

STR7

STR/NO-101

TELECOM DIRECTORATE

No. STT/DC/PDME/Spec./617

Dated: 09.05.2006

Sub: STR for Primary Digital Multiplexer as per specification no. IRS:TC-68/04

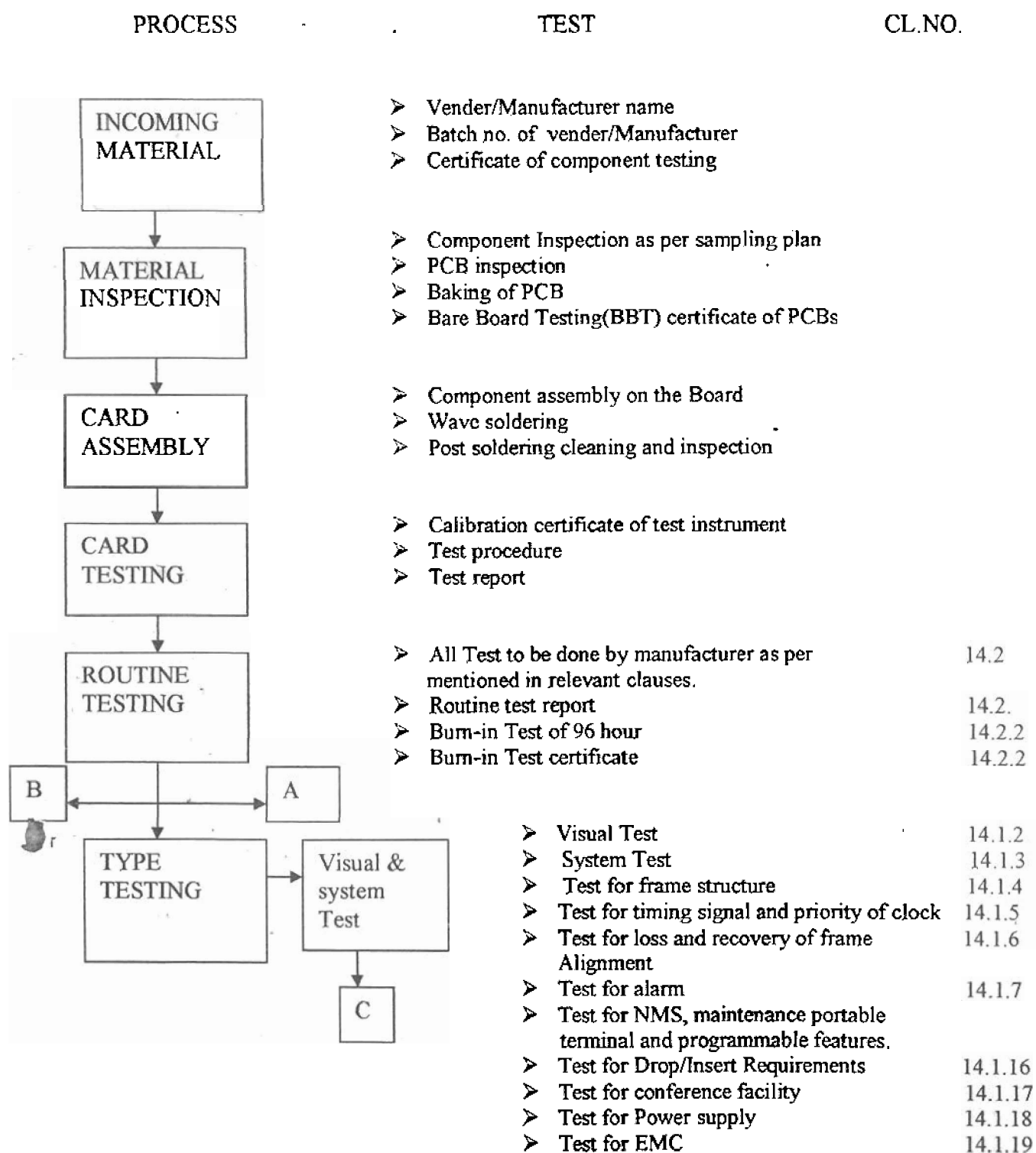
Schedule of technical requirement(STR) for Primary Digital Multiplexer as per specification no. IRS:TC-68/04 is enclosed.


