Title: Public Personal Handy-Phone System :
        General Description of interworking in the Public PHS Network

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History of Revised Versions

Version	Date	Outline
01	July 11, 1997	Established
02	Dec 19, 1997	Glossary and abbreviations are aligned with A-GN1.00 (Glossary and Abbreviations).

B-IW1.00-02-TS

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<Summary>

1. Relation with international standards

This document refers to ITU-T Recommendation I.525.
This document refers to ITU-T Recommendation Q.699.

2. Differences from ITU-T Recommendation

None

3. References

ITU-T Recommendation I.525
ITU-T Recommendation Q.699
PHS MoU Technical Specification B-IW1.xx series
PHS MoU Documents B-NWx.xx series

4. Items for Further Study

None

B-IW1.00-02-TS

Public Personal Handy-Phone System :
General Description of interworking in the Public PHS Network

Contents

1. General

1.1 Objective of this document

This document describes outlines about B-IW1.xx series interworking specifications of public PHS network. The B-IW1.xx series documents specify the interworking aspects of services and protocols in the public PHS network based on the network model which is specified in the B-NW series documents.

1.2 Structure of B-IW1.00 series documents

This subclause describes the general information about B-IW1.xx series documents of the public PHS network. The current B-IW1.xx series documents are constructed as follows:

B-IW1.00: General Description of interworking in the Public PHS Network

This document describes the general information, outlines of B-IW1.xx series documents.

B-IW1.01: Interworking between public PHS wireless access part operating at bit rates of less than 64 kbit/s and 64 kbit/s-based ISDN part of public PHS network

This document describes the general arrangements required for interworking functions between a public PHS wireless access part and a public PHS ISDN part in the public PHS network based on ITU-T Recommendation I.525.

B-IW1.02: Signalling interworking between IF2 and IF3

This document describes the relationship required for interworking between IF2 and IF3 in the public PHS network based on ITU-T Recommendation Q.699.

2. Scope of current interworking in the public PHS network

2.1 General

This clause describes the current scope of B-IW1.xx series interworking specifications in the public PHS network. The objective of the B-IW1.xx series documents is to specify the interworking aspects in the public PHS network.

The general description of the B-IW1.xx series documents is described as following subclauses in this clause.

2.2 Interworking between public PHS wireless access part operating at bit rates less than 64 kbit/s and 64 kbit/s-based ISDN part of public PHS network

This sub-clause describes outlines about B-IW1.01 document of the public PHS network.

The public PHS network consists of two parts, one is a public PHS wireless access part which provides digital user access network capabilities for users at bit rates less than 64 kbit/s, and the other is a 64 kbit/s-based public PHS ISDN part which provides 64 kbit/s switching services.

The objective of the B-IW1.01 document is to describe interworking arrangements between a public PHS wireless access part operating at bit rates less than 64 kbit/s and a 64 kbit/s-based public PHS ISDN part of the public PHS network based on Recommendation I.525.

This document includes descriptions of bearer services for interworking.

2.3 Signalling interworking between IF2 and IF3

This sub-clause describes outlines about B-IW1.02 document of the public PHS network.

The objective of the B-IW1.02 document is to provide how the layer 3 protocol of IF2 interface and the Signalling System No.7 ISDN User Part protocol of IF3 interface should be used in combination with call control functions to support the public PHS network service.

This document specifies the interworking relationship in the public PHS network between the layer 3 protocol of IF2 interface and the Signalling System No.7 ISDN User Part protocol of IF3 interface used for internetworking with other IN-structured network or other non-IN structured network, based on ITU-T Recommendation Q.699.

This document also includes the mapping of parameters provided for each layer 3 protocol message of IF2 interface, that maps onto an ISDN User Part message.

Annex A Glossary and Abbreviations

This annex forms an integral part of this document.

Glossary

A
B
C
D
E
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G
H
I

*IF2   **PHS MoU**
    IF2 is the interface between public CS and PSC.

*IF3   **PHS MoU**
    IF3 is the CCF-CCF interface between networks.

ISDN User Part (ISUP)   **ITU-T**
    The signalling system No.7 protocol which provides the signalling functions required to support basic bearer services and supplementary services for voice and non-voice applications in an integrated services digital network.

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P

*Public PHS ISDN part   **PHS MoU**
    A part of the public PHS network including SCP and PSC, having IF2 for the connection to a public PHS wireless access part.

*Public PHS wireless access part   **PHS MoU**
    A part of the public PHS network including public CSs, having two types of interfaces: IF1 for the connection to public PSs and IF2 for the connection to a public PHS ISDN part.

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Signalling System No.7 (SS No.7)   **ITU-T**

The procedures for the interpretation and use of a repertoire of signals together with the hardware and/or software needed for the generation, transmission, and reception of these signals, defined in the ITU-T Q.7xx-series Recommendations.

T
U
V
W
X
Y
Z

Abbreviations

CCF	Call Control Function
CS	Cell Station
ISDN	Integrated Services Digital Network
PHS	Personal Handy-Phone System
PS	Personal Station
PSC	PHS Switching Center
SCP	Service Control Point