

EXECUTIVE OFFICE OF THE PRESIDENT  
OFFICE OF THE UNITED STATES TRADE REPRESENTATIVE  
WASHINGTON, D.C. 20508

October 7, 2003

Mr. Leong Keng Thai  
Deputy Chief Executive/Director-General (Telecoms)  
Infocomm Development Authority of Singapore  
8 Temasek Boulevard  
#14-00 Suntec Tower Three  
Singapore 038988

Dear Mr. Leong:

I have the honor to inform you that the Government of the United States of America is prepared to implement Phase I and Phase II of the Asia-Pacific Economic Cooperation Mutual Recognition Arrangement for Conformity Assessment of Telecommunications Equipment (APEC Telecom MRA) with the Government of Singapore for equipment subject to the telecommunications and Electro-Magnetic Compatibility (EMC) regulations of the United States.

The United States confirms that it is prepared to initiate participation in the general provisions, Appendix A, Appendix B (Phase I Procedures) and Appendix C (Phase II Procedures) of the APEC Telecom MRA with Singapore. The exchange of these letters will constitute the official agreement to commence the implementation of the APEC TEL MRA between our two economies. The text of the APEC Telecom MRA is an integral part of this letter.

Specifically, the United States will apply the Phase I Procedures for the recognition of a test laboratory designated by Singapore and for the acceptance of test reports prepared by such recognized Conformity Assessment Bodies (CABs) for equipment subject to the telecommunications and EMC regulations of the United States. The United States will also apply the Phase I procedures for the designation of a CAB to test equipment subject to the telecommunication and EMC regulations of Singapore.

In addition, the United States will apply the Phase II Procedures for the recognition of a certification body designated by the Singapore and for the acceptance of the certification results of equipment certified by such recognized CAB for equipment subject to the telecommunications and EMC regulations of the United States. The US will also apply the Phase II Procedures for the designation of a CAB to certify equipment subject to the telecommunication and EMC regulations of Singapore.

Attached is the list of Technical Regulations for which the United States will accept the results of conformity assessment of a Singapore recognised CAB. Any modifications to this list will be notified in accordance with the general provisions of APEC Tel MRA.

I am pleased to inform you that the Federal Communications Commission is the telecommunications regulatory authority of the United States responsible for recognizing CABs. Mr. William Hurst ([whurst@fcc.gov](mailto:whurst@fcc.gov)) is the contact for the FCC for the purposes of this arrangement. The National Institute of Standards and Technology (NIST) of the US is the designating authority responsible for designating CABs. Mr. Jogindar Dhillon ([dhillon@nist.gov](mailto:dhillon@nist.gov)) is contact person for NIST responsible for the activities under this mutual recognition arrangement.

From the date of the exchange of these letters, the United States may designate testing laboratories and certification bodies in accordance with the general provisions, Appendix A, Appendix B, and Appendix C of the APEC Telecom MRA. The United States understands that designation and recognition of CABs will occur only after the necessary training and exchanges of technical criteria and related information for accrediting CABs has taken place.

Sincerely,



Ralph F. Ives

Assistant U.S. Trade Representative for  
Southeast Asia, Pacific and APEC Affairs

Attachments: Annex I – List of the FCC Technical Regulations

cc: APEC TEL WG Chair  
Chairman of MRA Task Force Group

# ANNEX I

## TO PHASE I PROCEDURES

### LIST OF TELECOM AND EMC REGULATIONS OF THE US GOVERNMENT

The technical regulations for which the U.S. Government will accept test reports from recognized Conformity Assessment Bodies (CABs) designated by other parties are:  
(Note: CFR stands for United States Code of Federal Regulations)

- 1) The Rules and Regulations for Electromagnetic Compatibility (EMC) requirements are contained in the Rules parts of the Federal Communications Commission shown below:

Administrative Provisions	47 CFR Part 2
Electromagnetic Requirements	47 CFR Parts 15 and 18

Web site: [www.fcc.gov/oet/info/rules/](http://www.fcc.gov/oet/info/rules/)

- 2) The U.S. FCC Rules and Regulations for Telephone Terminal Equipment are contained in:
  - a. The FCC Rule parts shown below:

Administrative Provisions	47 CFR Parts 2
Telephone Terminal Equipment	47 CFR Parts 68

