Unified Interpretation on Article 9 of Ordinance Concerning Terminal Facilities, Etc. based on Telecommunications Business Act

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Japan Approvals Institute for Telecommunications Equipment (JATE)
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Notice: This Edition is revised "Unified Interpretation on Article 9 of Ordinance Concerning Terminal Facilities, Etc. based on Telecommunications Business Act JATE/JVLATE" published in 2010 April, under the new technical requirement was established in 2016 May.

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Interpretation

"Terminal equipment which transmits radio waves from the terminal facility" are subject to approval in accordance with Article 9 of the "Ordinance Concerning Terminal Facilities, etc."

Types of radio equipment used with typical wireless-communications protocol are shown in the attached "Annexed Table".

Specific scopes of application objects are shown in the attached "Scope of application object on Article 9" in 3 Tables detailing Cases 1, 2 & 3.

The most interfaces of terminal equipment connecting to the existing approved terminal are 10/100BASE interface, therefore, it shall be basically approved as "D approval" since the interfaces are considered as the demarcation point. However, if the existing approved terminal is specified as "A" or "C" approval, then the terminal will also be approved as "A" or "C".

Case 1: Terminal equipment that transmits radio waves from the terminal facility, as listed in "Annexed Table", shall be treated as Case 1 and approved as usual.

Case 2: Under typical wireless communication protocol, the terminal equipment shall be approved as master equipment (system without the slave equipment as "Case 1" above).

Case 3: Under typical wireless communication protocol, the terminal equipment shall be approved as slave equipment which connects to the existing approved master equipment.

In cases using Public Wireless LAN as the type of connection configuration, a wireless LAN-related terminal was prescribed to the appendix table No.5 (leased line and terminals using radio wave facilities) which prescribed the terminal facilities using the radio wave in connection with telecommunications facilities which offered terminal facilities for one of telecommunications business by the notification No.103(*) based on Article 34-8. By this rule, the connection form of case 3 continued, but the certification as the leased line, etc terminals (digital data communications terminal) using radio wave facilities was newly required.

・ Others

1. Since wireless mice, wireless keyboards, etc. do not use a telecommunications carrier's services (voice and data communications) they are not considered objects needing approval based on the Telecommunications Business Act.
2. Wireless headsets or handsets are considered objects needing approval because they use a carrier's voice service. Also, they are subject to regulation under Chapter 3 (Safety, etc) Article 7- Prevention of excessive acoustic shock, in the "Ordinance Concerning Terminal Facilities, etc.".

＊ Notification (March 29, 2016 revision, the May 21, 2016 enforcement) to revise a part of the Ministry of Internal Affairs and Communications notification No.87 (matter to determine the electrical conditions of the terminal such as an Internet Protocol telephone terminal and Private Circuit facilities) in 2011

Annexed Table: Radio Equipment in Terminal Facilities

Type of Radio Equipment		Covered by Art. 9	Covered by Art. 34-8
Extremely weak power Radio Equipment (E: Art. 6, Para. 1)		△	
Analog Cordless Telephone (O: Art. 49-8)		△	
Specified Low-Power Radio Equipment (Telemeter, etc.)(O: Art. 49-14)		△	
Specified Low-Power Radio Equipment (Data transmission implanted medical equipment)(O: Art. 49-14)		△	
Specified Low-Power Radio Equipment (Human/Animal Detection report system) (O: Art. 49-14)		△	
Low-Power Security System (O: Art. 49-17)		△	
Low-Power Data Communication System (E: Art. 6, Para. 4, Item 4)		* See next page	* See next page
Narrow-band TDMA Digital Cordless Telephone (O: Art. 49-8-2)		○	
Wide-band TDMA Digital Cordless Telephone (DECT) (O: Art.49-8-2-2)		△	
TDMA/OFDMA Digital Cordless Telephone (O: Art. 49-8-2-3)		△	
PHS Land Mobile Station (O: Art. 49-8-3)		○	○
5GHz band Wireless Access System (O: Art. 49-21)	IEEE802.11j/n	○	□
	Except above	○	□
Ultra Wide-band Wireless System (UWB) (O: Art. 49-27)		△	
700MHz band Intelligent Transport System Land Mobile Station (Art. 49-22-2)		△	

