



National Centre for Next Generation Network

Monthly Information Bulletin

VOL XIII

ISSUE-01

JANUARY 2014

1. OBSERVATIONS

1.1 C-DOT: Non-working of Alarm Display Panels

CDOT Exchanges are provided with an Alarm Display Panel (ADP), a hardware unit attached to the Base Processor (in case of SBM configuration) or with Administrative Processor (in MBM configuration) via HDLC links used to provide Audio-Visual indication of the system faults. The Alarm Display Panel gives an overview of system status indicating various pending faults. On knowing the status, the Exchange personnel can take corrective measures to avoid any catastrophe.

During inspection of CDOT Exchanges, the Alarm Display Panels were found faulty i.e. in non-working condition and lying un-repaired in the switch rooms. Further, the Exchange staff is completely unaware of the fault status in various units, which otherwise could become known to them through ADP.

Therefore, Officers in-charge of CDOT Exchanges should check the functioning of the Alarm Display Panels of their Exchanges and get the same repaired if found faulty.

1.2 Provisioning of Fire Extinguishers

It has been observed that sufficient number of fire extinguishers is not provided in the switch rooms and also these are not positioned properly. Also, records pertaining to results of monthly checking of fire extinguishers are not maintained. This situation may lead to helplessness in case of eventuality of fire.

As per the Fire Protection Guidelines issued by BSNL, one fire extinguisher (4.5 Kgs. CO₂ type) should be provided for every 100 Square meter of floor area and they should be positioned in the switch room such that a person does not have to travel more than 15 meters to reach the nearest fire extinguisher. Also, the fire extinguishers should be checked once a month and a mock fire drill should be conducted once in a six-month period.

Therefore, Officers in-charge of all Exchanges should ensure that fire extinguishers are properly positioned in the switch room, checked monthly and refilled accordingly as per the provisions of Fire Protection Guidelines issued by BSNL so that these are always in usable condition and easily accessible in case of any eventuality.

1. ACTIVITIES CARRIED OUT DURING DECEMBER 2013

2.1. CDOT TECHNOLOGY

✦ INSPECTION

Inspection of following CDOT exchanges was carried out during December 2013:

South Zone: Challekere, Chitradurga, JCR Extension, Joggimatti, Bijapur, Jalnagar, Mudhol, Thirthahalli, Shivamogga, Bagewadi, Sindagi, Jamakhandi, Badami, Bagalkot, Indi, Mundakayam, Velichiyani, Pambadi, Koorappada, Pallickathodu, Eratupeta, Melukavumattam, Teekoy, Thalayolaparambu, Peruva, Mevelloor.

West Zone: Pathalgaon, Raigarh, Jaspur, Sarangarh.

✦ SUPPORT EXTENDED BY C-DOT ORGANISATION

Software for C-DOT Switches has been prepared by C-DOT and provided on Deliverable Media (Cartridges / EPROMs): Nil during December 2013.

- **CORRECTIVE MAINTENANCE**

- Problems Solved (Telephonically/ in writing) : 404
- Exchange Data Correction : 2

- **CRITICAL FIELD PROBLEMS**

Critical Field Problems were attended in the following C-DOT Exchanges during December 2013:

South Zone: Bhuvnagri (AP), Kumbakonam (TN)

West Zone: Shrivardhan (MH), Itarasi (MP)

East Zone: Memari (WB)

- **PREVENTIVE MAINTENANCE VISIT**

Preventive maintenance visit were carried by in the following C-DOT Exchanges during December 2013:

West Zone: Shrivardhan (MH)

2.2. NEW TECHNOLOGY

✦ INSPECTION

Inspection of following New Technology Exchanges was carried out during December 2013:

South Zone:

- **5ESS:** Flower Bazaar, Ennore, Periamedu, Broadway, Walltax Road, Poonamallee, Kaithemukku, Thirumala, Sreekaryan, Vellayambalam.
- **AXE-10:** Kaithemukku, Sanghumukhom, Kaimanam.
- **OCB-283:** Flower Bazaar, Davanagere, Vidyanagar, Medical College B Colony, Gulbarga, Aiwan-e-shahi, Shivamogga, Vijayanagara, Vinobanagara, Kottayam, Kanjikuzhy, Ayarkunnam, Pala, Puliyannoor, Valiyannoor.
- **EWSD:** Trivandrum Medical College, Kariavattom, Poojappura.

East Zone:

- **OCB-283:** Harinavi.

