



NOA and NPI Codes

The following sections contain the nature of address (NOA) and numbering plan indicator (NPI) codes for the result types listed in [Table 1-3 on page 1-18](#).

NOA Codes

The NOA codes listed in the following sections define protocol-specific NOA values and the unique mappings to numerical values supported by each protocol. An “X” in any of the variant cells in the following tables indicates that the specified mapping is supported by that protocol variant.

The NOA codes described in the following tables include:

- [Internal Call Context NOA Values—Table A-1 on pages A-1 and A-2](#)
- [ANSI SS7 NOA Values—Table A-2 on page A-3](#)
- [PRI NOA Values—Table A-3 on page A-4](#)
- [Q.761 NOA Values—Table A-4 on pages A-4 and A-5](#)
- [Q.767 Call Context NOA Values—Table A-5 on page A-6](#)

Internal Call Context NOA Values

[Table A-1](#) describes the internal Call Context NOA values and corresponding numerical values.

Table A-1 Internal Call Context NOA Values

Call Context NOA Mnemonic	Numerical Value
NOA_NONE	1
NOA_UNKNOWN	2
NOA_SUBSCRIBER	3
NOA_NATIONAL	4
NOA_INTERNATIONAL	5
NOA_NETWORK	6
NOA_MERIDIAN	7
NOA_ABBR	8

Table A-1 Internal Call Context NOA Values (continued)

Call Context NOA Mnemonic	Numerical Value
NOA_UNIQUE_3DIG_NAT_NUM	9
NOA_ANI	10
NOA_NO_ANI_REC'D	11
NOA_NON_UNIQUE_SUBSCRIBER	12
NOA_NON_UNIQUE_NATIONAL	13
NOA_NON_UNIQUE_INTERNATIONAL	14
NOA_OPRREQ_TREATED	15
NOA_OPRREQ_SUBSCRIBER	16
NOA_OPRREQ_NATIONAL	17
NOA_OPRREQ_INTERNATIONAL	18
NOA_OPRREQ_NO_NUM	19
NOA_CARRIER_NO_NUM	20
NOA_950_CALL	21
NOA_TEST_LINE_CODE	22
NOA_INT_INBOUND	23
NOA_NAT_OR_INTL_CARRIER_ACC_CODE_INC	24
NOA_CELL_GLOBAL_ID_GSM	25
NOA_CELL_GLOBAL_ID_NMT_900	26
NOA_CELL_GLOBAL_ID_NMT_450	27
NOA_CELL_GLOBAL_ID_AUTONET	28
NOA_PORTED_NUMBER	29
NOA_PISN_SPECIFIC_NUMBER	30
NOA_UK_SPECIFIC_ADDRESS	31
NOA_SPARE	32
NOA_MCI_VNET	33
NOA_INTERNATIONAL_OPERATOR_TO_OPERATOR_OUTSIDE_WZI	34
NOA_INTERNATIONAL_OPERATOR_TO_OPERATOR_INSIDE_WZI	35
NOA_DIRECT_TERMINATION_OVERFLOW	36
NOA_ISN_EXTENDED_INTERNATIONAL_TERMINATION	37
NOA_TRANSFER_ISN_TO_ISN	38
NOA_CREDIT_CARD	39
NOA_DEFINED_IN_SSUTR	40
NOA_DEFINED_IN_SSUTR2	41
RESERVED	42 and above

ANSI SS7 NOA Values

Table A-2 describes the NOA values and corresponding bit code patterns for the ANSI SS7 protocol.

Table A-2 ANSI SS7 NOA Values

ANSI Call Context NOA Value	Protocol Specific Binary Code Pattern	Standard	Bell	MCI	Sprint
NOA_950_CALL	1110110	X	X	X	X
NOA_ABBR	0000110		X	X	X
NOA_ANI	1100111			X	
NOA_CARRIER_NO_NUM	1110101	X	X	X	X
NOA_CREDIT_CARD	1100110			X	
NOA_DIRECT_TERMINATION_OVERFLOW	1111100			X	
NOA_INTERNATIONAL	0000100	X	X	X	X
NOA_INTERNATIONAL_OPERATOR_TO_OPERATOR_INSIDE_WZI	1111011			X	
NOA_INTERNATIONAL_OPERATOR_TO_OPERATOR_OUTSIDE_WZI	1111010			X	
NOA_ISN_EXTENDED_INTERNATIONAL_TERMINATION	1111101			X	
NOA_MCI_VNET	1111000			X	
NOA_NATIONAL_DEFAULT	0000011	X	X	X	X
NOA_NO_ANI_REC'D	1101000			X	
NOA_NON_UNIQUE_INTERNATIONAL	1111001			X	
NOA_NON_UNIQUE_INTERNATIONAL	1110100		X	X	X
NOA_NON_UNIQUE_NATIONAL	1110011		X	X	X
NOA_NON_UNIQUE_NATIONAL	1111000			X	
NOA_NON_UNIQUE_SUBSCRIBER	1110001		X	X	X
NOA_NONE	0000000	X	X	X	X
NOA_OPRREQ_INTERNATIONAL	1110011	X	X	X	X
NOA_OPRREQ_NATIONAL	1110010	X	X	X	X
NOA_OPRREQ_NO_NUM	1110100	X	X	X	X
NOA_OPRREQ_SUBSCRIBER	1110001	X	X	X	X
NOA_SUBSCRIBER	0000001	X	X	X	X
NOA_TEST_LINE_CODE	1110111	X	X	X	X
NOA_TRANSFER_ISN_TO_ISN	1111110			X	