○：General wireless-communication procedure △：The applicable method is only Case 1 (The wireless-communications protocol is not common) □：Reference to Article 9

E：Ordinance for Enforcement of the Radio Act O：Ordinance Regulating Radio Equipment

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Annexed Table: Radio Equipment in Terminal Facilities

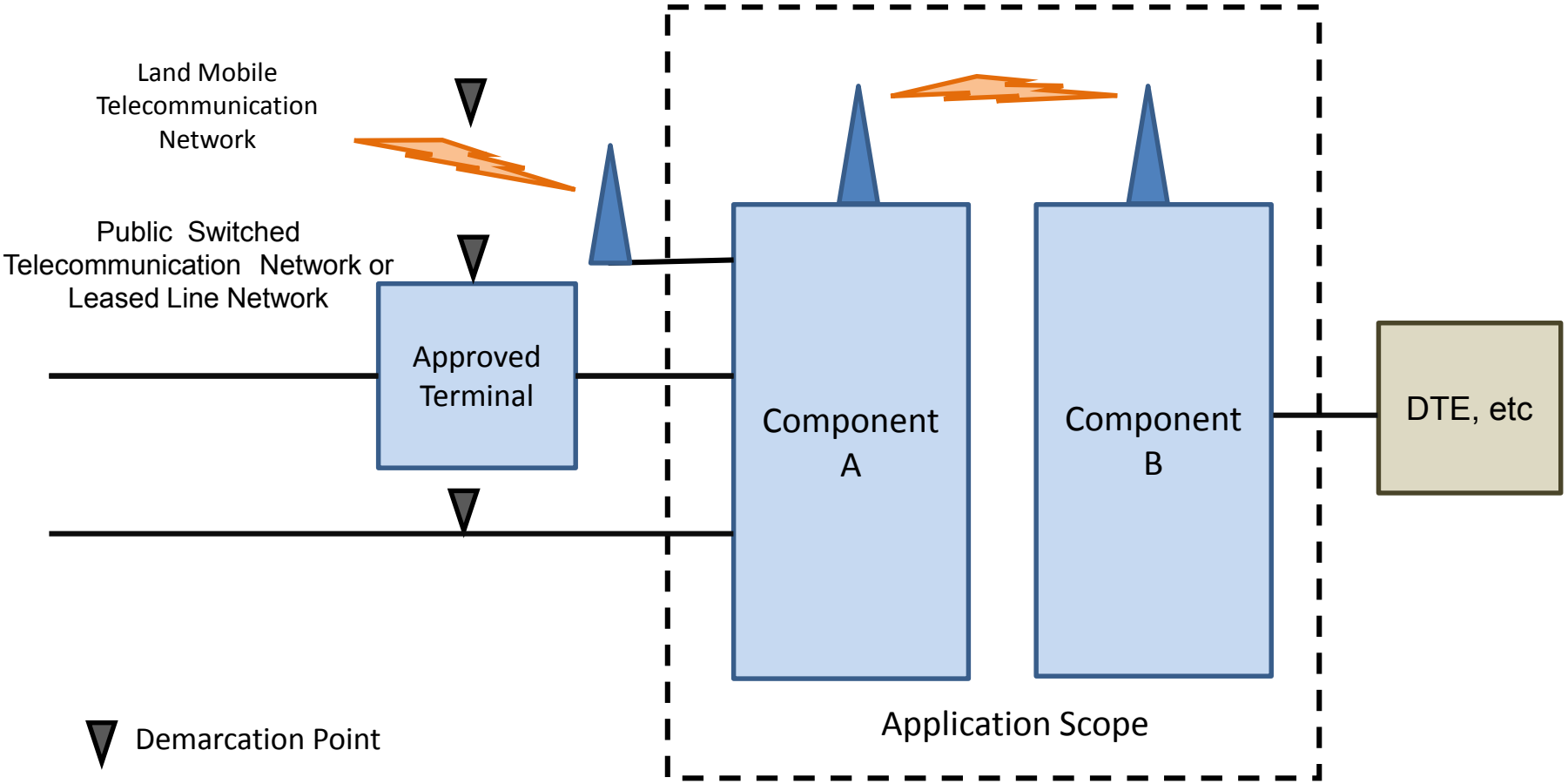
Type of Radio Equipment		Covered by Art. 9	Covered by Art. 34-8
2.4GHz band Low-Power Data Communication System (O: Art. 49-20, Item 1)	IEEE802.11b/g/n	■	○
	Bluetooth & except above	○	
2.4GHz band Low-Power Data Communication System (O: Art. 49-20, Item 2)	IEEE802.11b	■	○
	Except above	○	
5GHz band Low-Power Data Communication System (O: Art. 49-20, Item 3)	IEEE802.11a/n/ac	■	○
	Except above	○	
5GHz band Low-Power Data Communication System (O: Art. 49-20, Item 4)	IEEE802.11a/n/ac	■	○
	Except above	○	
5GHz band Low-Power Data Communication System (O: Art. 49-20, Item 5)	IEEE802.11ac	■	○
	Except above	○	
Semi-millimeter wave band Low-Power Data Communication System (O: Art. 49-20, Item 6)		△	
Millimeter wave band Low-Power Data Communication System (O: Art. 49-20, Item 7)	IEEE802.11ad	○	
	Except above	○	

