



TELENOR **S**PECIFICATION

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Specification of the network's handling of number information, Basic Access (BA)

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Telenor
N-1331 Fornebu, Norway
Telephone: +47 810 77 000

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1 Scope

This document is applicable to Ericsson AXE AS20 and Alcatel S12 NP5. The document gives an overview of how the network handles number information related to reception and sending of calling and called party numbers. In addition to ISDN Basic Access (BA), this specification also is valid for ISDN Primary Rate Access (PRA).

In no event shall Telenor be liable to other parties for any direct, indirect, special, incidental, or consequential damages resulting from errors or defects in these specifications.

2 References

- (1): Telenor Nett Specification A41-3, "Specification of the network side of the user-network interface for ISDN Basic Access (BA); network layer (layer 3)".
- (2): Telenor Nett Specification A42-3, "Specification of the network side of the user-network interface for ISDN Primary Rate Access (PRA); network layer (layer 3)".
- (3): Telenor Nett Specification A44-3, "ETSI standardised supplementary services supported in the public ISDN of Telenor; Basic Access (BA) and Primary Rate Access (PRA)".
- (4): ETS 300 092: "Integrated Services Digital Network (ISDN); Calling Line identification Presentation supplementary services" (DSS1).
- (5): ETS 300 356-3: "Integrated Services Digital Network (ISDN); Calling Line identification Presentation supplementary services" (ISUP).

3 Definitions and abbreviations

BK	Virtual private network based upon Business Communication Group
CC	Country code
CLIP	Calling Line Identification Presentation
CLIP-A	Calling Line Identification Presentation Analogue
DSS1	Digital Signalling System No. 1
E	Escape digit (usually '0')
ISUP	ISDN user part of signalling system No. 7
NA	Nature of Address
NPI	Number Plan Indication
TON	Type Of Number
VIN	Virtual private network with IN support
VPN	Virtual Private Network

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4 General - Handling of called and calling number

The following sections show the handling of the called and calling party number information received from the user and sent by the network to the user. The scenarios show the different access terminations. The figures do not give all the details related to coding of e.g. "Screening -" and "Presentation" indicators. These can be found in relevant supplementary services specifications.

Mapping of the user provided calling party number from DSS1 to ISUP is only performed when screening is successful. The network supports the special arrangement option, which allows unscreened numbers to be transported by the network and presented to terminating users.

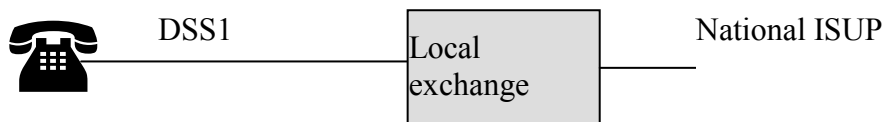
Note that other combinations of NPI and TON than those mentioned in the figures below, may be regarded as not valid.

5 Handling of Called party number

5.1 Originating side

In the following figures, the coding marked with an "*" shows the preferred coding. The other combinations indicate other acceptable alternatives.

5.1.1 Normal subscriber



	NPI	TON	DIGITS	NPI	NA	DIGITS
a) Public national call	*E.164 or unknown	*National	abcdefgh	E.164	National	abcdefgh
		Unknown	-----"			
		International	47abcdefgh			
b) Public call by use of prefix, e.g. Carrier selection	*E.164 or unknown	Unknown	1xyyyyyy	E.164	National	1xyyyyyy
		*National	1xyyyyyy			
c) Public international Call	*E.164 or unknown	*International	CCnnnnnn	E.164	International	CCnnnnnn
		*Unknown	00CCnnnnnn			
		International	00CCnnnnnn			

