

GOVERNMENT OF INDIA
TELECOMMUNICATION ENGINEERING CENTRE
(Department of Telecommunications)
Khurshid Lal Bhawan, Janpath, New Delhi-110001



CERTIFICATE OF DESIGNATION

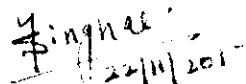
Certificate No. TEC/MRA/CAB/IND-D/10

Dated: 22/11/2017

This is to certify that M/s TUV Rheinland (India) Pvt. Ltd., Bangalore, has qualified the criteria for designation as CONFORMITY ASSESSMENT BODY (CAB), as described below, to carry out product testing activities specified in the Annex-I subject to the term and condition specified in Annex-II.

CAB DESCRIPTION

Name of CAB : M/s TUV Rheinland (India) Pvt. Ltd., Bangalore
Address of CAB : 82/A, West Wing, 3rd Main Road, Electronics city phase-I
Bangalore-560100
CAB Identification: IND0010
Date of Issue : 22/11/2017
Date of Expiry : 3 Years from date of issue of this certificate or till the validity of
Certificate issued by NABL, whichever is earlier.


Neelam Singhal
Deputy Director General (M&P)
For Designating Authority
TEC



Annex-I to certificate No: TEC/MRA/CAB/IND-D/10 dated 22/11/2017 issued to M/s TUV Rheinland (India) Pvt. Ltd., Bangalore.

Sl No	1	2	3	4
	Telecom Equipment/Product	Type of Testing	Technical Regulation	Date of Designation
1	EMI/EMC Testing of Telecom Equipments	All types of testing covered in technical regulations mentioned in column 3	TEC/SD/DD/EMC-221/05/OCT-16	22/11/2017
2	Safety testing	Testing only of the following as covered in technical regulation mentioned in column 3 1. Markings & Instructions 2. Protection from electric shock & energy hazards (Protection against access to live parts) 3. Power input and current 4. Thermal Requirements (Temperature Rise) 5. Touch Current & protective conductor current (Leakage Current) 6. Electric Strength (High Voltage Test) 7. Humidity Conditioning (Humidity Test) 8. Cord anchorage and strain relief (Mechanical Strength) 9. Resistance of earthing conductors and their terminations (Earth Bond Test) 10. Clearances, creepage distances and distances through insulation 11. Resistance to abnormal heat (Ball pressure test)	IEC 60950-1:2005 Part-I General Requirements-2 nd edition	

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		12. Impulse Test 13. Discharge of capacitors in equipment (Capacitor Discharge) 14. Abnormal operating and fault conditions 15. Adhesives for constructional purposes 16. Tests for resistance to heat and fire 17. Limits/ Connections of TNV circuits to other circuits (Limits of TNV circuits) 18. Voltage under normal conditions	
3	Standards for Environmental testing of telecom equipment	Testing only for the following as covered in technical regulation mentioned in column 3 1. Free Fall test 2. Drop test 3. Topple test 4. Water Immersion test 5. Cold (Low Temperature Test) 6. Dry Heat (High Temperature Test) 7. Damp Heat Steady State test 8. Damp Heat Cyclic Test 9. Rapid Cyclic Temp Change Test 10. Salt Spray Test (Resistance against Corrosion) 11. High Altitude Test	QM-333 ISSUE MARCH-2010
4	SAR (Specific Absorption Rate) Measurement System	All type of Testing Covered in technical regulation mentioned in Column 3	TEC/GR/SAR/001/01.MAR-09
5	New Standard on Radio Devices in unlicensed band (2.4 GHz)	All types of testing covered in technical regulations mentioned in column 3	SD/RAD-01/01.SEP 2005

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Annex-II to certificate No: TEC/MRA/CAB/IND-D/10 dated 22/11/2017 issued to M/s TUV Rheinland (India) Pvt. Ltd., Bangalore.

Terms & Conditions

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 1 NO. TEC/DES-01/01.AUG.2008.

Some of the conditions are reiterated as under:

A. Obligations of the Designated CAB

1. It shall ensure that it maintains its accreditation status from NABL (National Accreditation Board for Testing and Calibration of Laboratory).
2. It shall follow the stipulated procedures, rules and policies laid down by DA (designating Authority) or MRA* (Mutual Recognition Arrangement) partner for testing and evaluation.
3. It shall fully indemnify DA from and against all liabilities, damages, claims, costs, and expenses incurred or sustained by DA as a result of any action taken or omitted by DA relating to the process of designation.
4. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
5. It shall have a record system which shall have a retention period of at least 5 years for documents related to the equipment testing. It shall maintain all the relevant documents including list of products submitted for testing, product-wise testing and evaluation reports. These documents shall be produced before the DA within seven days, as and when required.
6. It shall notify the DA in writing of occurrence of any of the following incidence within 2 weeks of its occurrence
 - a. cessation of its business of conformity assessment for which it is Designated or accredited
 - b. changes in its legal, commercial, or organizational status
 - c. changes which may affect continuing compliance with any of the criteria or requirement specified by DA or MRA partner.
 - d. change of premises

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B. REFERENCE TO DESIGNATION STATUS

1. Designated CABs/CBs may advertise their designation status with regard to standards or parts thereof which are included in the scope of designation.
2. The advertisement should not imply, or otherwise suggest that DA or MRA Partner has endorsed the product or imply that the designated CAB/CB is an agent or representative of DA or MRA Partner.
3. CABs/CBs 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.

C. POST-DESIGNATION SURVEILLANCE

As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs/CBs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

D. SUSPENSION OR WITHDRAWAL OF DESIGNATION

1. DA shall suspend or withdraw the designation of a CAB/CB if
 - a. Its accreditation is withdrawn.
 - b. It is found that the CAB/CB is not complying with the stipulated criteria or requirements.
 - c. It is guilty of any offence involving fraud or dishonesty.
 - d. DA concludes that there is a just cause for withdrawing the designation.
2. A CAB/CB whose designation, and recognition in case of MRA, has been suspended or withdrawn shall be removed from the list of designated CABs/CBs, in case it fails to take corrective measures.
3. DA shall keep the designation of a Designated CAB/CB under suspension, until the completion of formal review process.

E. AMENDMENT TO THE SCHEME

DA reserves the rights to amend the scheme, as and when required, for the purpose of streamlining designation process.

*Applicable only if recognized by MRA partner.

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