○：General wireless-communication procedure △：The applicable method is only Case 1 (The wireless-communications protocol is not common) ■：Included in Article 34-8 (main: Art.34-8, Sub: Art.9)

E：Ordinance for Enforcement of the Radio Act O：Ordinance Regulating Radio Equipment

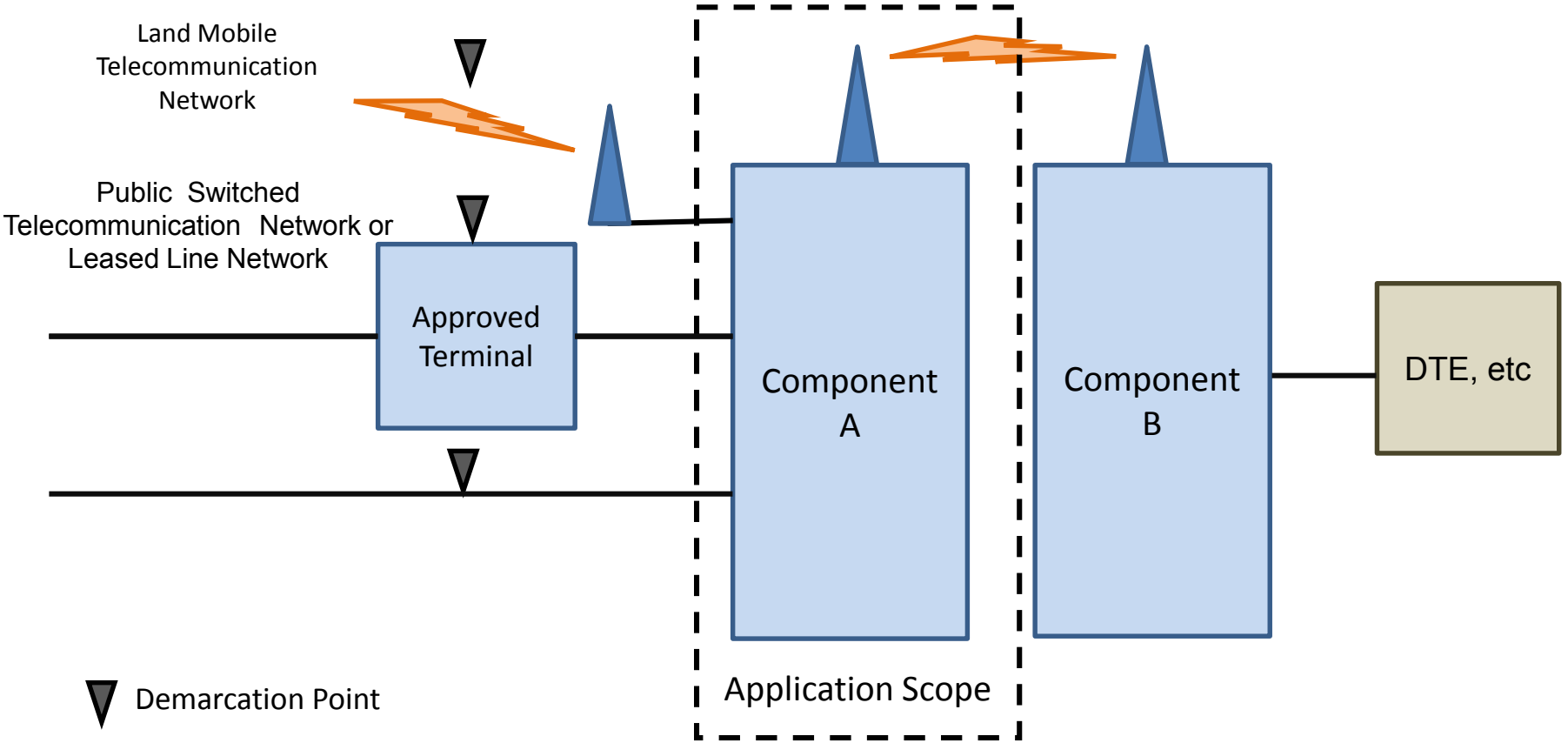
Scope of application object on Article 9 (1/3)