5.1.2 ISPBX, not member of a VPN

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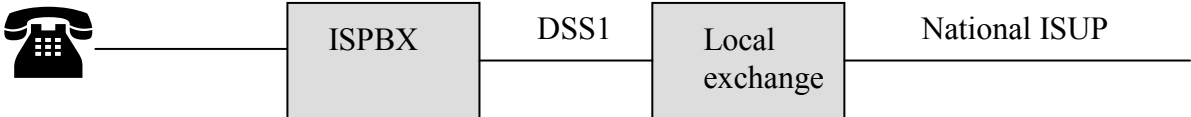
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	DIGITS	NPI	TON	DIGITS	NPI	NA	DIGITS
a) Public national call	Eabcdefgh	*E.164 or unknown	*National	abcdefgh	E.164	National	abcdefgh
			Unknown	abcdefgh			
			International	47abcdefgh			
b) Public call by use of prefix, e.g. Carrier selection			Unknown	1xyyyyyy	E.164	National	1xyyyyyy
			National	1xyyyyyy			
c) Public international call	E00CCnnnnnn	*E.164 or unknown	*International	CCnnnnnn	E.164	International	CCnnnnnn
			*Unknown	00CCnnnnnn			
			International	00CCnnnnnn			

5.1.3 ISPBX, member of a VPN connected as BK



	DIGITS	NPI Note 2	TON Note 2	DIGITS	NPI	NA	DIGITS
a) Public national call	Eabcdefgh	Any defined value	Any defined value	Eabcdefgh	E.164	National	abcdefgh
b) Public call by use of prefix, e.g. Carrier selection	E1xyyyyy	Any defined value	Any defined value	E1xyyyyy	E.164	National	1xyyyyy
c) Public international call	E00CCnnnnnn	Any defined value	Any defined value	E00CCnnnnnn	E.164	International	CCnnnnnn
d) Call within VPN	ppp	Any defined value	Any defined value	ppp	E.164	National	abcdefgh
					(sent in Called party no. par.) Note1		
					PNP	Unknown	ppp
					(sent in Generic no. par.)		

Note 1: The E.164 routing number is derived from the received PNP number, translated in the originating local exchange (or IN-based)

Note 2: The figure above assumes that the network disregards any NPI value and any TON value indicated by the calling user. The network's interpretation of the received called party number information is dependent on the receipt of an Escape digit in order to discriminate between VPN calls and calls outside the VPN. NPI = E.164 or Unknown is preferred. TON=Unknown is preferred.

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5.1.4 ISPBX, member of a VPN (VIN) connected as a public user



	DIGITS	NPI	TON	DIGITS	NPI	NA	DIGITS
a) Public national call	Eabcdefgh	E.164 or unknown	National or unknown	abcdefgh	E.164	National	abcdefgh
b) Public call by use of prefix, e.g. Carrier selection	E1xyyyyy	E.164 or unknown	National or unknown	1xyyyyy	E.164	National	1xyyyyy
c) Public international call	E00CCnnnnnn	E.164 or unknown	Unknown	00CCnnnnnn	E.164	International	CCnnnnnn
			Inter-national	CCnnnnnn			
d) Call within VPN	ppp	E.164 or unknown	National or unknown	19610+ppp	E.164	National	19610+ppp

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5.1.5 CENTREX



	NPI Note 2	TON Note 2	DIGITS	NPI	NA	DIGITS
a) Public national call	Any defined value	Any defined value	Eabcdefgh	E.164	National	abcdefgh
b) Public call by use of prefix, e.g. Carrier selection	Any defined value	Any defined value	E1xyyyyy	E.164	National	1xyyyyy
c) Public international Call	Any defined value	Any defined value	E00CCnnnnnn	E.164	International	CCnnnnnn
d) Call within PNP	Any defined value	Any defined value	ppp	E.164	National	abcdefgh
				(sent in Called party no. par.) Note 1		
				PNP	Unknown	ppp
				(sent in Generic no. par.)		

Note 1: Derived E.164 routing number based upon the dialled PNP number

Note 2: The figure above assumes that the network disregards any NPI value and any TON value indicated by the calling user. The network's interpretation of the received called party number information is dependent on the receipt of an Escape digit in order to discriminate between VPN calls and calls outside the VPN. NPI = 'E.164' or 'Unknown' is preferred. TON='Unknown' is preferred.

