



## Mutual Recognition Arrangements (MRA)

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### Scheme

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## Designating Local Testing Laboratories and Certification Bodies for Conformity Assessment

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### IMDA MRA DES SCHEME

Issue 1 Rev 3, December 2019

Info-communications Media Development Authority  
Info-communications Resource & Technology Division  
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## 1 Introduction

- 1.1 The Info-communications Media Development Authority (“IMDA”) designates Singapore testing laboratories and product certification bodies as conformity assessment bodies (“CAB”) for conformity assessment of telecommunication equipment to IMDA's technical regulations (see Annex 2).
- 1.2 IMDA may also designate Singapore CABs for conformity assessment to the technical regulations of foreign economies that have Mutual Recognition Arrangements (“MRA”) with IMDA Singapore.
- 1.3 This document outlines the process to be followed and the conditions and requirements to be fulfilled by applicants requesting for designation of testing laboratories or certification bodies to perform conformity assessment.
- 1.4 Under this Scheme, IMDA recognises a CAB designated by IMDA for testing and/or certification to IMDA's technical regulations.
- 1.5 Under the conditions and procedures specified in an MRA, MRA Parties will normally recognise a CAB designated by IMDA for testing and/or certification to the MRA Parties' technical regulations.
- 1.6 Designation means the authorisation by a Designating Authority of a CAB to undertake specified conformity assessment activities under the terms of an MRA. This may include procedures defined by MRA Parties for telecommunication equipment and the associated electromagnetic compatibility (“EMC”) and/or electrical safety requirements.

## 2 References

ISO/IEC 17025: 2017 or ISO/IEC 17025:2005 (valid until 29 November 2020)	General requirements for the competence of testing and calibration laboratories
ISO/IEC 17065: 2012	Conformity Assessment – Requirements for bodies certifying products, processes and services

## 3 Definitions

**Accreditation Body (“AB”)** is a body appointed by a Party to conduct and administer an accreditation system that grants accreditation to testing laboratories or certification bodies for conformity assessment of telecommunication equipment.

**Administrative Arrangements** are publicly available procedures or legal arrangements within a Party's jurisdiction which have impact on the conformity assessment procedures for telecommunication equipment within the scope of an MRA.

**Conformity Assessment** is any activity concerned with determining that the relevant requirements are fulfilled. Typical examples of conformity assessment activities are testing, evaluation, verification, assurance of conformity (supplier's declaration and certification), registration, accreditation and approval as well as their combinations.

**Conformity Assessment Body (“CAB”)** refers to a third party or a supplier's Testing Laboratory (“TL”), or a Certification Body (“CB”) that performs conformity assessment to an importing Party's Technical Regulations.

**Designating Authority (“DA”)** is a body with authority and competence to designate, list, verify the compliance of, limit the designation of, and withdraw the designation of CABs within its jurisdiction.

