

## DSPR has started a Certification and Testing Services for Terminal Equipment to be connected to IP Telephone Lines.

In the Official Gazette, as of October 25, 2010, the Ministerial Ordinance on Partial Revision of the Ordinance Concerning Terminal Facilities, etc. (Ordinance of the Ministry of Internal Affairs and Communications No. 91), and Ministerial Ordinance on Partial Revision of Rules Concerning the Technical Conditions Compliance Approval for Terminal Equipment (MIC ordinance No. 92) were publicly notified, and the Standard pertaining to OAB - J IP Phone (hereinafter referred to as "IP Phone") came into effect as of April 1, 2011.

As background of this revision, whereas IP phones have been developed into main phone terminals comparable to analog phones and mobile phones, IP phone terminals are "Data communication terminals" and not "phone terminals". In addition, IP phone terminals are not institutionally secured necessary functions as a phone.

From the standpoint of network conservation, a necessary system was carried out in order to meet the minimum required functions as a phone and correspond to the specific tasks of IP phones.

With this revision of the Act, DSP Research, Inc. has started a Certification and Testing service for Terminal Equipment to be connected to IP Telephone Lines.

Type of Terminal Equipment	Symbol
Terminal Equipment to be connected to Analog Phone or Mobile Phone Facilities	A
Terminal Equipment to be connected to Radio Paging Facilities	B
Terminal Equipment to be connected to ISDN Facilities	C
Terminal Equipment to be connected to Leased Line or Digital Data Transmission Facilities	D
<b>Terminal Equipment to be connected to IP Telephone Lines</b>	<b>E</b>

Number example

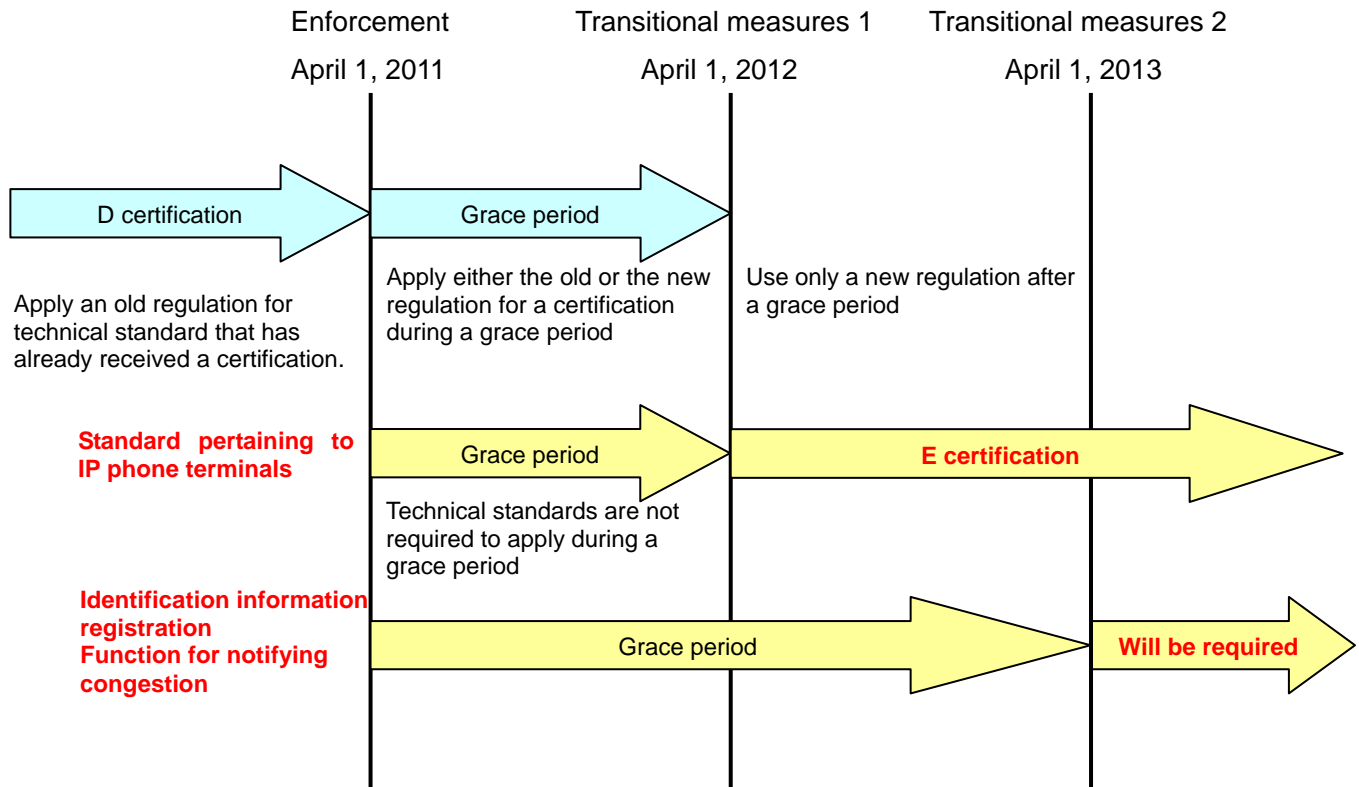


Revision details of Ordinance Concerning Terminal Facilities, etc.