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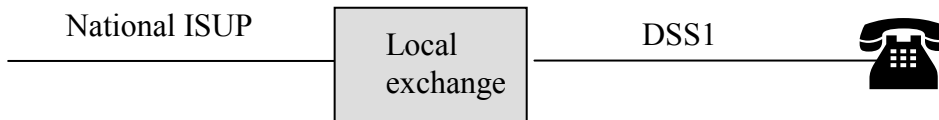
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5.2 Terminating side

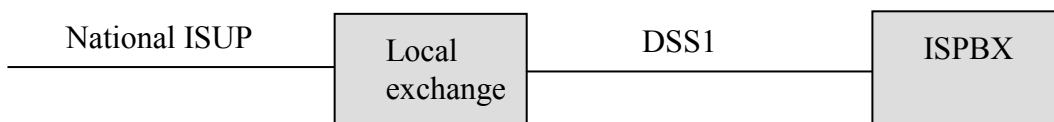
5.2.1 Public ISDN subscriber, including the MSN service



Note 1	NPI	NA	DIGITS	NPI	TON	DIGITS
Public incoming calls	E.164	National	abcdefgh	E.164	National	abcdefgh

Note 1: Applies to national and international calls.

5.2.2 ISPBX, including the DDI service - not member of a VPN



Note 1	NPI	NA	DIGITS	NPI	TON	DIGITS
Public 1) incoming call	E.164	National	abcdefgh	E.164	National	abcdefgh

Note 1: Applies to national and international calls.

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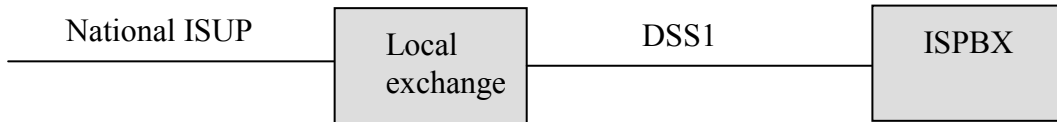
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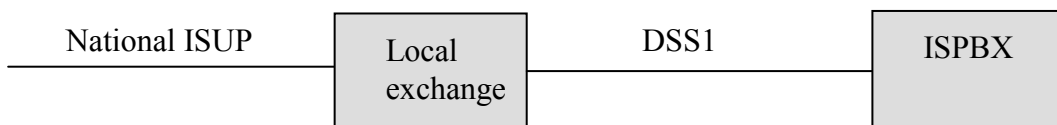
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5.2.3 ISPBX, including DDI subscriber - member of a VPN connected as BK



	NPI	NA	DIGITS	NPI	TON	DIGITS
a) Public incoming call (national and international)	E.164	National	abcdefgh	E.164	National	abcdefgh
b) Incoming VPN call (within the same VPN)	E.164	National	abcdefgh			
	in Called party number parameter					
	PNP	Unknown	ppp	PNP	Unknown	ppp
	(in Generic number parameter)					

5.2.4 ISPBX, including DDI subscriber - member of a VPN (VIN) connected as a public user



	NPI	NA	DIGITS	NPI	TON	DIGITS
a) Public incoming call (national and international)	E.164	National	abcdefgh	E.164	National	abcdefgh
b) Incoming VPN call (within the same VPN)	E.164	National	abcdefgh	E.164	National	abcdefgh

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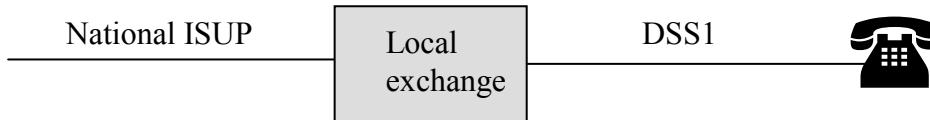
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5.2.5 CENTREX



	NPI	NA	DIGITS	NPI	TON	DIGITS
a) Normal incoming call (national and international)	E.164	National	abcdefgh	PNP	Unknown	ppp Note 1
b) Incoming VPN call (within the same VPN)	E.164	National	abcdefgh in Called party number parameter			
	PNP	Unknown	ppp (in Generic number parameter)	PNP	Unknown	ppp

Note 1: The E.164 called party number received by the terminating exchange is converted to the PNP number.