Case 1: General application



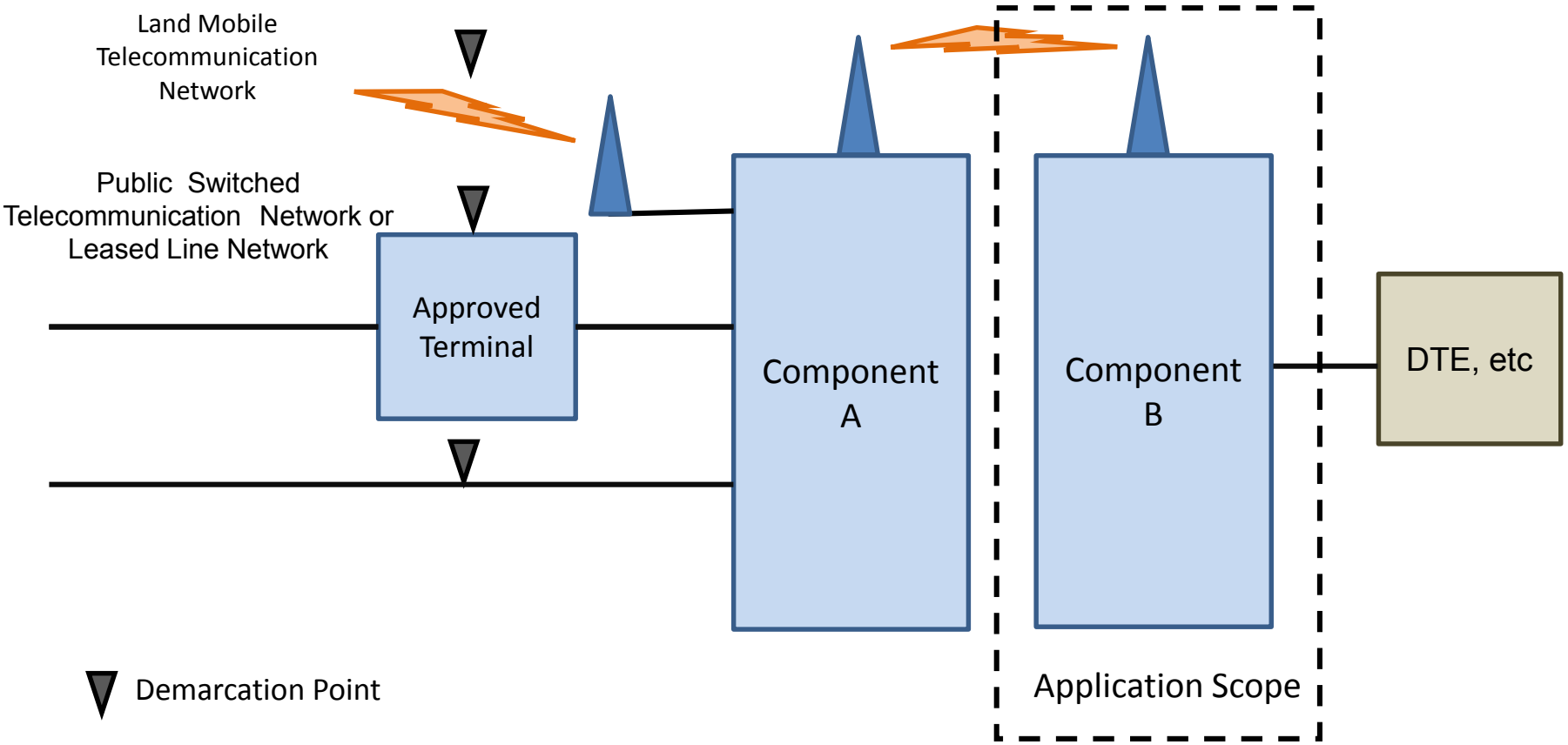
Scope of application object on Article 9 (2/3)

Case 2: In case of Master terminal (Component A) which is the system without the slave equipment as “Case 1” (Under typical wireless communication protocol)



Scope of application object on Article 9 (3/3)

Case3: In case of Client Terminal (component B) which connects to the existing approved Master equipment (Under typical wireless communication protocol)