Web site: [www.fcc.gov/wtb/rules.html](http://www.fcc.gov/wtb/rules.html)

- b. Technical criteria published by the Administrative Council for Terminal Attachments (ACTA). (See CFR §68.7)

Web site: <http://www.part68.org/documents.cfm>

*Note: The requirements for telephone terminal equipment were privatized and transferred to the Administrative Council for Terminal Attachments in the Report and Order in CC Docket 99-216, adopted by the FCC in November, 2000. The FCC does not require laboratories performing measurements on telephone terminal equipment to be accredited. The FCC no longer accepts applications for Part 68 certification. However, certification of telephone terminal equipment to Part 68 may be performed by Telecommunication Certification Bodies (TCBs).*

- 3) The U.S. FCC Rules and Regulations for Licensed Radio Service Equipment are contained in the FCC Rule Parts shown below:

Administrative Provisions	47 CFR Part 2
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Commercial Mobile Radio	47 CFR Part 20
Domestic Public Fixed	47 CFR Part 21
Domestic Mobile	47 CFR Part 22
Personal Communication Service	47 CFR Part 24
Satellite Communications	47 CFR Part 25
Broadcast	47 CFR Part 73
Auxiliary Broadcast	47 CFR Part 74
Cable Television Radio	47 CFR Part 78
Maritime	47 CFR Part 80
GMDSS	47 CFR Part 80W
Private Land Mobile	47 CFR Part 90
Private-Fixed Microwave	47 CFR Part 94
Personal Radio Services	47 CFR Part 95 F
IVDS	47 CFR Part 95
Amateur Radio	47 CFR Part 97
Radio Frequency Devices	47 CFR Part 15
Fixed Microwave Services	47 CFR Part 101

Web site: [www.fcc.gov/wtb/rules/html](http://www.fcc.gov/wtb/rules/html)

*Note: The FCC does not require laboratories performing measurements on licensed radio service equipment to be accredited; however, to submit an application for certification to a TCB the laboratory must demonstrate competency to perform the tests.*

08 October 2003

Mr Ralph F. Ives  
Assistant U.S. Trade representative for Southeast Asia, Pacific and APEC Affairs  
United State Trade Representative  
600, Seventeenth Street, NW  
Washington, DC 20508  
U.S.A.

Dear Mr Ives,

I have the honor to inform you that the Government of Singapore is prepared to implement Phase I and Phase II of the Asia-Pacific Economic Cooperation Mutual Recognition Arrangement for Conformity Assessment of Telecommunications Equipment (APEC Telecom MRA) with the Government of the United States for equipment subject to the telecommunications and Electro-Magnetic Compatibility (EMC) regulations of Singapore.

Singapore confirms that it is prepared to initiate participation in the general provisions, Appendix A, Appendix B (Phase I Procedures) and Appendix C (Phase II Procedures) of the APEC Telecom MRA with the United States. The exchange of these letters will constitute the official agreement to commence the implementation of the APEC TEL MRA between our two economies. The text of the APEC Telecom MRA is an integral part of this letter.

Specifically, Singapore will apply the Phase I Procedures for the recognition of a test laboratory designated by the United States and for the acceptance of test reports prepared by such recognized Conformity Assessment Bodies (CABs) for equipment subject to the telecommunications and EMC regulations of Singapore. Singapore will also apply the Phase I procedures for the designation of a CAB to test equipment subject to the telecommunication and EMC regulations of the United States.

In addition, Singapore will apply the Phase II Procedures for the recognition of a certification body designated by the United States and for the acceptance of the certification results of equipment certified by such recognized CAB for equipment subject to the telecommunications and EMC regulations of Singapore. Singapore will also apply the Phase II Procedures for the designation of a CAB to certify equipment subject to the telecommunication and EMC regulations of the United States.

Attached is the list of Technical Regulations for which Singapore will accept the results of conformity assessment of the United States recognized CAB. Any modifications to this list will be notified in accordance with the general provisions of the APEC Telecom MRA.

I am pleased to inform you that Infocomm Development Authority of Singapore is the telecommunications regulatory authority of Singapore responsible for recognizing CABs. Ms Melinda Tan (melinda\_tan@ida.gov.sg) is a contact person for Infocomm Development Authority of Singapore for the purpose of this arrangement. The Infocomm Development Authority of Singapore is the designating authority responsible for designating CABs. Mr Foo Chee Yan (foo\_chee\_yan@id.gov.sg) is the contact person for Infocomm Development Authority of Singapore responsible for the activities under this mutual recognition arrangement.

