

## Notification of the National Telecommunications Commission

Re: Nature and Categories of Telecommunications Business

Translation

Whereas Section 51 (2) of the Act on Organization to Assign Radio Frequency and to Regulate the Broadcasting and Telecommunication Services, B.E. 2543 (2000) has vested upon the National Telecommunications Commission the authority to determine the nature and categories of telecommunications businesses; and by virtue of Section 7 of the Telecommunications Business Act, B.E. 2544 (2001), which requires any person who wishes to operate these telecommunications businesses to obtain appropriate telecommunication business license, the National Telecommunications Commission thereby issues a Notification on Nature and Categories of Telecommunications Businesses as follows:

### Clause 1

The nature and categories of telecommunications business are determined by their being a network or facility-based and a service-based business as follows:

- 1.1 Considering their telecommunications network ownership and possessory right, telecommunications businesses with own telecommunications network shall be classified by nature of their telecommunications business into 4 categories as follows:
  - 1.1.1 Network provider and service provider
  - 1.1.2 Network provider only
  - 1.1.3 Leasing the network for service provider only
  - 1.1.4 Telecommunications facilities
- 1.2 Service-based telecommunication businesses shall be classified by the nature of their information based services provided to end users which fall into 3 categories as follows:
  - 1.2.1 Voice service
  - 1.2.2 Data service
  - 1.2.3 Multimedia service

Examples of telecommunications businesses classified according to their nature and categories appear in Appendices A and B in the Addendum to this Notification.

### Clause 2

The National Telecommunications Commission may issue additional notification on the nature and categories of telecommunications businesses at a later date.

### Clause 3

This Notification shall take effect from the date of its promulgation in the Government Gazette.

Issued on the 20<sup>th</sup> day of June 2005

General Choochart Promphrasid

Chairman of the National Telecommunications Commission

## Appendix A

Examples of Telecommunications Business Networks  
Addendum to the Notification of the National Telecommunications Commission  
Re: Nature and Categories of Telecommunications Business

Networks	Public Telecommunications Service Applications	Scope of use
Wireline	Submarine cable, optical fiber, copper cable, power line communication (PLC), for example, <ul style="list-style-type: none"> <li>- Circuit Switched</li> <li>- Packet Switched</li> <li>- Leased Circuit</li> <li>- Telex</li> <li>- Facsimile</li> <li>- Voice over IP</li> <li>- Computer voice over</li> <li>- Telephone</li> </ul>	International Domestic long distance Domestic area-specific
Frequency networks <sup>1 and 2</sup>	Satellite telecommunications networks, for example, <ul style="list-style-type: none"> <li>- Satellite data transfer</li> <li>- Satellite Up/Down Link</li> <li>- Satellite Internet</li> <li>- Transmission of TV and Radio broadcasting signal via satellite</li> </ul>	International Domestic long distance Domestic area-specific

<sup>1</sup> Under the Telecommunications Business Act, B.E. 2544 (2001)

<sup>2</sup> Under the Act on the Organizations to Assign Radio Frequencies and to Regulate Broadcasting and Telecommunication Services, B.E. 2543 (2000) and the Radio Communications Act, B.E. 2498 (1955) and its amendment.

Networks	Public Telecommunication Service Applications	Scope of use
Frequency networks <sup>1 and 2</sup>	Radio communications links, for example, <ul style="list-style-type: none"> <li>- Photonic Link</li> <li>- Data transfer link in the microwave range</li> <li>- One-way data transfer link</li> <li>- Frequency Internet services, for example, Worldwide Interoperability for Microwave Access: WiMAX</li> </ul>	Domestic long distance Area-specific domestic
	Public Cellular Mobile Telephone Network, for example, Public Frequency Mobile Telephone Service on 470, 800, 1,800, 1,900 MHz	International Domestic long distance Area-specific domestic
	Public Trunked Radio Service, for example, <ul style="list-style-type: none"> <li>- Trunked Radio</li> <li>- Single Channel</li> <li>- Multi Channel</li> </ul>	Domestic long distance Area-specific domestic
	Wireless telephone networks, for example, <ul style="list-style-type: none"> <li>- Wireless Local Loop: WLL</li> <li>- Personal Communication Telephone: PCT</li> </ul>	Domestic long distance Area-specific domestic
Telecommunications service facilities	<ul style="list-style-type: none"> <li>- Infrastructure, for example, buildings, poles, wiring system and pipes</li> <li>- Data Center</li> </ul>	International Domestic long distance Area-specific domestic

<sup>1</sup> Under the Telecommunications Business Act, B.E. 2544 (2001)

<sup>2</sup> Under the Act on the Organizations to Assign Radio Frequencies and to Regulate Broadcasting and Telecommunication Services, B.E. 2543 (2000) and the Radio Communications Act, B.E. 2498 (1955) and its amendment.