Ordinance Concerning Terminal Facilities Etc.	Analog Phone	Mobile Phone	IP Phone	Radio Paging	ISDN	Data
Basic function	Art. 10	Art. 17	Art. 32-2	-	Art. 34-2	-
Calling function	Art. 11	Art. 18	Art. 32-3	-	Art. 34-3	-
Address signal condition	Art. 12	-	-	-	-	-
Send Timing	-	Art. 19	-	-	-	-
Random access control	-	Art. 20	-	-	-	-
Time Alignment control	-	Art. 21	-	-	-	-
Location registration control	-	Art. 22	-	-	-	-
Function for complying with channel switching indication	-	Art. 23	-	-	-	-
Function for receiving level report	-	Art. 24	-	-	-	-
Function for instruction to stop transmission	-	Art. 25	-	-	-	-
Function to automatically suspend transmission at receiving level degradation	-	Art. 26	-	-	-	-
Function to automatically suspend transmission in failure	-	Art. 27	-	-	-	-
<b>Identification information registration</b>	-	-	Art. 32-4	-	-	-
<b>Function for notifying congestion</b>	-	-	Art. 32-5	-	-	-
Ensuring important communication	-	Art. 28	-	-	-	-
<b>Emergency call function</b>	Art. 12-2	Art. 28-2	Art. 32-6	-	Art. 34-4	-
Function to prevent change of information inherent to the mobile telephone terminal information	-	Art. 29	-	Art. 33	-	-
Electrical conditions, etc	Art. 13	-	Art. 32-7	-	Art. 34-5	Art. 34-8
Transmitter power	Art. 14	Art. 30	Art. 32-8	-	Art. 34-6	-
Crosstalk attenuation	Art. 15	Art. 31	-	-	-	Art. 34-9
Special analog terminals	Art. 16	Art. 32	Art. 32-9	Art. 34	Art. 34-7	-

**Note: Revised parts are indicated in red letters.**

## Enforcement dates in of Technical standard and Certification



## NEWS TOPICS

### Q&A

Q1

What kind of terminals are the IP phone terminals subject to certification?

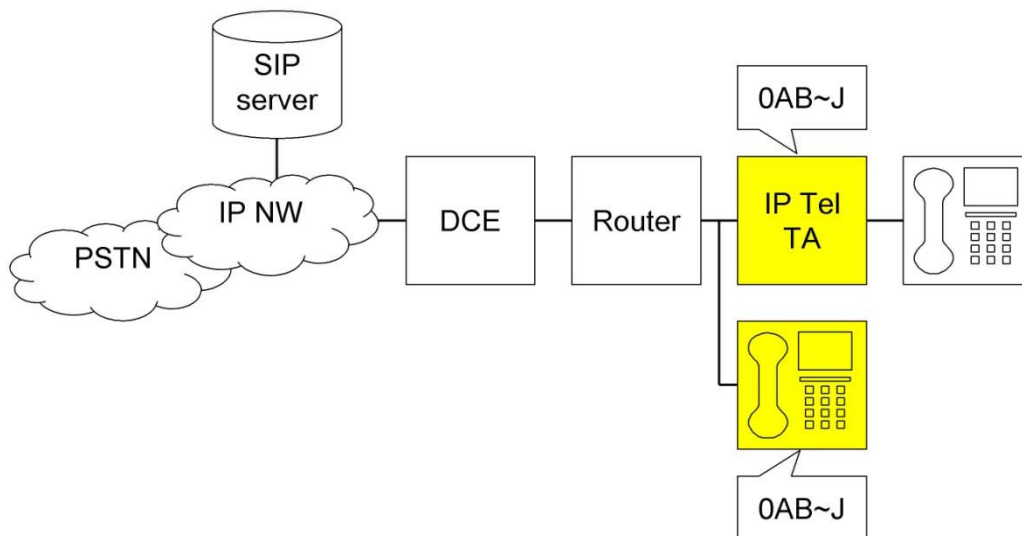
A1

Requirements for IP phone terminals subject to certification are following:

1. Shall have 0AB - J phone numbers
2. Shall support an IP
3. Shall support a SIP or an IP phone protocol which is comparable to SIP
4. Shall perform a call control by communicating with server that supports SIP or IP phone protocol which is comparable to SIP on the carrier side
5. Shall have a specific H/W

The following is a supplementary explanation including figures.

Terminals painted in yellow are subject to certification that satisfies the five requirements listed above.



SIP server : Session Initiation Protocol server

IP NW : Internet Protocol NetWork

PSTN : Public Switched Telephone Networks

DCE : Data Circuit terminating Equipment

IP Tel TA : IP Telephone Terminal Adaptor

## NEWS TOPICS

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Q2

Is it required to obtain a certification again for an IP phone terminal that has already received a certification prior to the revision by this Ministerial Ordinance?

A2

The old regulation applies technical standards for facilities that have already received a certification. Therefore, it is not required to obtain a certification again unless there are special instructions from carriers and others.

Q3

How much does it cost to obtain a certification?

A3

Please read the business regulations on our website or ask our sales representatives for the certification cost.

Contact to:

DSP Research, Inc. Sales Department

Phone: +81-78-940-0377

Facsimile: +81-78-940-0378

E-mail: [dspr\\_sales@dspr.co.jp](mailto:dspr_sales@dspr.co.jp)