Applicable for S12 only:

Conversion only for speech type of call. For calls with Transfer Mode in Bearer Capability (BC) set to Packet mode, the call is set up using the E.164 number.

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6 Handling of Calling party number

6.1 Originating side

In the following figures, the coding marked with an "*" shows the preferred coding. The other combinations indicate other acceptable alternatives.

SCREENING:

Applicable for S12:

NPI is screened as follows:

- If E.164 is included as NPI the digits are screened as a public A-number
- If Unknown is included as NPI the digits are screened as a public A-number
- Only applicable to accesses that are members of VPN, BK
 - a) If PNP is indicated as NPI the digits are screened against the PNP-numbers linked to that access.
 - b) If Unknown is indicated as NPI the digits are screened against the E.164-numbers linked to that access. If this screening fails, the digits are screened against the PNP-numbers linked to that access.
- Other NPI values are treated as not valid

Digits:

If the digits received are not valid according to criteria above, screening fails and the received digits are replaced by the default access number.

The output from screening is:

Public numbers:

- TON always National
- Digits: National number
- NPI: E.164

Private numbers:

- TON always Unknown
- Digits: Private number
- NPI: PNP

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Applicable for AXE:

NPI is screened as follows:

- If E.164 is included as NPI the digits are screened as a public A-number
- If Unknown is included as NPI the digits are screened as a public A-number
- For accesses that is member of VPN , BK, the Calling party number is screened according to a category marking in the exchange. This category can have the following values:

Screen as PNP: The digits are screened as a PNP-number

Screen as E.164: The digits are screened as a E.164-number

- Other NPI values are treated as not valid

Digits:

If the digits received are not valid according to criteria above, screening fails and the received digits are replaced by the default access number.

The output from screening is:

Public numbers:

- TON always National
- Digits: National number
- NPI: E.164

Private numbers:

- TON always Unknown
- Digits: Private number
- NPI: PNP

Special arrangement:

In case of the 'unscreened option' the incoming digits are not changed, i.e. whatever the user entered is passed. The requirement concerning NPI stated above also applies.

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6.1.1 Normal subscriber



	NPI Note 2	TON Note 2	DIGITS	NPI	NA	DIGITS
a) "Complete" number included	E.164 or unknown	*National	abcdefgh	E.164	National	abcdefgh
		Subscriber	abcdefgh			
		Unknown	abcdefgh			
		International	47abcdefgh			
b) MSN supplementary service - incomplete digits	E.164 or unknown	Unknown	efgh Note 1	E.164	National	abcdefgh

Note 1: The network will complete the partial number provided by the user.

Note 2: Any other NPI value or TON value shall imply screening failure and the network provided default number shall be used instead.

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6.1.2 ISPBX - not member of a VPN



		NPI Note 3	TON Note 3	DIGITS	NPI	NA	DIGITS
a) Without DDI service		E.164 or unknown	*National	abcdefgh	E.164	National	abcdefgh
			Unknown	abcdefgh			
			Subscriber	abcdefgh			
			International	47abcdefgh			
b) With DDI service	"Complete" number provided	E.164 or unknown	*National	abcdefgh	E.164	National	abcdefgh
			Unknown	abcdefgh			
			Subscriber	abcdefgh			
			International	47abcdefgh			
	"Incomplete" calling number provided	E.164 or unknown	Unknown	efgh Note 1			

Note1: The network will complete the partial number provided by the user.

Note2: If "special arrangement" applies to the originating side and a "user provided, not screened" number is provided, then this number is transported through the national ISUP in the Generic number parameter. In this case, the network transports the TON set to either "National" or "International" and the calling number digits transparently towards the called user.

Note 3: Any other NPI, TON or combination of digits shall imply that screening has failed and the network provided default number shall be used instead.