(M.K. Yadav) 9/05/06
Director/telecom-I

ED/QA/S&T

Issued
09/05/06

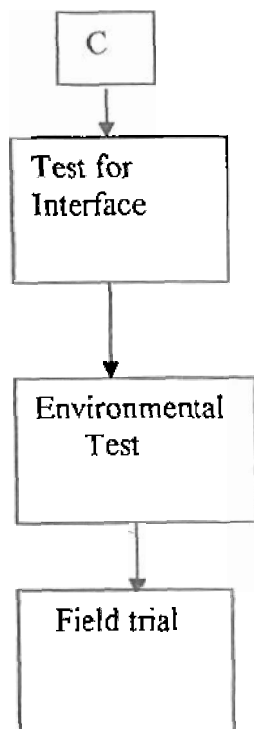
QUALITY ASSURANCE FLOW CHART PRIMARY DIGITAL MULTIPLEXING EQUIPMENT (IRS:TC 68-2004)



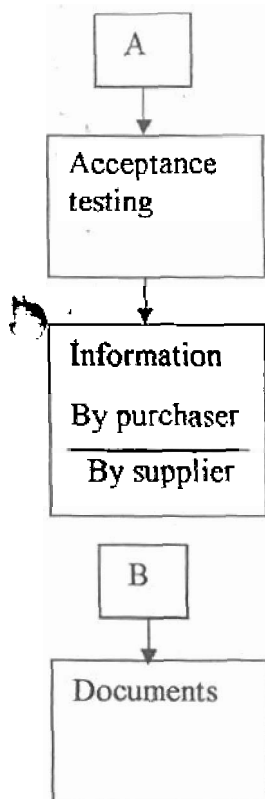
PROCESS

TEST

CL.NO.



- Test for voice Interface 14.1.9
- Test for low speed data Interface 14.1.10
- Test for 64Kbps data Interface 14.1.11
- Test for Nx64 Kbps Interface 14.1.12
- Test for E1 branching Interface 14.1.13
- Test for IDSL 14.1.14
- Test for NTU 14.1.15
- Environmental as per QM 333 of DOT Specification Cat. B2 14.1.1
- System Test 14.1.1.1
- Test for data Interface 14.1.1.2
- Test for voice Interface 14.1.1.3
- Two or three equipment for field trail (4 Week) 14.1.20
- Pre field trail test 14.1.20.1
- Stability test 14.1.20.2
- Traffic loading 14.1.20.3
- Post field trial test 14.1.20.4



- system tests 14.3.2(a)
- Voice Interface tests 14.3.2(b)
- Data Interface tests 14.3.2(c)
- Drop/Insert Requirement 14.3.2(d)
- Requirement for Conference Facility 14.3.2(e)
- Power supply Test 14.3.2(f)

- Information given by purchaser 15.0
- Information given by supplier 16.0

- Manuals 5.17

MULTIPLEXING EQUIPMENT (IRS:TC 68/2004)

ESSENTIAL MACHINERY AND PLANTS REQUIRED FOR PRODUCTION

1. DC Power supply/ Power source
2. Precision Digital multi meter
3. CRO (500 MHz Digital phosphor oscilloscope or Digital storage oscilloscope)
4. Digital Million meg- ohm meter
5. Break down tester
6. Rheostat
7. Soldering & De- soldering station
8. Wave soldering machine
9. PCB oven
10. Crimping tools
11. Automatic component inserting machine
12. In-circuit tester
13. Test jigs
14. Data Analyser
15. Variac
16. Ultrasonic cleaning station

OPTIONAL EQUIPMENT:

1. Environmental Chamber
2. Vibration table
3. Surge & Transient test equipment

MULTIPLEXING EQUIPMENT (IRS:TC 68/2004)

ESSENTIAL TESTING EQUIPMENTS REQUIRED FOR QUALITY ASSURANCE

1. DC Power Supply / Power Source (0 V to -100 V DC)
2. Precision Digital Multimeter
3. CRO (500 MHz Digital phosphor oscilloscope or Digital storage oscilloscope)
4. Digital Million Meg- Ohm meter
5. Breakdown Tester
6. Rheostat
7. PCM Channel Analyser or Primary Digital Multiplexer Analyser
8. Digital Transmission Analyser or SDH/PDH /ATM Analyser
9. Digital Selective Level Meter
10. Digital Signal Generator/Test Oscillator
11. Return Loss Bridge
12. Computer with Printer
13. Data Analyser or Telecom / Datacom Analyser (3 Nos.)
14. Advanced Network Tester
15. Frequency Counter
16. Variac / Auto Transformer
17. Attenuator
18. Decadic Telephone
19. Pulse Test Set
20. 24 AWG/.05 mm Cable Drum (more than 4 Kms.)
21. Burn- IN- Chamber

Note: All the measuring and testing equipment shall have valid calibration report from NABL accredited calibration laboratory/ testing house.