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# Tehnička specifikacija sučelja javne telekomunikacijske mreže Iskon Internet d.d.

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## **Tehnička specifikacija sučelja nepokretne telekomunikacijske mreže Iskon Internet d.d.**

Ovaj dokument sadrži tehnički opis sučelja nepokretne telekomunikacijske mreže Iskon Internet d.d.

### Fizička sučelja govorne platforme:

#### **STM1:**

Sučelje: optičko 155 Mb/s mono mode 1300 nm duplex SC-PC

Podržani standardi:

- ITU G.707
- ITU G.783
- ITU G.841
- ITU G.704
- ITU G.706
- ITU G.732

#### **Ethernet – IEEE 802.3:**

Sučelje: RJ-45, 100 Base T

Podržani standardi:

- RFC 791 (IPV4)
- RFC 768 (UDP)
- RFC 1889 (RTP)

#### **E1 / ISDN PRI:**

Sučelje: RJ-45, 120 ohma balansirani i 75 ohma u simetričnom paru

Signalni protokol: EuroDSS1 (NET5)

Podržani standardi:

- ITU G.703
- ITU G.704
- ITU G.706
- ITU G.732
- ITU G.823

#### **ISDN BRI:**

Sučelje: RJ-45

Signalni protokol: EuroDSS1 (NET3)

### Protokoli:

#### **SS7 protokol:**

Podržani standardi:

- Message Transfer Part (MTP): ITU Q.701- Q.704, Q.706, Q.707
- Telephone User Part (TUP): ITU Q.721 - Q.725
- ISDN User Part (ISUP): ITU Q.761 - Q.764

Standardi dodatnih usluga:



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- ETSI EN 300 356-3: Calling Line Identification Presentation (CLIP) supplementary service.
- ETSI EN 300 356-4: Calling Line Identification Restriction (CLIR) supplementary service.
- ETSI EN 300 356-5: Connected Line Identification Presentation (COLP).
- ETSI EN 300 356-6: Connected Line Identification Restriction (COLR).
- ETSI EN 300 356-8: User-to-User Signaling (UUS) supplementary service.
- ETSI EN 300 356-10: Sub addressing (SUB) supplementary service.
- ETSI EN 300 356-12: Conference Call, add-on (CONF) supplementary service.
- ETSI EN 300 356-14: Explicit Call Transfer (ECT) supplementary service.
- ETSI EN 300 356-15: Diversion supplementary service.
- ETSI EN 300 356-16: Call Hold (HOLD) supplementary service.
- ETSI EN 300 356-17: Call Waiting (CW) supplementary service.
- ETSI EN 300 356-19: Three-Party (3PTY) supplementary service.
- ETSI EN 300 356-21: Anonymous Call Rejection (ACR) supplementary service.
- ETSI ETS 300 360: Signaling interworking specification for ISDN User Part (ISUP) version 2.
- ETSI EN 300 368: Explicit Call Transfer (ECT) supplementary service.

#### **ISDN PRI:**

ISDN PRI usluge podliježu standardima:

- ETSI ETS 300 011-1
- ETS 300 125
- ETS 300 102-1
- ETS 300 156
- EN 300 052-1 i EN 300 403-1

#### **SIP:**

Podržani standardi:

- IETF RFC 3261 Core SIP
- IETF RFC 2327 SDP Session Description Protocol
- IETF RFC 3264 An Offer/Answer model with SDP
- IETF RFC 2833 RTP Payload for DTMF Digits
- IETF RFC 2976 SIP INFO method
- IETF RFC 3262 Reliability of Provisional Responses in SIP
- IETF RFC 3311 The SIP UPDATE Method
- IETF RFC 3204 MIME media types for ISUP and QSIG Objects
- IETF RFC 3372 Session Initiation Protocol for Telephones (SIP-T): Context and Architectures
- IETF RFC 3398 ISDN User Part (ISUP) to SIP Mapping
- IETF RFC 3581 An Extension to the Session Initiation Protocol (SIP) for Symmetric Response Routing

#### **MGCP:**

Podržani standardi:

- IETF RFC 2705 i RFC 3435 Media Gateway Control Protocol (MGCP) Version 1.0.
- IETF RFC 2327 SDP Session Description Protocol
- IETF RFC 2833 RTP Payload for DTM Digits
- IETF RFC 3149 MGCP Business Phone Package