



National Centre for Next Generation Network

Monthly Information Bulletin

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1. OBSERVATIONS

1.1 C-DOT MAX NG Project – Sparing of Base Modules

This is with reference to migration of existing C-DOT Switches to C-DOT MAX NG soft switch. While analyzing the data related to C-DOT MAX switches, it has been observed that the numbers of working lines are comparatively less vis-a vis equipped capacity of C-DOT Switches.

Before going ahead with the finalization of procurement of C-DOT MAX NG access equipment, it is very important that the field units may carry out the exercise by rearranging the working connections in such a way that the working DELs should not be less than 2/3rd of the equipped capacity of line BM (both collocated and remote Line BM). This will spare few Line BMs, which can be powered off so that electricity consumption can be reduced significantly and this will also reduce the necessary hardware/cards that need to be procured for integrating the line BM with C-DOT MAX NGN. The spared cards can be utilized by circles in ensuring duplex working of exchanges.

Therefore, Exchange In-charges are requested to immediately carry out this exercise in their C-DOT MAX Exchanges before access equipment procurement of C-DOT NG project.

1.2 NGN Project : Data Template to be prepared by site/exchange in-charge

During the south zone workshop, M/s Huawei presented the methodology for data collection from Exchanges by software tool and the data collected by tool will be populated in HSS of IMS core site. After deliberation, it was felt necessary that data need to be prepared by Exchange In-charge for subscriber MDF terminations and subscriber profile & facilities including the details of emergency numbers and level-1 services etc.

Necessary guidelines in this regard has already been issued by CGM NCNGN vide letter no. ND / NC NGN / NGN Core Sites / Implementation Dated 08.11.2013 along with the data template in “Excel format”, enclosed with the letter as Annexure-2. The letter along with the data template is available on BSNL Intranet site (www.intranet.bsnl.co.in).

Therefore, All the Exchange/ site Incharges where NGN migration is planned in Phase-1 may be instructed to prepare the data as per the above template and update it on fortnightly basis.

1. ACTIVITIES CARRIED OUT DURING OCTOBER 2013

2.1. CDOT TECHNOLOGY

✦ INSPECTION

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

South Zone: Bhavani, Kavindapadi, Sathiamangalam, P.Puliampatti, Dharapuram, Nenjampalayam, Gopichettipalayam, Karattadipalayam, Perundurai, Chennimalai, Sasthankotta, Kunnathur, Kundara, Elambalur, Nilambur, Kolancherry, Mazhuvannoor, Kangarapady, Ochira, Manapally, Pathanapuram, Elikattoor.

West Zone: Junagarh Jawahar Road, Junagarh GHB, Manavadar, Ranavav, Porbandar, Mangrol, Keshod, Talala, Diu, Una, Kodinar, Veraval.

✦ 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 October 2013.

- **CORRECTIVE MAINTENANCE**

- Problems Solved (Telephonically/ in writing) : 478
- Exchange Data Correction : 3

- **CRITICAL FIELD PROBLEMS**

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

South Zone: Bongir (AP), Nalgonda (AP).

2.2. NEW TECHNOLOGY

✦ INSPECTION

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

South Zone:

- **5ESS:** Kalamachery, Vennala, Cusat, Jothinagar.
- **OCB-283:** Erode, Moolapalayam, Surampatti, Kollam Chinnakada, Anjanamodu, Nilambur, Edakkara, Manjeri, Kodur, Kottakkal, Tirur, Karingappara, Tanur, Muvattupuzha, Mekkadampu, Mannathoor, Anchal, Ayoor, Chrompet, Vandalur, Pammal, Jagajeevanramnagar, Thirunindravur, Royapuram.
- **EWSD:** Chrompet, Pozhichalur, Pallavaram.
- **AXE-10:** Padi.

West Zone:

- **OCB-283:** Junagarh TAX.

East Zone:

- **OCB-283:** Central OCB Tandem (COT), Uttarpara.
- **EWSD:** Behala, C R Avenue (Chittaranjan)

3 PLAN FOR PERIOD : NOV' 2013 – JAN' 2014

3.1 INSPECTION

✦ C-DOT EXCHANGES

Inspection of the following CDOT Exchanges has been planned for period from November 2013 to January 2014:

NOVEMBER 2013:

South Zone: Arupukottai, Virudhunagar, Ranebennur, Gadag, Muddebhal, Mudhol, Bijapur, Kundapura, Udipi, Pattambi-I, Pattambi-II, Pattambi-III, Bagewadi, Hunogund, Jamakhandi, Idukki, Narakkal, Parur, Badami, Bagalkot, Indi

West Zone: Barwala, Dehgam, Dhanduka, Dholka, Sanand, Viramgaon.

DECEMBER 2013:

South Zone: Challekere, Chitradurga, Hosadurga, Kumbanad, Adoor, Thirthahalli, Shimoga, Thalayalparambu, Ranni, Vadasserikara, Mundakayam, Pambadi, Erattupeta, Mandya, Srirangapatna, Mysore Gokulam.