From the date of the exchange of these letters, Infocomm Development Authority of Singapore may designate testing laboratories and certification bodies in accordance with the general provisions, Appendix A, Appendix B, and Appendix C of the APEC Telecom MRA. Singapore understands that designation and recognition of CABs will occur only after the necessary training and exchanges of technical criteria and related information for accrediting CABs has taken place.

Sincerely,



Mr Leong Keng Thai  
Deputy Chief Executive/Director-General (Telecoms)  
Infocomm Development Authority of Singapore

Attachments: Annex I - List of Singapore's Technical Regulations

cc: APEC Tel WG Chair  
Chairman of MRA Task Force Group

**ANNEX I  
TO PHASE I AND II PROCEDURES**

**LIST OF TECHNICAL REGULATIONS FOR SINGAPORE**

The Technical Regulations for which the Singapore will accept test reports or equipment certifications from recognized Conformity Assessment Bodies designated by other Parties are:

**Table 1 - Type Approval Specifications For Line Terminal Equipment**

<b>No.</b>	<b>Reference</b>	<b>Date</b>	<b>Title of Specification</b>
1.	IDA TS ADSL 1	June 2000	Type Approval Specification for Asymmetric Digital Subscriber Line (Full-Rate ADSL) Modem
2.	IDA TS ADSL 2	Sep 2000	Type Approval Specification for Asymmetric Digital Subscriber Line Splitterless (G-Lite) Modem
3.	IDA TS BISDN 1	Dec 1999	Type Approval Specification for Terminal Equipment for connection to the Broadband Integrated Services Digital Network (B-ISDN)
4.	IDA TS DLCN 1	Dec 2000	Type Approval Specification for Digital Interfaces based on hierarchical bit rates of 2048 kbit/s, 34 368 kbit/s and 139 264 kbit/s
5.	IDA TS ISDN 1	Oct 2000	Type Approval Specification for connection of Terminal Equipment to Integrated Services Digital Network (ISDN) Basic Access
6.	IDA TS ISDN 2	Oct 2000	Type Approval Specification for connection of Terminal Equipment to Integrated Services Digital Network (ISDN) Primary Rate Access (PRA)
7.	IDA TS ISDN 3	Oct 2000	Type Approval Specification for Network Termination 1 (NT1) for connection to the ISDN Basic Access Interface
8.	IDA TS PSTN 1	Jul 2000	Type Approval Specification for connection of Terminal Equipment to Public Switched Telephone Network (PSTN)
9.	IDA TS PSTN 1 A-CLIP	Dec 1999	Type Approval Specification for Analogue Calling Line Identification Presentation Facility for connection to Public Switched Telephone Network (PSTN)
10.	IDA TS TLXN 1	Dec 1999	Type Approval Specification for connection of Terminal Equipment to Telex Network (TLXN)