West Zone:

- **OCB-283:** Raigarh.

3 PLAN FOR PERIOD : JANUARY – MARCH 2014

3.1 INSPECTION

✦ C-DOT EXCHANGES

Inspection of the following CDOT Exchanges has been planned for period from January – March 2014:

JANUARY 2014:

South Zone: Machilipatnam, Vuyyuru, Jaggayyapeta, Nuzvidu, Bhimavaram, Palacole, Gudur, Kavali,

Ravulapalam, Ramachandrapuram, Nalgonda,
Kodad, Suryapeta, Karimnagar, Jagityala,
Godavarikhani.

West Zone: Ahmadnagar, Akola, Jamkhed, Karjat, Kopargaon,
Newsa, Pathardi, Rahuri, Sangamner, Srigonda,
Shrirampur, Shevgaon.

FEBRUARY 2014:

South Zone: Palladam, Pollachi, Mettupalayam, Kodanchery,
Mananthody, Piduguralla, Ponnuru, Sattanapalli,
Ongole, Podili, Guntakal, Dharmavaram, Tenali,
Rapelli, Perambara, Chirala, Kundukur, Markapur.

West Zone: Ajara, Chandgarh, Kolhapur, Gandhinagar,
Gadhinglas, Radhanagari, Ichalkaranji, Jayaingpur,
Kurundwad, Gargoti, Kagal, Malkapur, Vadgaon,
Warananagar.

MARCH 2014:

South Zone: Kadayanallur, Mbasamudiram, Kadappa, Rajampet,
Virudachalam, Neyveli Township, Chidambaram,
Arani, Polur, Ranipet, Chittoor-I, Chittoor-II,
Namakkal, Omalur, Rasipuram, Nandiyal,
Dronachalum.

West Zone: Satara, Satara MIDC, Koregaon, Vaduj, Dahiwadi,
Phaltan, Lonand, Wai, Mahabaleshwar, Medha,
Patan, Karad, Ogalewadi.

✦ NEW TECHNOLOGY EXCHANGES

Inspection of the following New Technology Exchanges has been
planned for period from January – March 2014:

JANUARY 2014:

East Zone:

- **OCB-283:** Krishna Nagar.

South Zone:

- **OCB-283:** Nellore, Rajamundry, Haddows Road RSUs → Vanimahal, Chetpat, Income Tax Office, Sait Colony, Royapettah, Greams Road, Kellys RSU → Ayanavaram, Anna Road RSU → Dinrose, Ice House.
- **5ESS:** Kellys RSU → Thiruverkadu, Flower Bazaar RSU → Balajinagar.
- **EWSD:** Sriperampudur, Vijayawada, Bhimavaram.
- **AXE-10:** Maraimalai Nagar.

FEBRUARY 2014:

East Zone:

- **OCB-283:** Ranaghat, Dhanbad.

South Zone:

- **OCB-283:** Ongole, Mananchira, Adyar, Adyar RSU → Sholinganallur, Haddows Road RSU → Gopalapuram, Kellys RSU → Kumaran Nagar, Red Hills, Kallikuppam.
- **5ESS:** Feroke, Kalpatta.
- **AXE-10:** Anna Nagar RSU → Mogappair East.
- **EWSD:** Tiruppur, Guntur, Chrompet RSU → Gowrivakkam.

MARCH 2014:

South Zone:

- **OCB-283:** Palayamkottai, Uppala, Kadappa, Ranipet, Kurnool, Adyar RSU → Sivagamipuram, Kotturpuram, Harbour RSU → Kolathur, Vallalarnagar, Perambur, Flower Bazaar RSU → Netaji Nagar, Kaladipet.
- **5ESS:** Kanhangod, Kuthuparamba.
- **AXE-10:** Anna Nagar, Anna Road RSU → Triplicane.

- **EWSD:** Chittoor.

East Zone:

- **OCB-283:** Jamshedpur.



