

Guide to Modem Certification in Indonesia

Certification in Indonesia

Certificate of approval is required for every telecommunication and ITE equipment entering Indonesian territory. The certificate of approval is issued by Directorate General of Resources and Equipment Standardization for Post and Informatics (SDPPI). Certifications are granted at the system (host) level. The certificate is valid for each type or model number of equipment while product or model series certificate or type approval is not acceptable.

In-Country Testing

In-Country testing is required prior to certificate issuance by SDPPI. RF / Telecom Test is mandatory while EMC and safety is voluntary. The test will require 2 (two) samples of equipment and it will be conducted by local laboratories which appointed by SDPPI.

Applicable Standards in Indonesia

Approval test will be based on national standard: KEPDIRJEN No. 112/DIRJEN/2008. The key parameters are as follows:

- GENERAL REQUIREMENTS

Operational Requirements	Shall be able to perform network integration through electric or acoustic coupling
	Shall be equipped with at least 4 indicators: <ul style="list-style-type: none"> • 103 – Data transmitting sign • 104 – Data receiving sign • 109 – Carrier signal detection sign • 142 – Test sign

- TEST REFERENCE

Different technical parameter will be tested for each modem in every data transmission speed available. Test parameters will be referred from ITU Recommendation, as follow:

Speed	Media Transmission	ITU-T Recommendation
1200 Bps	GSTN and Circuit switch	V22
600/1200 Bps	GSTN	V23
2400/1200 Bps	GSTN and Circuit switch	V22 bis
9600 Bps	GSTN and Circuit switch	V32
14400 Bps	GSTN and Circuit switch	V32 bis
28800 Bps	GSTN and Circuit switch	V34
56000 Bps	GSTN and Circuit switch	V90

Documentations Requirements

1. Completed Application Forms: Application Form (FR.PM.5), Inspection Form (FR.PM.4), Power of Attorney to *TEKNOKRAT* Indonesia
2. Technical Constructive File: General information, Installation guide, User manual, BOM, Hardware description, Block diagram, Assembly Top/Bottom, Conducted test report (RF / Telecom and EMC & Safety test)
3. Copy of Certificates of Compliance (from other country)

TEKNOKRAT's services have been specifically designed to support manufacturers, test laboratories and consultants seeking type approval in Indonesia for telecommunications equipment and other ITE. The world's leading telecommunications equipment vendors already recognize the value in our service and entrust their approvals in Indonesia to us. We would be delighted to have the opportunity to support your telecom approvals.

for further information please contact: customer@typeapproval.or.id