**Designated CAB** refers to a conformity assessment body (TL or CB) designated by DA (IMDA) or DA (MRA partner).

**Designated TL** refers to a Testing Laboratory designated by DA (IMDA) or DA (MRA partner).

**Designated CB** refers to a Certification Body designated by DA (IMDA) or DA (MRA partner).

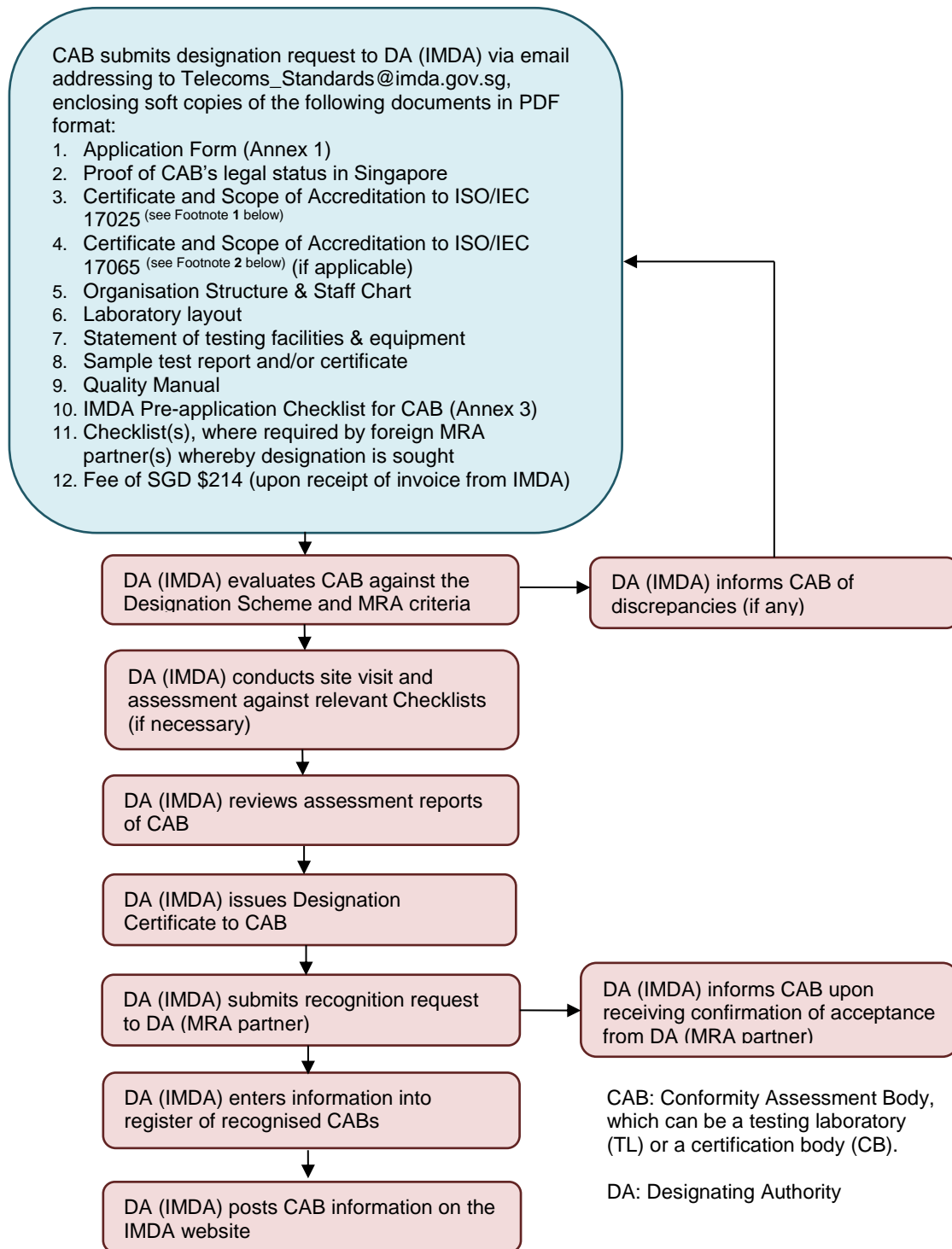
**Party** refers to a member economy that chooses to join an MRA.

**Supplier** refers to the party that is responsible for ensuring that products meet and, if applicable, continue to meet, the requirements on which the certification is based.

**Technical Regulations** are those technical requirements, legislative and regulatory provisions, and administrative arrangements that a Party has specified pertaining to the registration, testing or certification of equipment in which compliance is mandatory.

**Telecommunication equipment** or **equipment** refers to line terminal equipment and radio-communication equipment.

## 4 Conceptual Scheme of Designation



Footnotes:

1) The TL has been accredited to ISO/IEC 17025:2017 or ISO/IEC 17025:2005 (valid until 29 November 2020) for one or more of the IMDA Technical Specification(s) listed in Annex 2, and the scope of any foreign MRA partner(s) whereby designation is sought.

2) The CB has been accredited to ISO/IEC 17065 and accredited to ISO/IEC 17025:2017 or ISO/IEC 17025:2005 (valid until 29 November 2020) for one or more of the IMDA Technical Specification(s) listed in Annex 2, and the scope of any foreign MRA partner(s) whereby designation is sought.

Schematic Diagram for Designation of CABs

## **5 Designating Authority**

- 5.1 IMDA, as the Designating Authority in Singapore, designates TLs and CBs as CABs for conformity assessment of telecommunication equipment to IMDA's technical specifications.
- 5.2 Where required to act as the DA under an MRA, IMDA will designate CABs in Singapore for recognition by the other MRA Parties as specified under the MRA.

## **6 Scope of Designation**

- 6.1 Application for designation is open to any TL or CB which conducts its business of conformity assessment in Singapore. TLs and CBs accredited by the Singapore Accreditation Council ("SAC") may apply for designation using the Application Form (Annex 1), stating the scope of designation, including the scope of foreign MRA partner(s) if any. The scope of designation is limited to the scope for which accreditation is granted by the SAC.
- 6.2 IMDA designates CABs in Singapore for the testing and certification of telecommunication equipment and the electromagnetic compatibility, radiation safety and electrical safety requirements of such equipment.
- 6.3 Designation for MRA purposes will be carried out in accordance with the provisions of the applicable MRA. Foreign TLs and CBs may contact their DAs for designation and notification to IMDA provided that their economies have an MRA with IMDA Singapore. Please refer to the "IMDA Scheme for Recognising Foreign Testing Laboratories and Certification Bodies for Conformity Assessment of Telecommunication Equipment" (IMDA MRA REC Scheme) for more information, which is obtainable from the IMDA website.

