

Guide to Facsimile 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: SNI 04-7042-2004, KEPDIRJEN No. 250/DIRJEN/2005. The national standard is purely adopted from ITU-T P.310, CCITT Q.23 and CCITT Q.552. The key parameters are as follows:

- RESISTANCE TO EARTH

Wire	U	R
1	100 Vdc	$\geq 1 \text{ M}\Omega$
2	100 Vdc	$\geq 1 \text{ M}\Omega$

- CHARACTERISTIC OF DEVICE FOR RINGING SIGNALS – IMPEDANCE

f	V	Zdevice
25 Hz	70 Vac	$> 4 \text{ K}\Omega$

I	V	Zdevice
20 mA	48 Vdc	$< 400 \Omega$

- CHARACTERISTIC OF DEVICE FOR RINGING SIGNALS – DC CURRENT

f	Idc	Ringling Signals	Vac
25 Hz \pm 3 Hz	$< 1 \text{ mA}$	$> 9000 \text{ mS}$	70 Vac
50 Hz \pm 5 Hz	$< 1 \text{ mA}$	$> 9000 \text{ mS}$	70 Vac

- RETURN LOSS

f	Return Loss	NOTE:
300 – 600 Hz	≥ 12 dB	Measured in following conditions: Feeding voltage = 48 Vdc Current limitations = 20 mA Feeding resistor = 600 Ω Level = 0 dBm / 10 dBm
600 – 600 Hz	≥ 15 dB	

- DTMF – FREQUENCY COMBINATIONS

Limits of Level: f Low	-11 ... -4 dBm
Limits of Level: f High	-11 ... -4 dBm
Limits of pre emphasis	0.5 ... 3.5 dB
Limit frequency deviation	± 1.8%

f (Hz)		f High		
		1209	1336	1477
f Low	697	1	2	3
	770	4	5	6
	852	7	8	9
	941	*	0	#

- DTMF – TONE / PAUSE DURATION

Tone ON	40 mS – 500 mS
Tone OFF	40 mS – 500 mS

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