NCNGN Bulletin
JANUARY 2014
Vol. – XIII
Issue – 01

Editor: Dy.General Manager (HQ)
Tel. : 011-2687 9337
Fax : 011-2687 9339
E-mail: dgmt_nces@bsnl.co.in

National Centre for
Next Generation Network BSNL
CTS Compound, Netaji Nagar
New Delhi – 110 023

**CIRCLE WISE DETAIL OF SUPPORT EXTENDED BY C-DOT
ORGANIZATION DURING DECEMBER 2013**

| S.N. | Telecom Circle | C1 | C2 | C3 | C4 | C5 | C6 | C7 |
|------|------------------|------------|-----------|----------|------------|------------|------------|----------|
| 1 | A & N | 2 | | | | | | |
| 2 | Andhra Pradesh | 27 | 3 | | | | | 1 |
| 3 | Assam | 2 | | | | | | |
| 4 | Bihar | 7 | | | | | | |
| 5 | Chhattisgarh | 4 | | | | | | |
| 6 | Gujarat | 14 | | | | | | |
| 7 | Haryana | 18 | | | | | | |
| 8 | Himachal Pradesh | 25 | | | | | | |
| 9 | J & K | 5 | | | | | | |
| 10 | Jharkhand | 2 | | | | | | |
| 11 | Karnataka | 26 | 1 | 1 | | | | |
| 12 | Kerala | 5 | | | | | | |
| 13 | Madhya Pradesh | 70 | 5 | | | | | 1 |
| 14 | Maharashtra | 28 | 2 | 1 | | | | 1 |
| 15 | NE-I (Shillong) | 1 | | | | | | |
| 16 | NE-II (Dimapur) | | | | | | | |
| 17 | Orissa | 10 | 3 | | | | | |
| 18 | Punjab | 40 | | | | | | |
| 19 | Rajasthan | 43 | | | | | | |
| 20 | Tamil Nadu | 20 | 2 | | | | | 1 |
| 21 | UP - East | 35 | | | | | | |
| 22 | UP - West | 16 | | | | | | |
| 23 | Uttarakhand | 2 | | | | | | |
| 24 | West Bengal | 2 | | | | | | 1 |
| | Total | 404 | 17 | 2 | Nil | Nil | Nil | 5 |

| | | |
|----|--|------------|
| C1 | Problems Solved (Telephonically/ In-writing) | 404 |
| C2 | Site Visit | 17 |
| C3 | Exchange Data Correction | 2 |
| C4 | Engineering Change Note (ECN) Implementation | Nil |
| C5 | Software Retrofits | Nil |
| C6 | Deliverable Media Preparation (Cartridges/ EPROMs) | Nil |
| C7 | Critical Field Problems | 5 |

Maintenance support philosophy for landline Exchanges in BSNL network

✦ New Technology Exchanges i.e. OCB-283, EWSD, AXE-10 and 5ESS

- AMC for hardware and software support with vendors: Alcatel-Lucent, ITI Ltd., Nokia-Siemens and Ericsson.
- The AMC includes tele-assistance, on-site assistance, PCB repairing, computer terminal repairing, MTU repairing, racks inter-connecting cables repairing, software upgradation etc.
- Nodal officer in circle/ region: PGMs/ GMs/ DGMs in Circle office
- Reference:
 - No. 43-1/2004-PHM/Vol. III dated 20.05.2005
 - No. 117-03/2004-MMD/Vol.III dated 11.03.2008
 - No.43-10-2012/NWO-CFA-MSE dated 11.06.2012
 - No.43-1/2012/NWO-CFA-MSE dated 24.08.2012

✦ C-DOT Exchanges

- Software support: MoU with C-DOT comprising tele-assistance and on-site assistance
- References:
 - No. 36-2/2006-PHM dated 23.05.2007
 - No. 36-2/2005-PHM-MSE dated 23.05.2008
 - No. 36-2/2005-PHM-MSE dated 30.05.2008
 - No. 36-1/2011-PHM-MSE dated 21.12.2011
- Hardware support: the field units should get the C-DOT PCBs repaired through following manner:
 - Through in-house repair centers
 - Through tender at circle level from authorized manufacturers
- Reference:
 - No. 36-3/2004-PHM dated 22.03.2005
 - No. ND/NCES/32-1/Vol.V/61 dated 02.01.2009
 - No. 36-4/2008-PHM-MSE dated 04.04.2012

✦ E10B Exchange

- Hardware support: the faulty E10B PCBs shall be got repaired through Annual repair contract through ITI Ltd. only.
- References:
 - No. 19-11/2006-PHM/MSE dated 19.06.2007
 - No. ND/NCES/8-3/PNC/Vol. V/53 dated 23.06.2007
 - No. ND/NCES/8-3/PNC/Vol.VI/30/1481 dated 31.10.2009
 - No. ND/NCES/8-3/PNC/Vol.VII/5 dated 15.01.2013

Compiled by NCNGN for Monthly Information Bulletin of January 2014