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6.1.3 ISPBX - member of a VPN connected as BK, S12



	NPI Note 1	TON Note 1	DIGITS	NPI	NA	DIGITS
Outgoing PNP call	NPI= PNP or unknown	Unknown	ppp	E.164	National	abcdefgh Note 2 (Calling party no. par.)
				PNP	Unknown	ppp (Generic number parameter)
	NPI= E.164 or unknown	*National	abcdefgh	E.164	National	abcdefgh
		Unknown	abcdefgh	PNP	Unknown	ppp (Generic number parameter) Note 3
Outgoing public call	NPI= PNP or unknown	Unknown	ppp	E.164	National	abcdefgh Note 2 (Calling party no. par.)
				E.164	National	abcdefgh
	NPI= E.164 or unknown	*National	abcdefgh	E.164	National	abcdefgh
Unknown		abcdefgh				
		International	47abcdefgh			

Note 1: Any other NPI, TON or combinations of digits shall imply that screening has failed and the network provided default number shall be used instead.

Note 2: The calling party number is the network default number

Note 3: The PNP number is the default PNP number

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6.1.4 ISPBX - member of a VPN connected as BK, AXE



	NPI	TON	DIGITS	NPI	NA	DIGITS
a) Screened as PNP Outgoing PNP call	Not validated by the network	Not validated by the network	ppp	E.164	National	abcdefgh Note 1
				(Calling party no. par.)		
				PNP	Unknown	ppp (Generic number parameter)
a) Screened as PNP Outgoing public call	Not validated by the network	Not validated by the network	ppp	E.164	National	abcdefgh Note 1
				(Calling party no. par.)		
b) Screened as E.164 (public) Outgoing PNP call	Not validated by the network	Not validated by the network	abcdefgh	E.164	National	abcdefgh
				(Calling party no. par.)		
				PNP	Unknown	ppp (Generic number parameter) Note 2
b) Screened as E.164 (public) Outgoing public call	Not validated by the network	Not validated by the network	abcdefgh	E.164	National	abcdefgh
				(Calling party no. par.)		

Note 1: The calling party number is the user provided number

Note 2: The PNP number is the user provided PNP number

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6.1.5 ISPBX - member of a VPN, special arrangement, connected as BK to S12



	NPI	TON	DIGITS	NPI	NA	DIGITS
Outgoing PNP call	NPI= PNP	Not validated by the network	ppp	E.164	National	abcdefgh Note 1
				PNP	Unknown	ppp (Generic number parameter)
	NPI= E.164 or unknown	National or unknown	Yyyyyyy	E.164	National	Abcdefgh Note 1 (Calling party no. par.)
				E.164	National International	yyyyyyyy (Generic number parameter) Note 2
Outgoing public call	NPI= PNP	Not validated by the network	ppp	E.164	National	abcdefgh Note 1 (Calling party no. par.)
				E.164	National	abcdefgh Note 1 (Calling party no. par.)
	NPI= E.164 or unknown	National unknown	yyyyyyyy	E.164	National	abcdefgh Note 1 (Calling party no. par.)
				E.164	National International	xxxxx (Generic number parameter) Note 2

Note 1: The calling party number is the network default number

Note 2: The digits are as received from the user

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6.1.6 ISPBX - member of a VPN, special arrangement, connected as BK to AXE



	NPI	TON	DIGITS	NPI	NA	DIGITS
Outgoing PNP call Screened according to NPI (BGVAL=7)	NPI= PNP	Not validated by the network	ppp	E.164	National	abcdefgh Note 1 (Calling party no. par.)
				PNP	Unknown	ppp (Generic number parameter) Note 2
	NPI= E.164 or unknown	Not validated by the network	xxxxx	E.164	National	abcdefgh Note 1 (Calling party no. par.)
				E.164	National	xxxxx (Generic number parameter) Note 2
Outgoing public call Screened according to NPI (BGVAL=7)	NPI= PNP	Not validated by the network	ppp	E.164	National	abcdefgh Note 1 (Calling party no. par.)
	NPI= E.164 or unknown	Not validated by the network	xxxxx	E.164	National	abcdefgh Note 1 (Calling party no. par.)
				E.164	National	xxxxx (Generic number parameter) Note 2