West Zone: Jaspur, Pathalgaon, Raigarh, Sarangarh.

JANUARY 2014:

South Zone: Machilipatnam, Vuyyuru, Jaggayyapeta, Nuzvidu, Gudur, Kavali, Bhimadole, Palacole, Bhimavaram, Rajamundry, Ramachandrapuram, Nalgonda, Kodad, Suryapeta, Manthani, Peddapalli, Godavarikhani.

West Zone: Dewas, Nagda, Bhuravay, Dahodi, Derol, Devgarhabari, Habol, Jhalod, Lumkheda, Shehara.

✦ NEW TECHNOLOGY EXCHANGES

Inspection of the following New Technology Exchanges has been planned for period from November 2013 to January 2014:

NOVEMBER 2013:

East Zone:

- **OCB-283:** Haldia, Durgapur, Siliguri Local, Siliguri TAX.

- **EWSD:** Jadavpur.

South Zone:

- **OCB-283:** Gadag, Udipi, Kellys, Chrompet OCB RSU Nakkalkeni, Kellys OCB RSU Aminjikai.
- **5ESS:** Kellys, Kellys 5ESS RSU Choolai.
- **EWSD:** Chrompet EWSD RSU Medavakkam, Chrompet EWSD RSU East Tambaram, Chrompet EWSD RSU Gowrivakkam, Chrompet EWSD RSU Rajakilvakkam.

West Zone:

- **OCB-283:** Railwaypura.
- **AXE-10:** GBT Ahmedabad

DECEMBER 2013:

North Zone:

- **OCB-283:** Roorkee.
- **EWSD:** Hardwar.

East Zone:

- **OCB-283:** Maldah Local, Maldah TAX, Panbazar Local, Panbazar TAX, Dispur.
- **EWSD:** Circus (CTD).

South Zone:

- **OCB-283:** Shimoga, Kottayam, Pala, Flower Bazar.
- **5ESS:** Kaithemukku, Vellayambalam, Flower Bazaar Local, Flower Bazaar 5ESS RSU: Secretariat, Kathivakkam, Periamadu, Broadway, Walltax Road, Poonamallee.
- **AXE-10:** Kaithemukku.
- **EWSD:** Medical College, Adoor, Ranni

West Zone:

- OCB-283: Raigarh.

JANUARY 2014:

South Zone:

- **OCB-283:** Nellore, Rajamundry, Chennai – Dinrose, Haddows Road OCB RSU: Vani Mahal, Chetpat, Club House, Income Tax Office, Sait Colony, Royapettah, Greams Road.
- **5ESS:** Kellys 5ESS RSU: Thiruverkadu.
- **AXE-10:** Maramalai Nagar.
- **EWSD:** Sriperampudur

East Zone:

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

North Zone:

- **OCB-283:** Jaipur Bajaj Nagar, Meerut.

West Zone:

- **OCB-283:** Godhra.



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

| S.N. | Telecom Circle | C1 | C2 | C3 | C4 | C5 | C6 | C7 |
|------|------------------|------------|-----------|----------|------------|------------|------------|----------|
| 1 | A & N | 1 | | | | | | |
| 2 | Andhra Pradesh | 52 | 3 | 1 | | | | 2 |
| 3 | Assam | 3 | | | | | | |
| 4 | Bihar | 2 | | | | | | |
| 5 | Chhattisgarh | 5 | | | | | | |
| 6 | Gujarat | 9 | | | | | | |
| 7 | Haryana | 72 | | | | | | |
| 8 | Himachal Pradesh | 26 | | | | | | |
| 9 | J & K | 2 | | | | | | |
| 10 | Jharkhand | 1 | | | | | | |
| 11 | Karnataka | 28 | 2 | | | | | |
| 12 | Kerala | 3 | 5 | | | | | |
| 13 | Madhya Pradesh | 40 | | 1 | | | | |
| 14 | Maharashtra | 35 | | | | | | |
| 15 | NE-I (Shillong) | 1 | | | | | | |
| 16 | NE-II (Dimapur) | | | | | | | |
| 17 | Orissa | 10 | | | | | | |
| 18 | Punjab | 26 | | | | | | |
| 19 | Rajasthan | 55 | | | | | | |
| 20 | Tamil Nadu | 23 | 1 | | | | | |
| 21 | UP - East | 54 | | | | | | |
| 22 | UP - West | 19 | | 1 | | | | |
| 23 | Uttarakhand | 8 | | | | | | |
| 24 | West Bengal | 3 | | | | | | |
| | Total | 478 | 11 | 3 | Nil | Nil | Nil | 2 |

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|----|--|------------|
| C1 | Problems Solved (Telephonically/ In-writing) | 478 |
| C2 | Site Visit | 11 |
| C3 | Exchange Data Correction | 3 |
| C4 | Engineering Change Note (ECN) Implementation | Nil |
| C5 | Software Retrofits | Nil |
| C6 | Deliverable Media Preparation (Cartridges/ EPROMs) | Nil |
| C7 | Critical Field Problems | 2 |

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

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