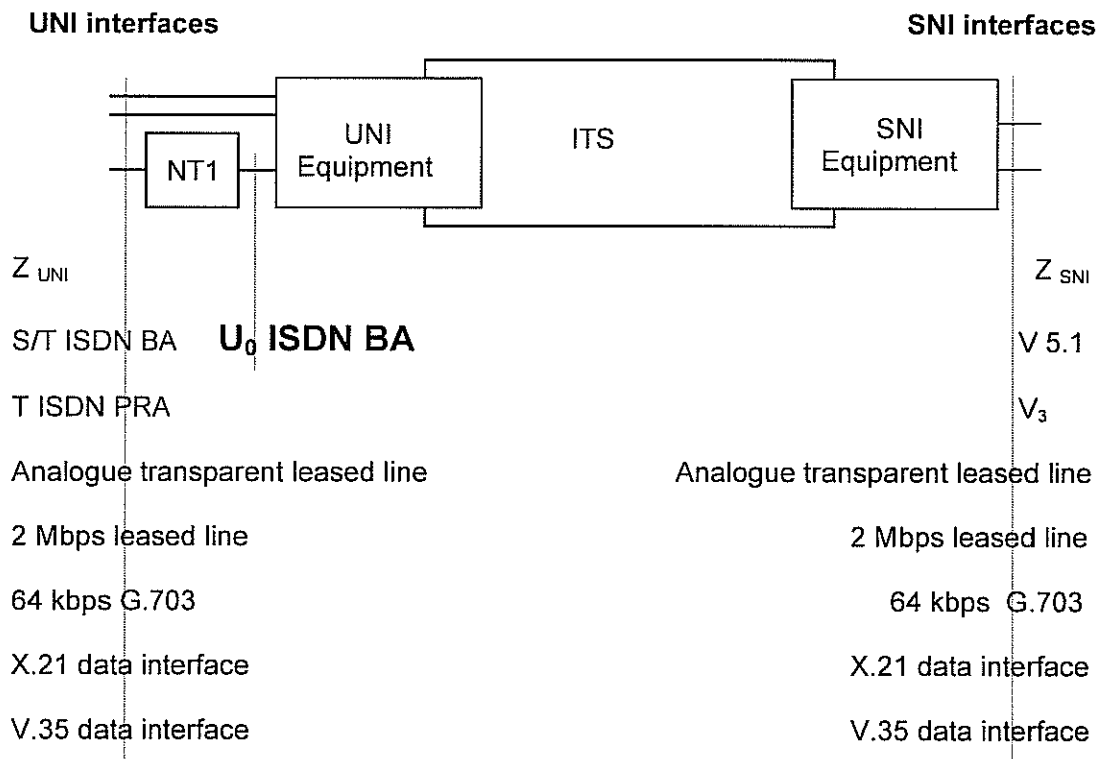


Figure 1: Generic structure of ANE

3.9. ETR 080, clause 8.2.3

Power feeding of the UNI

Power feeding of the UNI shall satisfy ETS 300 012. Power Source 1 normal and restricted mode.

Power Source 1 Normal mode	4.4 W
Power Source 1 Restricted mode	420 mW
Power Sink 2	Not applicable
Power Sink 3	Not applicable

3.10. ETR 080, clause 8.3

DLL Resistance

DLL Resistance shall be up to 1200 Ω.

3.11. ETR 080, clause 8.5.1

Feeding voltage from the LT

Nominal voltages in the range 3: 91 to 99 V.

The LT Power Source is of low resistance („voltage source“).

The relation with ground may be fixed or floating.

3.12. ETR 080, clause 8.6.1

Power requirements of NT1

As indicated in ETR 080, with the addition of:

Deactivated state, restricted mode (with powering of the UNI): up to 200 mW (U interface side).

3.13. ETR 080, clause 8.6.3

Feeding voltage of NT1

The NT1 shall be fully operational at an input voltage between 28 VDC and 99 VDC either polarity under both normal and restricted mode.

3.14. ETR 080, clause A.8.3.2.10

Network Indicator Bit (NIB) for network use

Not required. NIB = 1 (fixed value).

3.22. ETR 080, clause I.6**S/T Interface - Activity - Indicator (SAI) Bit**

SAI bit is required:

SAI = 1 (there is activity INFO1, INFO3).

SAI = 0 (there is no activity)

3.23. ETR 080, clause I.7**Alarm Indicator Bit (AIB)**

Not required: AIB = 1 (fixed value).

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Applicant: Ing. Jiří Kánský (NU - ND1)

Draft by: Ing. Martin Parolek (NU - ND1.1)

Approved by: Ing. Martin Škop, Network Development Director

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