PRI NOA Values

Table A-3 describes the NOA values and corresponding bit code patterns related to the PRI protocol. In keeping with the PRI's MDL program definition, the bit codes are listed with decimal values.

Table A-3 PRI NOA Values

PRI Call Context NOA Value	Protocol Specific Code	ETSI 300-102	ETSI 300-172 (QSIG)	AT&T TR41459	Bell	INSNet
NOA_UNKNOWN	0	X	X	X	X	X
NOA_INTERNATIONAL	1	X	X	X	X	
NOA_NATIONAL DEFAULT	2	X	X	X	X	
NOA_NETWORK	3	X	X	X		
NOA_SUBSCRIBER	4	X	X	X	X	
NOA_MERIDIAN	5	X	X			
NOA_ABBR	6	X	X			

PRI DEFAULT: NOA_NATIONAL

INSNet DEFAULT: NOA_UNKNOWN

Q.761 NOA Values

Table A-4 describes the NOA values and corresponding bit code patterns for the Q.761 protocol.

Table A-4 Q.761 NOA Values

Q.761 Call Context NOA Value	Protocol Specific Binary Code Pattern	Standard Q.761	Australian Q.761	Finnish Q.761	Japanese Q761	Japanese ETS_300_356	Hong_Kong Q761	Belgian Mobistar	Korean Q761	ETS_300_356 and Japan	ETS_300_356 and Spanish	ETS_300_356_V3 and UK
NOA_950_CALL	1110110											
NOA_UNIQUE_3DIG_NAT_NUM	0000011	X	X									
NOA_ANI	1100111											
NOA_NO_ANI_REC'D	0000010	X	X									
NOA_CARRIER_NO_NUM	0000010	X	X									
NOA_CREDIT_CARD	1100110											

Table A-4 Q.761 NOA Values (continued)

NOA_DIRECT_TERMINATION_OVERFLOW	1111100					
Q.761 Call Context NOA Value	Protocol Specific Binary Code Pattern	Standard Q.761	Australian Q.761	Finnish Q.761	Japanese Q761 Japanese ETS_300_356 HONG_KONG Q761	Belgian Mobistar Korean Q761 ETS_300_356 and Japan ETS_300_356 and Spanish ETS_300_356_V3 and UK
NOA_INT_INBOUND	0000100	X				X
NOA_INTERNATIONAL	0000100	X	X	X		X
NOA_INTERNATIONAL_OPERATOR_TO_OPERATOR_INSIDE_WZI	1111011					
NOA_INTERNATIONAL_OPERATOR_TO_OPERATOR_OUTSIDE_WZI	1111010					
NOA_ISN_EXTENDED_INTERNATIONAL_TERMINATION	1111101					
NOA_MCI_VNET	1111000					
NOA_NATIONAL_DEFAULT	0000011	X	X	X	X	X
NOA_NAT_OR_INTL_CARRIER_ACC_CODE_INC	0000010		X			X
NOA_NETWORK	1111110				X	X
NOA_NO_ANI_REC'D	1101000					
NOA_NON_UNIQUE_INTERNATIONAL	1111001					
NOA_NON_UNIQUE_INTERNATIONAL	0000100	X	X			
NOA_NON_UNIQUE_INTERNATIONAL	1110100					
NOA_NON_UNIQUE_NATIONAL	0000011	X	X			
NOA_NON_UNIQUE_NATIONAL	1110011					
NOA_NON_UNIQUE_NATIONAL	1111000					
NOA_NON_UNIQUE_SUBSCRIBER	0000001	X	X			
NOA_NON_UNIQUE_SUBSCRIBER	1110001					
NOA_NONE	0000000	X	X			X
NOA_OPRREQ_INTERNATIONAL	0000100	X	X			
NOA_OPRREQ_NATIONAL	0000011		X			
NOA_OPRREQ_NO_NUM	0000010	X	X			
NOA_OPRREQ_SUBSCRIBER	0000001	X	X			
NOA_SUBSCRIBER	0000001	X			X	X
NOA_TEST_LINE_CODE	1110111					
NOA_TRANSFER_ISN_TO_ISN	1111110					

Table A-4 Q.761 NOA Values (continued)

NOA_UK_SPECIFIC_ADDRESS	1111110				X
NOA_UNKNOWN	1110000	X		X	
NOA_UNKNOWN	0000010	X	X	X	

Q.767 NOA Values

Table A-5 describes the NOA values and corresponding bit code patterns related to the Q.767 protocol.