## **7 Scope of Accreditation**

- 7.1 TLs may be accredited by SAC and designated by IMDA to carry out tests to one or more of the applicable IMDA technical regulations for the line terminal and/or radio-communication equipment under test (see Annex 2).
- 7.2 CBs may be accredited by SAC and designated by IMDA to certify equipment to one or more of the applicable IMDA technical regulations under the scope for line terminal and/or radio-communication equipment in Annex 2. The scope of equipment permitted is dependent on the CBs' core testing capabilities, knowledge and expertise in evaluating test data and reports to the IMDA technical regulations.

## **8 Eligibility of Testing Laboratories and Certification Bodies**

- 8.1 To be eligible for designation as an IMDA recognised TL, the applicant or organisation must fulfil the following requirements:
  - (a) Must be an entity legally identifiable and located in Singapore;
  - (b) Must be accredited by SAC in accordance with ISO/IEC 17025 (see Footnote 1) for TLs in the relevant areas of telecommunications, EMC or electrical safety; the accreditation shall be relevant to the equipment types and technical regulations for which designation is sought;
  - (c) Shall have the capability and technical competence in performing the tests against the technical regulations concerned; and
  - (d) Shall have expert knowledge of all the applicable technical regulations and administrative requirements relevant to the conformity assessment of the equipment.

- 8.2 To be eligible for designation as an IMDA recognised CB, the applicant or organisation must fulfil the following requirements:
- (a) Must be an entity legally identifiable and located in Singapore;
  - (b) Must be accredited by SAC in accordance with ISO/IEC 17065 (see Footnote 2) for equipment CBs in the relevant areas of telecommunications, EMC or electrical safety; the accreditation shall be relevant to the equipment types and technical regulations for which designation is sought;
  - (c) Shall have testing facilities accredited in accordance with ISO/IEC 17025 (see Footnote 2) in the relevant areas of telecommunications, EMC or electrical safety; the accreditation shall be relevant to the equipment types and technical regulations for which designation is sought; and/or have arrangements with TLs that are recognised by IMDA;
  - (d) Shall have the capability and technical competence in performing the tests and certification against the technical regulations concerned; and
  - (e) Shall have expert knowledge of all the applicable technical regulations and administrative requirements relevant to the conformity assessment of the equipment.

## 9 Application for Designation

- 9.1 Applications or enquiries for designation of CABs (TLs or CBs) should be sent via email, addressed to:

Manager  
Info-communications Resource & Technology  
Info-communications Media Development Authority (IMDA)

Email address: Telecoms\_Standards@imda.gov.sg

### 9.2 Application Package for Designation of Testing Laboratory

The email request for designation of TL shall include soft copies of the following documents as attachments in PDF format:

- (a) Application Form (format shown in Annex 1);
- (b) Documents showing proof of the TL as an identifiable legal entity;
- (c) Certificate and Scope of Accreditation to ISO/IEC 17025 (see Footnote 1) granted by SAC, indicating that the TL has been assessed and accredited to the technical regulations, standards or specifications for which designation is sought;
- (d) Organisation Structure and Staffing Chart;
- (e) Laboratory Layout;
- (f) Statement of testing facilities and description of test methods to be used for testing each particular technical regulation, standard or specification;
- (g) Sample copy of the test report to be used by the TL;
- (h) Quality Manual;
- (i) IMDA Pre-application Checklist for CAB (Annex 3);

- (j) Checklist(s) (as completed by SAC), where required by foreign MRA partner(s) to show that the TL meets the requirements of the scope whereby designation is sought; and
- (k) A fee of SGD \$214 (inclusive of 7% GST) shall be paid on receipt of IMDA's invoice. This fee is non-refundable. Payment of fees should be in cheques made payable to "IMDA".