Note 1: The calling party number is the network default number

Note 2: The digits are as received from the user

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6.1.7 CENTREX, S12



DSS1

Local
Exchange

National ISUP

	NPI Note 1	TON Note 1	DIGITS	NPI	NA	DIGITS
Outgoing PNP call	NPI= PNP or unknown	Unknown	ppp	E.164	National	abcdefgh Note 2 (Calling party no. par.)
				PNP	Unknown	ppp (Generic number parameter)
	NPI= E.164 or unknown	*National	abcdefgh	E.164	National	abcdefgh
		Unknown		PNP	Unknown	
	International	47abcdefgh	Note 3			
Outgoing public call	NPI= PNP or unknown	Unknown	ppp	E.164	National	abcdefgh Note 2 (Calling party no. par.)
				PNP	Unknown	ppp (Generic number parameter)
	NPI= E.164 or unknown	*National	abcdefgh	E.164	National	abcdefgh
		Unknown		(Calling party no. par.)		
International	47abcdefgh					

Note 1: Any other NPI, TON or combinations of digits shall imply that screening has failed and the network provided default number shall be used instead.

Note 2: The calling party number is the network default number

Note 3: The PNP number is the default PNP number

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6.1.8 CENTREX, AXE



DSS1

Local Exchange

National ISUP

	NPI	TON	DIGITS	NPI	NA	DIGITS
a) Screened as PNP Outgoing PNP call	Not validated by the network	Not validated by the network	ppp	E.164	National	abcdefgh Note 1 (Calling party no. par.)
				PNP	Unknown	ppp (Generic number parameter)
a) Screened as PNP Outgoing public call	Not validated by the network	Not validated by the network	ppp	E.164	National	abcdefgh (Calling party no. par.)
b) Screened as public Outgoing PNP call	Not validated by the network	Not validated by the network	abcdefgh	E.164	National	abcdefgh (Calling party no. par.)
				PNP	Unknown	ppp (Generic number parameter) Note 2
b) Screened as public Outgoing public call	Not validated by the network	Not validated by the network	abcdefgh	E.164	National	abcdefgh

Note 1: The calling party number is the user provided number

Note 2: The PNP number is the user provided PNP number

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6.1.9 ISPBX - member of a VPN (VIN) connected as a public user



	NPI	TON	DIGITS	NPI	NA	DIGITS
Outgoing PNP call	E.164 or unknown	*National unknown	abcdefgh	E.164	National	abcdefgh
Outgoing public call	E.164 or unknown	*National unknown	abcdefgh	E.164	National	abcdefgh

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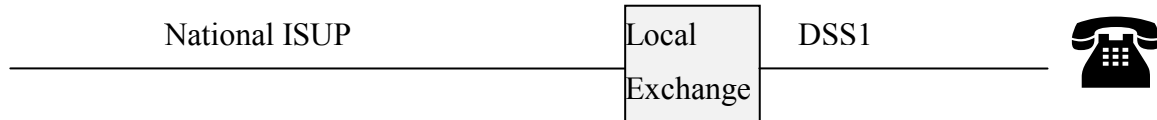
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6.2 Terminating side

6.2.1 Normal ISDN-subscriber



	NPI	NA	DIGITS	NPI	TON	DIGITS
a) Normal incoming call	E.164	National	abcdefgh	E.164	National	abcdefgh
b) Incoming call - special arrangement on the calling user side Note 1	E.164 (received in Calling party number part.)	National	ijklmnop	E.164	National	ijklmnop
		International			International	
		(received in Generic number par.)			Note 2	
c) Incoming international call	E.164	International	CCxxxxxx	E.164	Unknown	00CCxxxxxx
d) Incoming international call, special arrangement in the originating network Note 1	E.164 (received in Calling party number par.)	International	CCxxxxxx	E.164	Unknown	00CCyyyyyy
		International			International	
		(received in Generic number par.)			Note 2	

Note 1: The two number delivery option of the CLIP service is set in the network.