## Appendix B

Examples of Telecommunications Services  
Addendum to the Notification of the National Telecommunications Commission  
Regarding Nature and categories of Telecommunications Business

Types of Information	Public Telecommunications Service Applications		Scope of use
Voice, Audio	Voice service	Public switched telephone service via circuit or packet switched networks, such as PSTN and ISDN <sup>1</sup> . Public Cellular Mobile Telephone Service <sup>1 and 2</sup>	International Domestic long distance Area-specific domestic locations
		Satellite Public Cellular Mobile Telephone Service <sup>1 and 2</sup>	International Domestic long distance
		Voice over IP	International Domestic long distance Area-specific domestic locations
		International Calling Card: ICC <sup>1</sup>	International
		Domestic Calling Card: DCC	Domestic long distance
		International Call-back	International
		International Direct Dialing: IDD	International
		Audiotext <sup>1</sup> and Live Audiotext <sup>1</sup> services	Domestic long distance Area-specific domestic locations
		Public pay phone network <sup>1</sup> service	Area-specific domestic locations Domestic long distance

<sup>1</sup> Under the Telecommunications Business Act, B.E. 2544 (2001)

<sup>2</sup> Under the Act on the Organizations to Assign Radio Frequencies and to Regulate Broadcasting and Telecommunication Services, B.E. 2543 (2000) and the Radio Communications Act, B.E. 2498 (1955) and its amendment.

Types of Information	Public Telecommunications Service Applications		Scope of use
Voice, Audio	Voice service	International Simple Resale: ISR <sup>1</sup>	International Domestic long distance Area-specific domestic locations
		Public Radio communication <sup>1</sup> and <sup>2</sup> , such as: - Trunked Radio - Multi-Channel - Single-Channel - Personal Communications Telephone: PCT or Wireless Local Loop	Domestic long distance Area-specific domestic locations
Data, Text	Text, number and code service	- Telegraph <sup>1</sup> - Telex <sup>1</sup> - Facsimile <sup>1</sup>	International Domestic long distance Area-specific domestic locations
		Data transfer via submarine cable, optical fiber, power line communication	International Domestic long distance Area-specific domestic locations
		Data transfer using Photonic Link <sup>1</sup>	Domestic long distance Area-specific domestic locations

<sup>1</sup> Under the Telecommunications Business Act, B.E. 2544 (2001)

<sup>2</sup> Under the Act on the Organizations to Assign Radio Frequencies and to Regulate Broadcasting and Telecommunication Services, B.E. 2543 (2000) and the Radio Communications Act, B.E. 2498 (1955) and its amendment.

Types of Information	Public Telecommunications Service Applications		Scope of use
Data, Text	Text, number and code service	Terrestrial Link, for example, Radio Link <sup>1 and 2</sup>	Domestic long distance Area-specific domestic locations
		High-speed Data Transfer <sup>1 and 2</sup> (Narrowband, Broadband)	International Domestic long distance
		Satellite Data Transfer <sup>1 and 2</sup> , for example, VSAT	International Domestic long distance Area-specific domestic locations
		Paging <sup>1 and 2</sup>	International
		VRwireless <sup>1 and 2</sup>	Domestic long distance
		Leased Circuit <sup>1</sup>	International
		VPN (Virtual Private Network)	International
		Store-and-Retrieve Service <sup>1</sup>	Domestic long distance Area-specific domestic locations
		Store-and-Forward Service <sup>1</sup>	
Data, Text	Visual	Facsimile <sup>1</sup> or Video text	Area-specific domestic locations Domestic long distance

<sup>1</sup> Under the Telecommunications Business Act, B.E. 2544 (2001)

<sup>2</sup> Under the Act on the Organizations to Assign Radio Frequencies and to Regulate Broadcasting and Telecommunication Services, B.E. 2543 (2000) and the Radio Communications Act, B.E. 2498 (1955) and its amendment.

Types of Information	Public Telecommunication Service Applications		Scope of use
Multimedia	Voice Information And Visual Service	Internet Service <sup>1 and 2</sup>	International Domestic long distance Area-specific domestic locations
		High Speed Internet <sup>1 and 2</sup>	International Domestic long distance Area-specific domestic
		Satellite Internet <sup>1 and 2</sup>	International Domestic long distance Area-specific domestic locations
		Video Conference <sup>1 and 2</sup>	International Domestic long distance Area-specific domestic
		Internet Exchange Service <sup>1</sup>	International Domestic long distance Area-specific domestic
		Supplementary services, such as Public Cellular Mobile Telephone <sup>1</sup> Network services	International Domestic long distance Area-specific domestic

<sup>1</sup> Under the Telecommunications Business Act, B.E. 2544 (2001)

<sup>2</sup> Under the Act on the Organizations to Assign Radio Frequencies and to Regulate Broadcasting and Telecommunication Services, B.E. 2543 (2000) and the Radio Communications Act, B.E. 2498 (1955) and its amendment.

Types of Information	Public Telecommunication Service Applications		Scope of use
Voice and Information	Voice and Information	Specific radio communication, for example, –private sector, for example, oil drilling, mining, ships, aviation, etc. –government sector, for example, military, police, civil servants, state enterprises	Area-specific domestic locations
		(Ham Radio) Volunteers	International Domestic long distance Area-specific domestic
Voice	Voice	Government organizations, for example, Local Administration Organizations	Area-specific domestic locations
		Public charity	
		Mass communication	
Multimedia	Voice, information and visual	Radio communication technology research and development	

<sup>1</sup> Under the Telecommunications Business Act, B.E. 2544 (2001)

<sup>2</sup> Under the Act on the Organizations to Assign Radio Frequencies and to Regulate Broadcasting and Telecommunication Services, B.E. 2543 (2000) and the Radio Communications Act, B.E. 2498 (1955) and its amendment.

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