### 9.3 Application Package for Designation of Certification Body

The email request for designation of CB shall include soft copies of the following documents as attachments in PDF format:

- (a) Documents showing proof of the CB as an identifiable legal entity;
- (b) Certificate and Scope of Accreditation to ISO/IEC 17065 granted by SAC, indicating that the CB has been assessed and accredited to the technical regulations, standards or specifications for which designation is sought;
- (c) Certificate and Scope of Accreditation to ISO/IEC 17025 granted by SAC, indicating that the CB has access to testing facilities accredited to ISO/IEC 17025 (see Footnote 1 in the relevant areas of telecommunications; or has arrangements with accredited TLs recognised by IMDA;
- (d) Organisation Structure and Staffing Chart;
- (e) Laboratory Layout;
- (f) Statement of testing facilities and description of test methods to be used for testing each particular technical regulation, standard or specification;
- (g) Sample copies of the test reports and certificate to be used by the certification body;
- (h) Quality Manual;
- (i) IMDA Pre-application Checklist for CAB (Annex 3);
- (j) Checklist(s) (as completed by SAC), where required by foreign MRA partner(s) to show that the CB meets the requirements of the scope whereby designation is sought; and
- (k) A fee of SGD \$214 (inclusive of 7% GST) shall be paid on receipt of IMDA's invoice. This fee is non-refundable. Payment of fees should be in cheques made payable to "IMDA".



## 10 Approval

- 10.1 During the evaluation of the application, applicant may be requested by IMDA for IMDA's representatives to visit the applicant's laboratories or premises to observe testing in progress and carry out whatever evaluations deemed necessary.
- 10.2 After completion of evaluation by the IMDA, the applicant will be informed of the outcome of the application. A Designation Certificate will be issued when IMDA is satisfied that the applicant has complied with the stipulated requirements.
- 10.3 Designation by IMDA does not imply the acceptance by IMDA of any responsibility for the services provided by the designated CAB (TL or CB).
- 10.4 The Designation is valid for a period of three (3) years with provision for renewal on expiry. Validity is subject to the continued accreditation by SAC.

## 11 Obligations of the Designated Testing Laboratory

- 11.1 Designated TLs shall ensure that they maintain their accreditation status from SAC.
- 11.2 Designated TLs shall ensure that their testing of equipment is in accordance with the procedures, rules and policies of IMDA or the requirements as provided for under the MRA.
- 11.3 Unless specifically approved by IMDA, designated TLs shall not conduct testing for prohibited equipment set out in the Third Schedule of the Telecommunication (Dealers) Regulations, listed as follows:
  - (a) Scanning Receivers;
  - (b) Military Communication Equipment;
  - (c) Telephone Voice Changing Equipment;
  - (d) Radio-communication Equipment operating in frequency bands 880-915 MHz, 925-960 MHz, 1900-1980 MHz and 2110-2170 MHz except Cellular Mobile Phones or such other equipment approved by IMDA; and
  - (e) Radio-communication Jamming Devices operating in any frequency band.
- 11.4 Designated TLs shall immediately notify IMDA on any of the following:
  - (a) Changes in its legal, commercial, organisation or accreditation status;
  - (b) Changes of premises or contact person;
  - (c) Changes that may affect continuing compliance with any of the criteria or requirements specified by IMDA or the relevant MRA partner(s).
- 11.5 Designated TLs shall fully indemnify and hold IMDA harmless from and against all liabilities, damages, claims, costs and expenses incurred or sustained by IMDA as a result of any action taken or omitted to be taken by IMDA relating to the designation of such TLs.
- 11.6 Designated TLs shall comply with such terms and conditions of designation as IMDA may publish from time to time.
- 11.7 Designated TLs shall comply with the technical regulations, TL roles and responsibilities, checklists, etc., which relevant foreign MRA partners may publish on their websites and updated from time to time.

## 12 Obligations of the Designated Certification Bodies

- 12.1 Designated CBs shall ensure that they maintain their accreditation status from SAC.
- 12.2 Designated CBs shall ensure that their testing, evaluation and certification of equipment is in accordance with the procedures, rules and policies of IMDA or the requirements as provided for under the MRA.
- 12.3 Equipment certification carried out by a designated CB shall be based on an application package of a certification scheme, comprising:
- (a) An application form;
  - (b) Test reports from type testing of a sample model of equipment to IMDA's technical regulations (telecommunications, EMC, electrical safety and EMR where applicable) by TLs accredited to ISO/IEC 17025 (see Footnote 2);
  - (c) Four colour photographs capturing front, rear, side view and product label of the equipment which shows trade and product name; and
  - (d) A set of technical documents consisting of a general description of the equipment, technical data, facilities supported by the equipment, sales brochures and other related documents.
- 12.4 Unless specifically approved by IMDA, designated CBs shall not conduct certification for prohibited equipment set out in the Third Schedule of the Telecommunication (Dealers) Regulations, listed as follows:
- (a) Scanning Receivers;
  - (b) Military Communication Equipment;
  - (c) Telephone Voice Changing Equipment;
  - (d) Radio-communication Equipment operating in frequency bands 880-915 MHz, 925-960 MHz, 1900-1980 MHz and 2110-2170 MHz except Cellular Mobile Phones or such other equipment approved by IMDA; and
  - (e) Radio-communication Jamming Devices operating in any frequency band.
- 12.5 Designated CBs using the services of subcontracting laboratories (outsourcing) shall remain responsible for the tests and shall ensure that the TL is designated by IMDA, or accredited to ISO/IEC 17025 (see Footnote 2) for testing to IMDA's technical regulations.
- 12.6 After issuing a certificate of conformity, the designated CB when requested by IMDA, shall submit a copy of the certificate and application package to IMDA in English Language.
- 12.7 Designated CBs shall have a record system which provides for a retention period of 5 years for documents related to the equipment certification.
- 12.8 The duties of a designated CB shall include the publishing and maintaining of a list of equipment certifications, submission of testing/evaluation/certification reports and other information, participation in appropriate proficiency testing programs and carrying out of tasks as requested by IMDA or required under the MRA, as appropriate. All information and reports submitted to IMDA shall be in English Language.
- 12.9 Designated CBs should perform post-certification surveillance activities for products certified by them as required by IMDA or the relevant MRA. Surveillance undertaken by the designated certification body should give assurance that certified products continue to comply with the technical regulations to which they are certified. Designated CBs should report results of the surveillance to IMDA.

