

# **JT-Q932-a**

## **PHS Public Cell Station - Digital Network Interface**

### **- PHS Service Control Procedures -**

#### **1. Relations with International Standards**

This Standard specifies the generic procedures for the control of PHS supplementary services used for the interface between the public cell station (hereinafter referred to as public CS) and digital network based on TTC Standard JT-Q932 version 2 established on November 26, 1993.

Chapters and sections that are included in TTC Standard JT-Q932, but are categorized as out-of-scope for standardization in this Standard, are herein described with a mark "#", and added items are herein described with a mark "\*".

#### **2. Additional items**

The following items have been deleted from or added to TTC Standard JT-Q932.

- (1) As the generic protocol for supplementary services, a Facility information element, a FACILITY message, a REGISTER message, and the messages shown in TTC Standard JT-Q931-b chapter 3 shall be used.

\* The stimulus protocols are out of scope for this Standard.

\* The functional procedures using the functional protocol message except a FACILITY message and a REGISTER message are out of scope for this Standard.

- (2) The terms of TTC Standard JT-Q932 shall be replaced with those of this Standard as shown in the following table.

Terms in TTC Standard JT-Q932	Terms in this Standard
TTC Standard JT-Q921	TTC Standard JT-Q921-b
TTC Standard JT-Q931	TTC Standard JT-Q931-b
ISDN user-network interface	PHS public cell station – digital network interface
User-network interface	Public cell station –digital network interface
Network	Digital network
User	Public cell station

In other words, when “same specification as provided in TTC Standard JT-Q932” is described

in this Standard and the terms in the left column of the table are used in the corresponding parts of TTC Standard JT-Q932, the terms in the right column of the table shall be applied for this Standard.

In addition, unless noted otherwise, when the part of TTC Standard JT-Q932 text that is replaced with “same specification provided in TTC Standard JT-Q932” in the corresponding part of this Standard refers to other sections, annexes, appendices, etc., of TTC Standard JT932, the corresponding part of this Standard refers to the corresponding sections, annexes, appendices, etc., of this Standard.

(3) The descriptions about supplementary services (recalling-type handover (hereinafter referred to as handover), DTMF transmission, carrier information notification, charge area information notification, location registration, authentication, call cleaning information notification, and multiple call setups of the same PHS number) specified on this interface, and ASN.1 description of Facility information element component coding based on X.680 are attached to this Standard as annexes.

### 3. The revision history of this Standard

Versions	Date	Outline of revisions
1	Nov.24, 1994	Established
1.1	Apr.24, 1996	The term “second generation cordless telephone system” has been used to indicate PHS. The terminology was unified to PHS.
2	Apr.23, 1997	Modifications with relation to the addition of REGISTER message.
3	Nov.26, 1997	Addition of interconnection charge billing system supplementary services. Standardization, and call cleaning information notification.
4	Apr.28, 1998	ASN.1 description for interconnection charge billing system supplementary service is rewritten using X.680 notation. Addition of charge information notification and ASN.1 description based on X.680 for Facility information element.
5	Apr.20, 2000	Addition of “multiple call setups of the same PHS number” supplementary service and ASN.1 description based on X.680 for Facility information element.

### 4. Notes

\* The detail procedures applicable to individual supplementary services are out of scope for this Standard except handover, DTMF transmission, carrier information notification, charge area information notification, charge information notification, location registration, authentication, call cleaning information notification and multiple call setups of the same PHS number.

\* It is not mandatory to provide all functions described in this Standard on the public CS – digital network interface.

## **5. Others**

### (1) Reference standards and recommendations

TTC Standards: JT-Q932, JT-Q921-b, JT-Q931-b,  
JT-Q921, JT-Q931, JT-Q763, JT-Q950

ARIB Standards: RCR STD-28

ITU-T Recommendations X.680, X.880