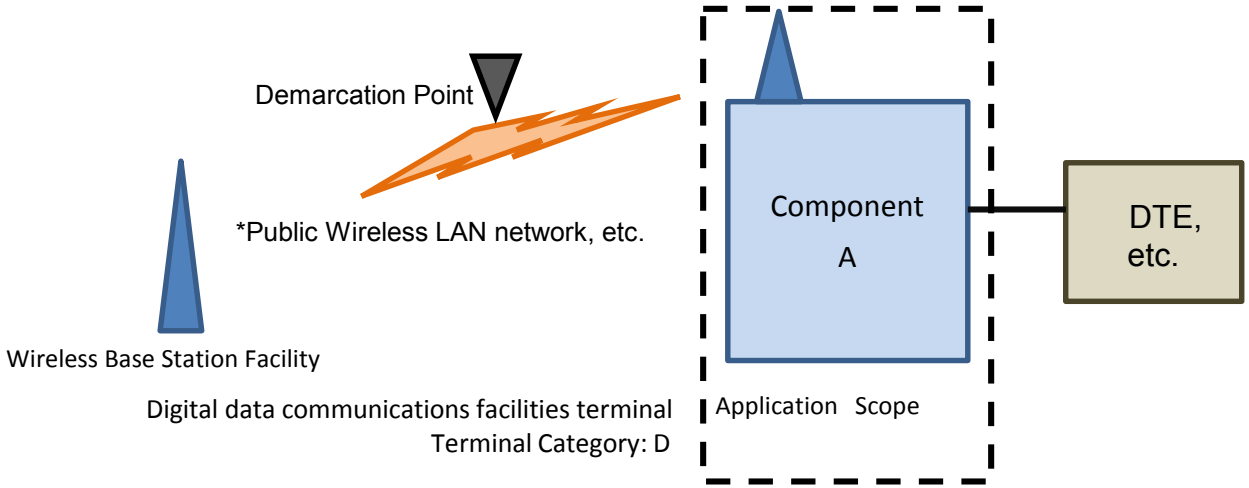


Revision of terminal facilities connected to private circuit or digital data communications facilities on Chapter 7 of terminal facilities, etc. under Telecommunications Business Act

Based on Article 34-8 notification No. 103(*), a wireless LAN-related terminal was prescribed to the appendix table No.5 which prescribed the terminal facilities using the radio wave in the connection with telecommunications facilities to offer for one of telecommunications business (terminals using radio facilities as the Leased line, etc terminals).

Adding to the Ministry of Internal Affairs and Communications notification No.103 (extract) appendix table No.5 as follows:
No.7. Electrical conditions, etc. of the terminal facilities using the radio facilities of the radio station of the Low Power data communications system to prescribe by Ordinance Regulating Radio Equipment Article 49-20, Item 1-5.

1 Length of the identification code
2 Judgment of the frequency of the radio wave to use being in condition to become vacant



By this rule, the connection form shown carries out terminal equipment certification other than a rule of Article 9 as terminals such as communication network-facilities for Leased Line of connection with the mobile public communication network, and the terminal equipment becomes the equipment of the mobile communication network which cannot be refused the connection by the Telecommunication Operator. Since the technical requirement of the notification No.103 is equal to the one established already in Article 9, this certification will be the "primary" and the certification by the Article 9 (case 3) will be the "secondary".

＊Notification (March 29, 2016 revision, the May 21, 2016 enforcement) to revise a part of the Ministry of Internal Affairs and Communications notification No.87 (matter to determine the electrical conditions of the terminal such as an Internet Protocol telephone terminal and Private Circuit facilities) in 2011