- 12.10 If during post-certification surveillance of certified equipment, a designated CB determines that the equipment fails to comply with the applicable technical regulations, it shall immediately notify the equipment supplier, the appropriate importing Party and IMDA. The designated CB shall also provide a follow-up report within thirty days of the action taken by the supplier to correct the situation.
- 12.11 Designated CBs should have a procedure to inform IMDA within 14 days of any changes that will affect the conformity of the certified equipment.
- 12.12 Designated CBs shall not:
- (a) Grant a waiver of conformity to any of the applicable IMDA technical regulations;
  - (b) Grant a change in ownership of certificates; and
  - (c) Perform equipment certification on types of telecommunication equipment that do not have the applicable IMDA technical regulations or specifications established and published.
- 12.13 Designated CBs shall immediately notify IMDA on any of the following:
- (a) Changes in its legal, commercial, organisation or accreditation status;
  - (b) Changes of premises or contact person; and
  - (c) Changes that may affect continuing compliance with any of the criteria or requirements specified by IMDA or the relevant MRA partner(s).
- 12.14 Designated CBs shall fully indemnify and hold IMDA harmless from and against all liabilities, damages, claims, costs and expenses incurred or sustained by IMDA as a result of any action taken or omitted to be taken by IMDA relating to the recognition of such CBs.
- 12.15 Designated CBs shall comply with such terms and conditions as IMDA may publish from time to time.
- 12.16 Designated CBs shall comply with any updates to the technical regulations, CB roles and responsibilities, checklists, etc., which relevant MRA partners may publish on their websites and updated from time to time.

### **13 Reference to Designation Status**

- 13.1 Designated CABs (TLs or CBs) may advertise their designation status with regard to standards or parts thereof that are included in the scope of designation specified in the Designation Certificate and recognised by the respective MRA partners.
- 13.2 The advertisement must not imply or otherwise suggest that IMDA has endorsed the product or imply that the designated CAB is an agent or representative of IMDA.
- 13.3 CABs whose designations have been suspended or withdrawn for any reason shall discontinue advertisement of their designated status and not make any misleading statements regarding their designation status.

### **14 Post-designation Surveillance**

As and when required, IMDA will conduct surveillance assessments and other non-routine assessments on the designated CABs to ensure that standards of practice are maintained or to investigate complaints made against designated CABs on matters related to their designation.

### **15 Renewal of Designation / Extension of Scope of Designation**

The procedure and application package for renewal of designation, and/or for extension of scope of designation, shall be as outlined in the schematic diagram in § 4 and set out in § 9 of this document.

## **16 Withdrawal of Designation**

- 16.1 IMDA will suspend or withdraw the designation of a CAB (TL or CB) if:
- (a) The CAB 's accreditation by SAC is withdrawn;
  - (b) It is found that the CAB is not complying with the criteria or requirements of this scheme, or with the requirements that it was designated to; or
  - (c) IMDA determines there is a just cause for withdrawing the designation.
- 16.2 A CAB whose designation and recognition has been suspended or withdrawn will be removed from the list of designated CABs. Such action will, however, take place only after consultation between IMDA and the affected CAB. It is expected that the CAB would normally take immediate corrective action, to IMDA's satisfaction.
- 16.3 In situations where a formal review process exists, such as in MRAs, IMDA may only issue a designation suspension to the designated CAB upon the completion of the formal review process.