**Table 2 - Type Approval Specifications For Radio-Communication Equipment**

No.	Reference	Date	Title of Specification
1.	IDA TS 1	Mar 2000	Type Approval Specification for Cordless Telephone Systems (CT0)
2.	IDA TS 2	Dec 1999	Type Approval Specification for Radio Amateur Equipment
3.	IDA TS 3	Dec 1999	Type Approval Specification for Wireless Data Communication Systems for use within the confined area of a building in frequency range 18.82 – 18.87 GHz and 19.16 – 19.21 GHz
4.	IDA TS 4	Dec 1999	Type Approval Specification for Handheld Portable Radio Transceivers operating in the Citizen Band of 27.12 MHz
5.	IDA TS 5	Jun 2001	Type Approval Specification for Radio Microphone Equipment
6.	IDA TS 6	Dec 1999	Type Approval Specification for On-Site Paging Service in the frequency bands of 27.12 MHz and 40.68 MHz
7.	IDA TS 7	Dec 1999	Type Approval Specification for Induction Loop Communication Systems
8.	IDA TS 8	Dec 1999	Type Approval Specification for VHF On-Site Paging Systems operating in the frequency bands of 151.125 MHz and 151.150 MHz
9.	IDA TS 9	Dec 1999	Type Approval Specification for Radio Telemetry and Telecommand Equipment operating in the frequency bands of 26.965 - 27.275 MHz and 29.725 - 30 MHz
10.	IDA TS 10	Aug 2001	Type Approval Specification for Radio Detection and Alarm Systems
11.	IDA TS 11	Dec 1999	Type Approval Specification for Medical and Biological Telemetry Devices
12.	IDA TS 12	Dec 1999	Type Approval Specification for Wireless Data Communication Systems for use within the confined area of a building
13.	IDA TS 13	Jan 2002	Type Approval Specification for Wireless Video Transmitter
14.	IDA TS 14	Apr 2002	Type Approval Specification for Radio Equipment and Devices in the frequency band of 433.79 - 434.79 MHz, 866.10 - 869.00 MHz, 924.00 - 925.00 MHz and 2,400.00 - 2,483.50 MHz
15.	IDA TS 101	Dec 1999	Type Approval Specification for frequency modulated VHF/UHF Radio Base and Mobile Station Equipment for use in the Land Mobile Radio Service
16.	IDA TS 102	Dec 1999	Type Approval Specification for frequency modulated VHF/UHF Radio Handheld or Portable Equipment for use in the Land Mobile Radio Service
17.	IDA TS 104	Dec	Type Approval Specification for Radio Pagers



**Table 2 - Type Approval Specifications For Radio-Communication Equipment**

No.	Reference	Date	Title of Specification
		1999	
18.	IDA TS 105	Dec 1999	Type Approval Specification for UHF Receiver for use in the International Paging Service operating in the frequency 931.9375 MHz
19.	IDA TS 106	Dec 1999	Type Approval Specification for Cordless Telephone (CT-2)
20.	IDA TS 107	Dec 1999	Type Approval Specification for Analogue Trunked Radio (Mobile/Base/Repeater)
21.	IDA TS 108	Dec 1999	Type Approval Specification for Analogue Trunked Radio (Handheld/Portable)
22.	IDA TS 110	Dec 1999	Type Approval Specification for Cordless Telephone (CT-3) for use within the confined area of a building
23.	IDA TS 111	Dec 1999	Type Approval Specification for Radio Data Communication Equipment
24.	IDA TS 112	Dec 1999	Type Approval Specification for Multi-Channel Portable Radio for localised communications
25.	IDA TS 113	Dec 1999	Type Approval Specification for Two-Way Radio Pagers
26.	IDA TS CDMA 1900	Dec 1999	Type Approval Specification for CDMA 1900 Mobile Equipment
27.	IDA TS DECT	Dec 1999	Type Approval Specification for DECT Equipment for use within the confined area of a building
28.	IDA TS GMPCS	Dec 1999	Type Approval Specification for Global Mobile Personal Communication by Satellite (GMPCS) Terminals in the Bands 1 – 3 GHz
29.	IDA TS GSM 900 & 1800 (Phase 1, 2 & 2+)	May 2000	Type Approval Specification for GSM 900 & GSM 1800 Mobile Equipment Phase 1, 2 & 2+
30.	IDA TS PHS V1	Jun 2001	Type Approval Specification for PHS Equipment (Version 1) for use within the confined area of a building
31.	IDA TS PHS V2	Jun 2001	Type Approval Specification for PHS Equipment (Version 2) for use within the confined area of a building
32.	IDA TS SRRS	May 2001	Type Approval Specification for Short Range Radar System in 76 GHz – 77 GHz for use in Road Transport and Traffic Telematics Applications
33.	IDA TS SSS	Apr 2002	Type Approval Specification for Spread Spectrum System (Wireless LAN & Bluetooth Devices)
34.	IDA TS TETRA	Dec 1999	Type Approval Specification for Terrestrial Trunked Radio (TETRA) Equipment (Base/Mobile)

**Table 3 - Type Approval Specifications For Electromagnetic Compatibility (EMC)**

<b>No.</b>	<b>Reference</b>	<b>Date</b>	<b>Title of Specification</b>
1.	IDA TS EMC	Mar 2000	EMC Requirements for Telecommunication Equipment

**4 Guide for Approval of Telecommunication Equipment (IDA GUIDE TA)**

**5 Scheme for Designation of Testing Laboratories and Certification Bodies**

**Note:** All the above documents are obtainable from IDA's Website: [www.ida.gov.sg](http://www.ida.gov.sg)