Note 2: Both numbers are included into two separate Calling Party Number information element. The number received in the Generic Number parameter is included as the first Calling party number information element

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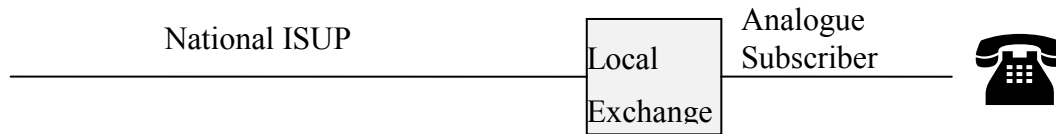
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6.2.2 Normal analogue subscriber with CLIPA



	NPI	NA	DIGITS	DIGITS sent to the CLIPA subscriber
a) Normal incoming call	E.164	National	abcdefgh	abcdefgh
b) Incoming call - special arrangement on the calling user side	E.164	National	abcdefgh (received in Calling party number par.)	ijklmnop
	E.164	National International	ijklmnop (received in Generic number par.)	
c) Incoming international call	E.164	International	CCxxxxxx	00CCxxxxxx
d) Incoming international call, special arrangement in the originating network	E.164	International	CCxxxxxx (received in Calling party number par.)	CCyyyyyy
	E.164	International	CCyyyyyy (received in Generic number par.)	

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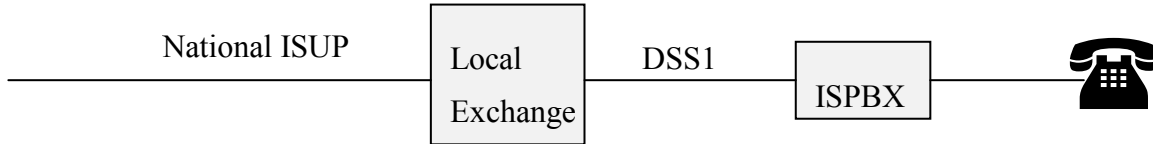
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6.2.3 ISPBX - not member of any VPN



	NPI	NA	DIGITS	NPI	TON	DIGITS
a) Normal incoming call	E.164	National	abcdefgh	E.164	National	abcdefgh
b) Incoming call - special arrangement on the calling user side Note 1	E.164	National	ijklmnop	E.164	National	ijklmnop
		(received in Calling party number part.)			Note 2	
	E.164	National	ijklmnop	E.164	National	ijklmnop
		International			International	
(received in Generic number par.)						
c) Incoming international call	E.164	International	CCxxxxxx	E.164	Unknown	00CCxxxxxx
d) Incoming international call, special arrangement in the originating network Note 1	E.164	International	CCxxxxxx	E.164	Unknown	00CCyyyyyy
		(received in Calling party number par.)			Note 2	
	E.164	International	CCyyyyyy	E.164	International	CCyyyyyy
		(received in Generic number par.)			Note 2	

Note 1: The two number delivery option of the CLIP service is set in the network.

Note 2: Both numbers are included into two separate Calling Party Number information element. The number received in the Generic Number parameter is included as the first Calling party number information element

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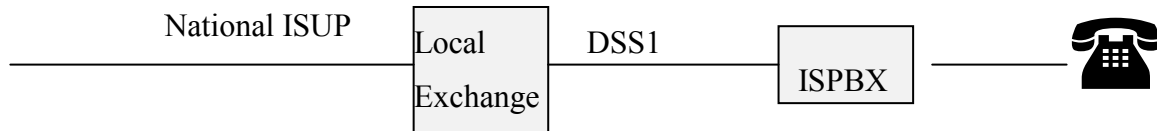
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6.2.4 ISPBX – member of a VPN connected as BK to S12



	NPI	NA	DIGITS	NPI	TON	DIGITS
a) Normal incoming call	E.164	National	abcdefgh	E.164	National	abcdefgh
b) Call within VPN	E.164	National (in Calling party no. par.)	abcdefgh	E.164	National Note 1	abcdefgh
	PNP	unknown (in Generic no. par.)	ppp	PNP	Unknown Note 2	ppp
c) Incoming international call	E.164	International	CCxxxxxx	E.164	International	00CCxxxxxx

Note 1: The two number delivery option of the CLIP service is set in the network.