Info-communications Media Development Authority  
10 Pasir Panjang Road  
#03-01 Mapletree Business City  
Singapore 117438

Main Telephone No: 6377 3800



## Application for Designation of Testing Laboratories and Certification Bodies for Conformity Assessment of Telecommunication Equipment

Note 1: This form is also to be used for application for renewal and/or for extension of the scope of designation.

Note 2: Please submit a soft copy of the completed form via email addressed to Telecoms\_Standards@imda.gov.sg, together with email attachments of the following items in PDF format:

- a) This application form
- b) Document of proof of CAB's status as an entity legally identifiable and located in Singapore
- c) Certificate(s) and Scope(s) of Accreditation by SAC (to ISO/IEC 17025:2017 or ISO/IEC 17025:2005 (valid until 29 November 2020); and/or 17065), indicating the technical regulations, standards or specifications for which designation is sought
- d) Organisation Structure and Staffing Chart
- e) Laboratory Layout
- f) Statement of Testing Facilities and description of test methods to be used for testing each particular technical regulation, standard or specification
- g) Sample copy of the test report to be used by the laboratory
- h) Quality Manual
- i) IMDA Pre-application Checklist for CAB
- j) Checklist(s), where required by MRA partnering economies whereby designation is sought
- k) Application fee of \$214 (inclusive of 7% GST) to be submitted upon receipt of IMDA's invoice

Note 3: Payment should be made with a crossed cheque payable to "IMDA". The application fee is not refundable.

<b>APPLICANT'S NAME &amp; ADDRESS:</b>		<b>CONTACT NAME &amp; DESIGNATION:</b>
<b>TELEPHONE NO:</b>	<b>FACSIMILE NO:</b>	<b>E-MAIL ADDRESS:</b>

<b>TESTING LABORATORY/CERTIFICATION BODY'S NAME &amp; ADDRESS:</b>
<b>OPEN AREA TEST SITE'S ADDRESS (IF APPLICABLE):</b>

<b>STANDARD(S), SPECIFICATION(S) OR PART(S) THEREOF FOR WHICH DESIGNATION IS SOUGHT:</b> (If space is insufficient, please attach additional sheets)			
<u>Products</u>	<u>Types of Testing</u>	<u>Applicable Standards</u>	<u>Applicable MRA partnering economies</u>

<b>AGREEMENT: THE APPLICANT AGREES TO:</b>
<ol style="list-style-type: none"> <li>i) Fulfil all conditions and meet all requirements in accordance with the Scheme for Designating Testing Laboratories and Certification Bodies for Conformity Assessment of Telecommunication Equipment issued by the Authority; and</li> <li>ii) Indemnify the Authority from and against all liabilities, damages, claims, costs and expenses incurred or sustained by the Authority as a result of any action taken or omitted to be taken by the Authority relating to the designation of the CABs</li> </ol>

Applicant's Signature & Date

Name and Designation

Company's Stamp

## List of Technical Regulations

**Table 1 - Technical Specifications for Line Terminal Equipment**

No.	Reference	Date of Issue	Title of Specification
<b>1.</b>	<b>PSTN Terminal Equipment</b>		
	IMDA TS PSTN	Oct 2016	Technical Specification for Terminal Equipment connected to Network Terminating Equipment or the Public Switched Telephone Network for access to voice band services
<b>2.</b>	<b>ADSL Modems &amp; Access Equipment</b>		
	IMDA TS ADSL	Oct 2016	Technical Specification for Asymmetric Digital Subscriber Line Modems
<b>3.</b>	<b>ISDN Equipment</b>		
	IMDA TS ISDN	Oct 2016	Technical Specification for Terminal Equipment connected to the Integrated Services Digital Network
<b>4.</b>	<b>Digital Leased Circuit Equipment</b>		
	IMDA TS DLCN	Oct 2016	Technical Specification for Terminal Equipment connected to 2 Mbit/s, 34 Mbit/s and 140 Mbit/s Digital Leased Lines
<b>5.</b>	<b>Cable Modems</b>		
	IMDA TS CM	Oct 2016	Technical Specification for Cable Modems connected to High-Speed Data-Over-Cable-Systems
<b>6.</b>	<b>Home Networking</b>		
6.1	IMDA TS PLC	Oct 2016	Technical Specification for Powerline Communications Home Networking
6.2	IMDA TS CCHN	Oct 2016	Technical Specification for Coaxial Cable Home Networking

**Notes:** Please check and download the latest version (Issue & Revision or New standards) of the applicable IMDA Technical Specification in force, and track developments for new release, revision or withdrawal of any Technical Specification from IMDA's website: [www.imda.gov.sg](http://www.imda.gov.sg)

Where applicable, the requirements to comply with IEC 60950-1 or IEC 62368-1 for equipment safety and IEC CISPR 32 are defined in the IMDA Technical Specifications as part of the conformity assessment requirements together with the telecommunications part.