Table A-5 Q.767 Call Context NOA Values

Q.767 Call Context NOA Value	Protocol Specific Binary Code Pattern	Standard	Italian	Russian	Spanish	Swedish	Polish ¹
NOA_950_CALL	1110110						
NOA_ANI	1100111						
NOA_NO_ANI_REC'D	0000000	X			X		
NOA_CARRIER_NO_NUM	0000000	X					
NOA_CREDIT_CARD	1100110						
NOA_DIRECT_TERMINATION_OVERFLOW	1111100						
NOA_INT_INBOUND	0000100	X					
NOA_INTERNATIONAL	0000100	X				X	
NOA_INTERNATIONAL_OPERATOR_TO_OPERATOR_INSIDE_WZI	1111011						
NOA_INTERNATIONAL_OPERATOR_TO_OPERATOR_OUTSIDE_WZI	1111010						
NOA_ISN_EXTENDED_INTERNATIONAL_TERMINATION	1111101						
NOA_MCI_VNET	1111000						
NOA_NATIONAL DEFAULT	0000011						
NOA_NATIONAL DEFAULT	0000011	X	X	X	X	X	X
NOA_NO_ANI_REC'D	1101000						
NOA_UNIQUE_3DIG_NAT_NUM	0000011	X					
NOA_NON_UNIQUE_INTERNATIONAL	0000100	X					
NOA_NON_UNIQUE_INTERNATIONAL	1110100						
NOA_NON_UNIQUE_NATIONAL	0000011	X			X		
NOA_NON_UNIQUE_NATIONAL	1111000						
NOA_NON_UNIQUE_SUBSCRIBER	0000001				X		
NOA_NONE	0000000	X					
NOA_OPRREQ_NATIONAL	0000011	X			X		

Table A-5 Q.767 Call Context NOA Values (continued)

NOA_OPRREQ_NO_NUM	0000000	X	
NOA_OPRREQ_SUBSCRIBER	0000001		X
NOA_SUBSCRIBER	0000001	X X	X
NOA_TEST_LINE_CODE	1110111		
NOA_TRANSFER_ISN_TO_ISN	1111110		
NOA_UNKNOWN	0000010		X

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NPI Codes

The numbering plan indicator (NPI) codes listed in the following sections define protocol-specific NPI values and the unique mappings to numerical values supported by each protocol. An “X” in any of the variant cells in these tables indicates that the specified mapping is supported by that protocol variant.

The NPI codes described in the following tables include:

- [Internal NPI Values—Table A-6 on page A-8](#)
- [ANSI SS7 NPI Values—Table A-7 on page A-8](#)
- [PRI NPI Values—Table A-8 on page A-9](#)

Internal NPI Code Values

[Table A-6](#) describes the internal (Call Context) NPI code values.

Table A-6 Internal NPI Values

Call Context NPI Mnemonic	Numerical Value
NPI_NONE	100
NPI_E164	101
NPI_DATA	102
NPI_TELEX	103
NPI_PNP	104
NPI_NATIONAL	105
NPI_TELEPHONY	106
NPI_MARITIME_MOBILE	107
NPI_LAND_MOBILE	108
NPI_ISDN_MOBILE	109

ANSI SS7 NPI Values

[Table A-7](#) describes the received protocol-specific bit code patterns to internal (Call Context) NPI value mappings supported by the ANSI SS7 protocol.

Table A-7 ANSI SS7 NPI Values

ANSI Call Context NPI Value	Bit Pattern	Standard	Bell	MCI	Sprint
NPI_NONE	000		X	X	X
NPI_E164	001		X	X	X
NPI_PNP	101		X	X	X

NAPI2: NPI_E164 DEFAULT

NAPI1: NPI_NONE DEFAULT

PRI NPI Values

Table A-8 describes the received protocol-specific bit code patterns to internal (Call Context) NPI value mappings supported by the PRI protocol.

Table A-8 PRI NPI Values

PRI Call Context NPI Value	Bit Pattern	ETSI 300-102	ETSI 300-172 (QSIG)	AT&T TR41459	Bell	INS Net
NOA_UNKNOWN	0000	X	X	X	X	X
NPI_E164 DEFAULT	0001	X	X	X	X	
NPI_DATA	0011	X	X		X	
NPI_TELEX	0100	X	X			
NOA_NATIONAL	1000	X	X			
NPI_PNP	1001	X	X	X		

DEFAULT: NPI_E164

NAPI1: NPI_NONE DEFAULT