Note 2: Both numbers are included into two separate Calling Party Number information element. The number received in the Generic Number parameter is included as the first Calling party number information element

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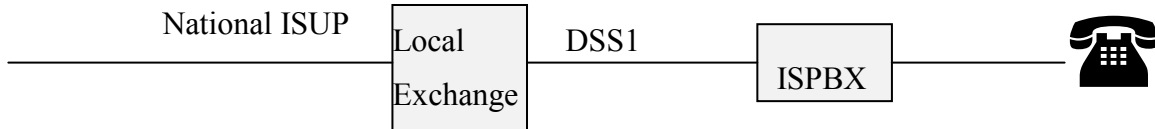
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6.2.5 ISPBX – member of a VPN connected as BK to AXE



	NPI	NA	DIGITS	NPI	TON	DIGITS
a) Normal incoming call	E.164	National	abcdefgh	E.164	National	0abcdefgh
b) Call within VPN	E.164	National (in Calling party no. par.)	abcdefgh	E.164	National Note 1	0abcdefgh
	PNP	unknown (in Generic no. par.)	ppp	PNP	Unknown Note 2	ppp
c) Incoming international call	E.164	International	CCxxxxxx	E.164	International	00CCxxxxxx

Note 1: The two number delivery option of the CLIP service is set in the network.

Note 2: Both numbers are included into two separate Calling Party Number information element. The number received in the Generic Number parameter is included as the first Calling party number information element

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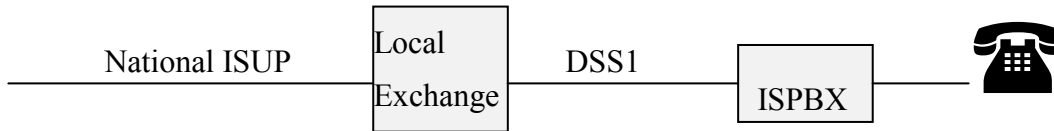
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6.2.6 ISPBX, member of VPN (VIN), connected as a public user



	NPI	NA	DIGITS	NPI	TON	DIGITS
a) Normal incoming call	E.164	National	abcdefgh	E.164	National	abcdefgh
b) Call within VPN	E.164	National	abcdefgh (in Calling party no. par.)	E.164	National	abcdefgh Note 1
	PNP	Unknown	ppp (in Generic no. par.)	PNP	Unknown	ppp Note 2
c) Incoming international call	E.164	International	CCxxxxxx	E.164	International	00CCxxxxxx

Note 1: The two number delivery options of the CLIP service are set in the network.

Note 2: Both numbers are included into two separate Calling Party Number information elements. The number received in the Generic Number parameter is included as the first Calling party number information element

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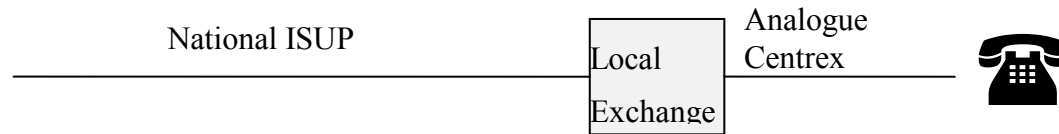
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6.2.7 Analogue CENTREX line with CLIPA



	NPI	NA	DIGITS	DIGITS
a) Normal incoming call	E.164	National	abcdefgh	Eabcdefgh
b) Call within VPN	E.164	National	abcdefgh	ppp
	PNP	Unknown	ppp	
c) Incoming international call, normal	E.164	International	CCxxxxxx	E0CCxxxxxx
d) Special arrangement in Calling Party number in Generic number	E.164	National	abcdefgh	ppp
	PNP	Unknown	ppp	or Note 1
	E.164	National	jklmnopq	Ejklmnopq
e) Special arrangement Incoming international call, normal in Calling Party number in Generic number	E.164	International	CCabcdefgh	E0CCjklmnopq
	E.164	International	CCjklmnopq	Note 1

Note 1: The number received in the Generic number parameter shall be sent to the CLIPA subscriber

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7 HISTORY

Edition	Published	Comments
1.0	26.03.1999	First stable version
2.0	27.09.2000	No technical, only editorial modifications.
3.0	15.12.2010	Template/header/footer updates



Telenor
 N-1331 Fornebu Norway
 Telephone: +47 810 77 000