



GOVERNMENT OF INDIA
TELECOMMUNICATION ENGINEERING CENTRE
(Department of Telecommunications)
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

CERTIFICATE OF DESIGNATION

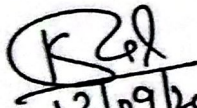
Certificate No. TEC/MRA/CAB/IND-D/60

Dated: 13.09.2019

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

CAB DESCRIPTION

Name of CAB : M/s TUV Rheinland (India) Pvt. Ltd., Bengaluru
Address of CAB : 108, Beside ISBR Business School, Electronic City Phase-1,
Bengaluru-560100, India
CAB Identification : IND060
Date of Issue : 13.09.2019
Date of Expiry : 3 Years from date of issue of this certificate or till the continued
validity of Certificate issued by NABL, whichever is earlier.


13/09/2019

Kamal Bhagat
Deputy Director General (MRA)
For Designating Authority
TEC



Annexure-I Certificate No: TEC/MRA/CAB/IND-D/60 dated 13.09.2019 issued to
M/s TUV Rheinland (India) Pvt. Ltd., Bengaluru.

| Sl. No. | 1 | 2 | 3 | 4 |
|---------|---------------------------------------|--|------------------------------|---------------------|
| | Telecom Equipment/Product | Type of Testing | Technical Regulation | Date of Designation |
| 1. | EMI/EMC Testing for Telecom Equipment | All types of testing covered in Technical regulations mentioned in column 3 only for following tests: 1 Electrostatic Discharge Immunity Test (IEC 61000-4-2) 2 Radiated Susceptibility Test (IEC 61000-4-3) 3 Electrical Fast Transient (EFT)/ Burst Immunity Test (Clause IEC 61000-4-4) 4 High Energy/ Telecom Surge Immunity Test (IEC 61000-4-5) 5 Conducted RF Immunity Test (IEC 61000-4-6) 6 Voltage dips, short interruptions & voltage variations immunity Test (IEC 61000-4-11) 7 Electrostatic Discharge Immunity Test [for carrying out the testing for CD Level-4] (IEC 61000-4-2) 8 Conducted Emission Test (CISPR 11) 9 Radiated Emission Test (CISPR 11) 10 Conducted Emission Test (CISPR 22) 11 Radiated Emission Test (CISPR 22) | TEC/SD/DD/ EMC-221/05/OCT-16 | 13/09/2019 |

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|----|--|---|--|------------|
| | | 12 DC Dips and micro interruptions (IEC 61000-4-29) * 13 Conducted Emission Test (CISPR 32) * 14 Radiated Emission Test (CISPR 32) * 15 Conducted Emission Test (CISPR 14-1) * 16 Radiated Emission Test (CISPR 14-1) * 17 Conducted Emission Test (CISPR 25) * 18 Radiated Emission Test (CISPR 25) * | | |
| 2. | Radio Conformance testing for equipment operating in frequency band of 2.4 GHz and 5 GHz | All types of testing covered in Technical regulations mentioned in column 3 only for following tests: 1 Spurious Radiated Emissions and Restricted Bands of Operation (Cl. 15.209/15.205) (Cl. 15.407 (b)(6) & (7)) * 2 Radiated Emissions and Field Strength of Fundamental Emissions (Cl. 15.225 (a)(b)(c)(d)) (Cl. 15.209) * | FCC (Part 15) Subpart C FCC (Part 15) Subpart E | 13/09/2019 |

* As part of the requirement stated in TEC's Essential Requirements, where applicable.

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Annexure-II Certificate No: TEC/MRA/CAB/IND-D/60 dated 13.09.2019 issued to
M/s TUV Rheinland (India) Pvt. Ltd., Bengaluru.

Terms & Conditions

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESSMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESSMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 2 NO. TEC/DES-01/02.DEC.2017.

