

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 Post and Telecommunication (DGPT). 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 DGPT. 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 DGPT.

Applicable Standards in Indonesia

Approval test will be based on national standard: KEPDIRJEN No.

255/DIRJEN/2004. The national standard is partly adopted from ITU-T G.703.

The key parameters are as follow:

GENERAL REQUIREMENTS

Ability Shall be operated inside LAN and WAN

Physical Layer and Data Link Layer

LAN: using Ethernet (refer to IEEE 802.3) in physical layer and using LLC 802.2 in data link layer

WAN: using RS.232, V.35, X.21, E1 (refer to G.703, RS 449, RS 530) in physical layer and using HDLC, PPP, X.25, Frame Relay (refer to ITU-T/ANSI Annex D), Euro ISDN and ATM in data link layer

Interface E1 (refer to ITU-T G.703) 2 Mbps

OTHER REQUIREMENTS

Router Management

Shall be managed through SNMP with the used of MIB2

Telnet can be utilized as an alternative to manage router and the router itself can be managed locally or remotely

Interoperability

Shall have abilities to connect with other routers through standard protocol which tested using Ping Command, Telnet Session, Routing rotocol Setup and Maximum Transmission Unit

Routing Protocol

Shall provide either one of routing protocols as follow: Unicast Routing Protocol (static, IS-IS, OSPF, RIPv1, BGP or ICMP) and Multicast Routing Protocol (DVMRP, PIM,IGMP, SAP/SDP or MSDP)

Reconfiguring facilities

Shall have automatic recovery whenever system break-down occurred