Reference : Ordinance Concerning Terminal Facilities, etc(Article 9)

Article 9 Terminal equipment that uses radio waves between sections included in the terminal facility must comply with the requirements indicated below.

1 An Identification Code (to identify radio facilities used as terminal facilities and referenced during setting of the speed path), which conforms to requirements published separately by the Minister of MIC, must be provided.

2 In accordance with the separately published notice from the Minister of MIC, this equipment must determine whether or not a frequency for utilizing electric waves is open. Only then, may it establish a communication channel with the open frequency. This stipulation, does not apply to cases specifically noted by the Minister of MIC.

3 The radio facility must be stored in a single cabinet which is not easily opened. This stipulation however, does not apply to cases specifically noted otherwise by the Minister of MIC.

*Related Notification: Identification codes and other conditions based on rules of Ordinance Concerning Terminal Facilities, etc (Article 9 of Ordinance Concerning Terminal Facilities, etc) :Ministry of Posts and Telecommunications, Notification No. 424 of 1994 (As amended last by Notification No. 479 of August 29, 2008)

Revision History

2010/04:	First Edition
2011/12/14:	Added “700 MHz band Intelligent Transport System” in the Annexed Table ~ due to Notification # 72, 1994, MIC
2013/04/01:	JATE changed to General Foundation
2013/12/25:	Added “Ultra Wide Band Wireless System” in the Annexed Table ~ due to revised Notification # 72, 1994, published 2013/12/25, MIC
2015/11/30:	Changed “Millimeter wave Data Transmission of Specified Radio Equipment” to “Millimeter wave Low-Power Data Communication System” ~ due to revised Notification # 72, 1994, published 2015/11/30, MIC
2016/05/21:	Added a technical regulation for Public Wireless LAN in Art.34-8 ~ due to revised Notification # 87, 2011, published 2016/3/29, MIC