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 any recognised Indian accreditation body like NABL during validity period of certificate.
2. It shall follow the stipulated procedures, rules and policies laid down by Designating Authority (DA) or Mutual Recognition Agreement (MRA)* partner for testing and evaluation.
3. In respect of tests for which it is seeking designation, it shall have no interest whatsoever in any business to carry on testing in an unfair or biased manner,.
4. 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.
5. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
6. It shall be under obligation to participate in the online process prescribed by TEC for test and certification against TEC's GR/IR/ER and standards.
7. 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.
8. It shall ensure the Intellectual Property Rights of the customers in the course of testing by maintaining professional ethics, secrecy and keeping all the product related information confidential.
9. It shall notify the DA in writing of occurrence of any of the following incidence within 2 weeks of its occurrence

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- a) Cessation of its business of conformity assessment for which it is Designated or accredited
- b) Changes in its legal, commercial, or Organisational 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

*Applicable only if recognized by MRA (Mutual Recognition Agreement) partner.

B. REFERENCE TO DESIGNATION STATUS

1. Designated CABs 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 is an agent or representative of DA or MRA Partner.
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.

C. POST-DESIGNATION SURVEILLANCE

As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs 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 if
 - a. Its accreditation is withdrawn.
 - b. It is found that the CAB 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 whose designation, and recognition in case of MRA, has been suspended or withdrawn shall be removed from the list of designated CABs, in case it fails to take corrective measures.
3. DA shall keep the designation of a Designated CAB 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.

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**Telecommunication Engineering Centre
(Department of Telecommunications)
Khurshid Lal Bhawan, Janpath, New Delhi – 110001**

No. 1-69 /2019-MRA/TEC

Dated: 12-02-2021

Addendum

Subject: Designation of M/s TUV Rheinland India Pvt. Ltd., Bengaluru as Conformity Assessment Body (CAB)

**Ref: 1. CAB Designation Certificate No. TEC/MRA/CAB/IND-D/60 dated 13/09/2019
2. TEC letter no. 1 -69/2019-MRA/TEC dated 13.09.2019**

In reference to the TEC letter dated 13.09.2019 referred at Sl. No. 2 above, the Scope of designation of CAB Certificate no. TEC/MRA/CAB/IND-D/60 dated 13/09/2019 of M/s TUV Rheinland India Pvt. Ltd., Bengaluru is hereby enhanced in respect of following tests on receipt of necessary amendment/corrections in NABL scope certificate of the lab:-

| Sl. No. | Telecom Equipment/ Product | Type of Testing | Technical Regulation |
|---------|---|--|----------------------|
| 1. | Radio Conformance testing for equipment operating in frequency band of 2.4 GHz and 5GHz | Transmitter unwanted emission in the spurious domain (Clauses 4.3.2.9, 4.3.1.10) | ETSI EN 300 328 |
| | | Receiver spurious emissions (Clauses 4.3.2.10 & 4.3.1.11) | ETSI EN 300 328 |
| | | Transmitter unwanted emission outside the 5 GHz RLAN bands (Clause 4.2.4.1) | ETSI EN 301 893 |
| | | Receiver spurious emissions (Clause 4.2.5) | ETSI EN 301 893 |
| | | Transmitter unwanted emissions outside the 5725 MHz to 5875 MHz (Clause 4.2.3.1) | ETSI EN 302 502 |
| | | Transmitter unwanted emissions External short circuit (battery) (Clause 4.2.5) | ETSI EN 302 502 |

2. This letter is issued as an Addendum to CAB Designation Certificate No. TEC/MRA/CAB/IND-D/60 dated 13/09/2019 already issued with CAB identity IND060.

3. The date of validity of CAB Designation Certificate, Scope in respect of all other test parameters mentioned in Annexure-I of Certificate, except in respect of test parameters mentioned herein above, all terms and conditions mentioned in the Certificate shall remain unchanged.



(Prasanth Kumar)
Deputy Director General (MRA)
For Designating Authority
TEC

To,

Shri Guruprasad BR-(AGM)
M/s TUV Rheinland (India) Pvt. Ltd., Bengaluru,
108, Beside ISBR Business School, Electronic City Phase-1,
Bengaluru-560100, India.