**Any change of technical requirements is highlighted in the Addendum/Corrigendum to the respective IMDA Technical Specifications.**

## List of Technical Regulations

**Table 2 - Technical Specifications for Radio-Communication Equipment**

No.	Reference	Date of Issue	Title of Specification
<b>1.</b>	<b>Short Range Devices</b>		
	IMDA TS SRD	Apr 2018	Technical Specification for Short Range Devices
<b>2.</b>	<b>Public Radio-communication &amp; Private Land Mobile Radio Equipment</b>		
	IMDA TS LMR	Oct 2016	Technical Specification for Land Mobile Radio Equipment
<b>3.</b>	<b>Radio Amateur Equipment</b>		
	IMDA TS AR	Oct 2016	Technical Specification for Amateur Radio Equipment
<b>4.</b>	<b>Cordless Telephones and Cordless Telecommunication Systems</b>		
	IMDA TS CT-CTS	Oct 2016	Technical Specification for Cordless Telephone and Cordless Telecommunication Systems
<b>5.</b>	<b>Digital Radio-communication Transceiver</b>		
5.1	IMDA TS CMT	Jul 2017	Technical Specification for Cellular Mobile Terminal
5.2	IMDA TS CBS	Jul 2017	Technical Specification for Cellular Base Station and Repeater System
5.3	IMDA TS GMPCS	Oct 2016	Technical Specification for Global Mobile Personal Communication by Satellite (GMPCS) Terminals
<b>6.</b>	<b>Wireless Broadband Access Equipment</b>		
	IMDA TS WBA	Oct 2016	Technical Specification for Wireless Broadband Access (WBA) Equipment
<b>7.</b>	<b>Ultra-Wideband (UWB) Devices</b>		
	IMDA TS UWB	Oct 2016	Technical Specification for Ultra-Wideband (UWB) Devices
<b>8.</b>	<b>2<sup>nd</sup> Generation Digital Terrestrial Television Broadcasting System (DVB-T2)</b>		
	IMDA TS DVB-T2 IRD	Nov 2017	Technical Specification for Integrated Receiver Decoder (IRD) for use with second generation Digital Terrestrial Television broadcasting system (DVB-T2)
<b>9.</b>	<b>Television White Space Devices</b>		
	IMDA TS WSD	Oct 2016	Technical Specification for Television White Space Devices (WSD)
<b>10.</b>	<b>Intelligent Transport System</b>		
	IMDA TS DSRC	Oct 2017	Technical Specification for Dedicated Short Range Communications (DSRC) in Intelligent Transport Systems (ITS)
<b>11.</b>	<b>Internet of Things</b>		
	IMDA TS IOT	Nov 2017	Technical Specification for Internet of Things (IoT)

**Note:** Please check and download the latest version (Issue & Revision or New standards) of the applicable IMDA Technical Specification in force, and track developments for new release, revision or withdrawal of any Technical Specification from IMDA's website: [www.imda.gov.sg](http://www.imda.gov.sg)

Where applicable, the requirements to comply with IEC 60950-1 or IEC 62368-1 for equipment safety and IEC CISPR 32 are defined in the IMDA Technical Specifications as part of the conformity assessment requirements together with the telecommunications part.

Any change of technical requirements is highlighted in the Addendum/Corrigendum to the respective IMDA Technical Specifications.

**(IMDA Pre-application Checklist\* for CAB)**

No.	Description	Yes/ No/ N.A.	Remarks, if any
1.	<p>Has the CAB obtained the checklist(s), as completed by SAC, where required by the foreign MRA partner(s) to show that the CAB meets the requirements of the scope whereby designation is sought?</p> <p>Notes:</p> <ul style="list-style-type: none"> <li>• Ref. to the website of the relevant foreign MRA partner for latest checklist, where available.</li> <li>• Some MRA partners, e.g. USA, requires different checklist for TL and CB.</li> </ul>		
2.	Is the CAB familiar with any Procedures for Recognition, Roles & Responsibilities, Standards and Technical Regulations as may be published by the foreign MRA partner(s) whereby designation is sought?		
3.	Has the CAB verified that the scope as requested in the Application for Designation Form (Annex 1) for recognition by IMDA and foreign MRA partner(s), matches the scope listed in the SAC Schedule of Accreditation which is valid at the point of application for designation?		

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\* Ensure that the TL is accredited to ISO/IEC 17025:2017 or ISO/IEC 17025:2005 (valid until 29 November 2020) for one or more of the IMDA Technical Specification(s) listed in Annex 2, and the scope of any foreign MRA partner(s) whereby designation is sought. In addition, designation for CB must also ensure that the CB is accredited to ISO/IEC 17065.



