PHS MoU Document
B-IF3.33-02-TS

Title: **Public Personal Handy-Phone System : Network-Network Interface for Call Control Signalling System No.7 - Formats and Codes of the ISDN User Part**
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Formats and codes of generic number parameter

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History of Revised Versions

Version	Date	Outline
01		Established
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Public Personal Handy-Phone System:
Network - Network Interface for Call Control
Signalling System No.7 - Formats and Codes of the ISDN User Part

<Summary>

1. Relation with International Standards

This specification conforms to ITU-T Recommendation Q.763.

2. Difference from ITU-T Recommendation Q.763

In case of “Roaming number assignment method No.1”, it is recommended to use 'generic number (additional called number) parameter' in IAM defined in ITU-T Recommendation Q.762 and Q.763 (White Book version) for transferring ‘PHS number’ which identify the public PS. However, some network may transfer ‘PHS number’ using the other parameter which is defined as domestic or regional specifications.
In case of “Roaming number assignment method No.2”, “Generic Number parameter” or other specific parameter in order to transfer “PHS number” is not required.

The specification of 'generic number parameter' is shown in following pages.

3. References

ITU-T Recommendation Q.763
PHS MoU Specification B-IF3.00, B-IF3.31, B-IF3.32, B-IF3.34, B-IF3.36, B-IF3.37

4. Items for Further Study

Interaction with other supplementary services which use 'generic number (additional called number) parameter' is left for further study.

Formats and codes of generic number parameter

The parameter name code of generic number is given in Table 1/B-IF3.33.

TABLE 1/B-IF3.33 Parameter name code of generic number

Parameter name	Code
generic number	11000000

The format of the generic number parameter field is shown in Figure 1/B-IF3.33.

<table>
<tr><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td></tr>
<tr><td colspan="8">Number qualifier indicator</td></tr>
<tr><td>Odd/ even</td><td colspan="7">Nature of address indicator</td></tr>
<tr><td>NI Ind.</td><td colspan="2">Numbering plan Ind.</td><td colspan="2">Present. Ind.</td><td colspan="3">Screening</td></tr>
<tr><td colspan="4">2nd address signal</td><td colspan="4">1st address signal</td></tr>
<tr><td colspan="8"></td></tr>
<tr><td colspan="4">Filler (if necessary)</td><td colspan="4">nth address signal</td></tr>
</table>

FIGURE 1/B-IF3.33 generic number parameter field

The following codes are used in the generic number parameter field:

a) Number qualifier indicator

00000000	reserved (dialed digits)
00000001	additional called number
00000010	reserved (supplemental user provided calling number – failed network screening)
00000011	reserved (supplemental user provided calling number – not screened)
00000100	reserved (redirecting terminating number)
00000101	additional connected number
00000110	additional calling party number
00000111	additional original called number
00001000	additional redirecting number
00001001	additional redirection number

00001010 to 01111111	reserved (called freephone numbers) (spare)
10000000 to 11111110	reserved for national use
11111111	reserved for expansion

b) Odd/even indicator:

0	even number of address signals
1	odd number of address signals

c) Nature of address indicator

0000000	spare
0000001	subscriber number
0000010	unknown
0000011	national (significant) number
0000100	international number
0000101 to 1101111	spare
1110000 to 1111110	reserved for national use
1111111	spare

NOTE 1 – For each supplementary service the relevant codes and possible default settings are described in the service description.

d) Number incomplete indicator

0 number complete
1 number incomplete

e) Numbering plan indicator

000 spare
001 ISDN (telephony) numbering plan (Recommendation E.164)
010 spare
011 data numbering plan (Recommendation X.121)
100 telex numbering plan (Recommendation F.69)
101 private numbering plan
110 reserved for national use
111 spare

NOTE 2 – For each supplementary service the relevant codes and possible default settings are described in the service description .

f) Address presentation restricted indicator

00 presentation allowed
01 presentation restricted
10 address not available
11 spare

NOTE 3 – For each supplementary service the relevant codes and possible default

settings are described in the service description.

g) Screening indicator

Only used if the number qualifier indicator is coded 0000 0001 or 0000 0010 this indicator is coded as follows:

00 user provided, not verified
01 user provided, verified and passed
10 user provided, verified and failed
11 network provided

NOTE 4 – For each supplementary service the relevant codes and possible default settings are described in the service description.

h) Address signal

0000	digit 0
0001	digit 1
0010	digit 2
0011	digit 3
0100	digit 4
0101	digit 5
0110	digit 6
0111	digit 7
1000	digit 8
1001	digit 9
1010 to 1111	spare

i) Filler

In case of an odd number of address signals, the filler code 0000 is inserted after the last address signal.

Generic number parameter can be contained in Initial Address Message (IAM).
In Tables 2/B-IF3.33, the type and length of Generic number parameter in IAM is specified.

Tables 2/B-IF3.33
The type and length of generic number parameter in IAM

Parameter	Type	Length (octets)
Generic number	O	4-12

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The same specification as what is specified in ITU-T Recommendation Q.763 is applied.