### Addendum/Corrigendum

Changes to IMDA MRA DES SCHEME Issue 1 Revision 2, January 2018			
New Page	New Ref.	Items Changed	Date of Issue
3, 5, 13  5, 8, 9, 11, 13  16  9, 11	Annex 3	<p>The IMDA MRA DES SCHEME has been updated with the following:</p> <ul style="list-style-type: none"> <li>▪ Added provision for acceptance for ISO/IEC 17025:2017 or ISO/IEC 17025:2005 (valid until 29 November 2020).</li> <li>▪ Added instruction for the applicant to submit any Checklist(s) where required by the foreign MRA partner(s) whereby designation is sought.</li> <li>▪ Replaced Annex 3 IMDA CB Checklist with IMDA Pre-application Checklist for CAB. This is to enhance the quality of the application package submission.</li> <li>▪ Added that designated CABs (TLs &amp; CBs) shall comply with any updates to the technical regulations, CAB roles and responsibilities, checklists, etc., which relevant MRA partners may publish on their websites from time to time.</li> <li>▪ Removed requirement to submit copies of contractual arrangement with testing laboratories for CBs.</li> </ul>	01 Dec 2019
15	Annex 2, Table 2	<p>List of Technical Regulations (Table 2 – Technical Specifications for Radiocommunication Equipment) has been updated with the following:</p> <ul style="list-style-type: none"> <li>▪ IMDA TS SRD (Date of issue: Apr 2018) Technical Specification for Short Range Devices</li> </ul>	

Changes to IMDA MRA DES SCHEME Issue 1 Revision 1, February 2017			
New Page	New Ref.	Items Changed	Date of Issue
15	Annex 2, Table 2	<p>List of Technical Regulations (Table 2 – Technical Specifications for Radiocommunication Equipment) has been updated with the following:</p> <ul style="list-style-type: none"> <li>▪ IMDA TS CMT (revision) – Technical Specification for Cellular Mobile Terminal</li> <li>▪ IMDA TS CBS (revision) – Technical Specification for Cellular Base Station and Repeater System</li> <li>▪ IMDA TS DVB-T2 IRD (revision) – Technical Specification for Integrated Receiver Decoder (IRD) for use with second generation Digital Terrestrial Television Broadcasting system (DVB-T2)</li> <li>▪ IMDA TS DSRC (revision) – Technical Specification for Dedicated Short Range Communications (DSRC) in Intelligent Transport Systems (ITS)</li> <li>▪ IMDA TS IOT (new) – Technical Specification for Internet of Things</li> </ul>	8 Jan 2018

Changes to IMDA MRA DES SCHEME Issue 1, October 2016			
New Page	New Ref.	Items Changed	Date of Issue
5 7 13	§4 §9 Annex 1	The IMDA MRA Scheme for Designating Local Testing Laboratories and Certification Bodies for Conformity Assessment ("IMDA MRA DES	15 Feb 2017

### Addendum/Corrigendum

		<p>Scheme”) has been streamlined for electronic processing of designation requests:</p> <ul style="list-style-type: none"> <li>▪ CAB’s request for designation, IMDA’s issuance of Designation Certificate and notification of designation will be carried out via email, with reference to name and phase of MRA, name of CAB, accompanied by soft copies of supporting documents (refer to Conceptual Scheme in §4, Application for Designation in §9 and Application Form in Annex 1).</li> </ul>	
15	Annex 2, Table 2	<p>List of Technical Regulations (Table 2 – Technical Specifications for Radio-communication Equipment) has been updated with the following:</p> <ul style="list-style-type: none"> <li>▪ IMDA TS DVB-T2 IRD (revision) – Technical Specification for Integrated Receiver Decoder (IRD) for use with second generation Digital Terrestrial Television Broadcasting system (DVB-T2)</li> <li>▪ IMDA TS DSRC (new) – Technical Specification for Dedicated Short Range Communications (DSRC) in Intelligent Transport Systems (ITS)</li> </ul>	

<b>Changes to IDA MRA DES SCHEME Issue 4 Rev 1, July 2015</b>			
<b>New Page</b>	<b>New Ref.</b>	<b>Items Changed</b>	<b>Date of Issue</b>
		<p>The IDA MRA DES SCHEME Issue 4 Rev 1 (July 2015) has been re-issued as the <b>IMDA MRA DES SCHEME</b> Issue 1 (October 2016).</p> <p>Technical Regulations (Tables 1 and 2) have been updated.</p>	1 Oct 2016