



National Centre for Next Generation Network

Monthly Information Bulletin

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1. OBSERVATIONS

1.1 C-DOT: Disk cleaning to avoid IOP synchronization failure

With the introduction of CDR based billing system in BSNL network the CDR files including **ncbr & tgbr** dumping in IOP & putting all SUBs on Local Billing, the disk space will be consumed much faster as compared to earlier s/w releases. So, regular disk cleaning is very much essential in all C-DOT exchanges having Software version 2_2_1_9 in order to avoid IOP synchronization failure and other IOP related problems.

For this following every fortnight (1st & 16th of each month) following File Groups should be deleted after taking back-up by 'copy-out' command:-

- a) <del-fgp-file: , bc { From date-> To date}; ---- After taking back-up
- b) <del-fgp-file : , tg { From date -> To date}; ---- After taking back-up
(Note: Keep maximum 2 months BC & TG data in the IOP disk.)
- c) <del-fgp-file : , tf { From date -> To date}; ---- Take backup if required
(Note: Keep maximum 15 days TF data in the IOP disk.)
- d) <del-fgp-file : , ioh; ---- No back-up required
- e) Run utility 'cre-space' after verifying DISPL-OOD-LOG if required, as this will null all the files of oodlogDD in \$TOOLP directory.

Therefore, it may be directed to the officer in-charge of the C-DOT Exchanges to look into the matter and perform the disk cleanup procedure at regular interval to avoid IOP related problems especially IOP synchronization failure.

1.2 SMPS Power Plant: Automatic isolation/ reconnection of battery from load

It has been observed that the automatic isolation/ reconnection of battery banks from load has not been found implemented in power plant thereby exposing the batteries to be deep discharged, which reduces the life of batteries.

As per MS Cell, BSNL Corporate Office instruction vide No. 7-1/2003-PHM dated 04.01.2005 and TEC GR in this regard, all the power plants specially in unattended locations has to be implemented with this provision of automatic isolation / reconnection of battery banks from load with lower cut off voltage of 1.85 V/ Cell.

Therefore, officers in-charge of Exchanges may be directed to ensure the implementation of automatic isolation / reconnection of battery banks from load so as to avoid deep discharge of batteries.

1. ACTIVITIES CARRIED OUT DURING NOVEMBER 2013

2.1. CDOT TECHNOLOGY

✦ INSPECTION

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

South Zone: Arupukottai, Virudhunagar, Allampatty, Adoor, Parakode, Kumbanad, Kurianoor, Ranni, Edamonranni, Vadasserikara, Chittar, Pattambi I, Pulassery, Pattambi II, Chalissery, Shoranur, Pattambi III, Lakkidi, Vaniyakulam, Narakkal, Edavanakad, Cherai, Paravur, Alangad, Chendamangalam, Ranebennur, Kumarapatnum, Gadag, Betageri, Halkoti, Kundapura, Byndoor, Udupi XL I, Kemmannu, Udupi XL II, Mandya, Haluwady, Mysore Gokulam, Chamarajanagar, Srirangapatna, Belagola.

✦ 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 November 2013.

- **CORRECTIVE MAINTENANCE**

- Problems Solved (Telephonically/ in writing) : 528
- Exchange Data Correction : 10

- **CRITICAL FIELD PROBLEMS**

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

South Zone: Palakollu (AP), Tiruchandur (TN), Rajole (AP), Mayiladuthuai (TN), Devanahalli (KTK), Jayanagar (KTK), Puttur (KTK).

East Zone: Namch (WB), Alipurduar (WB), Hasimara (WB).

- **PREVENTIVE MAINTENANCE VISIT**

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

East Zone: Paralakhemundi (OR).

North Zone: Patiala (PB), Jind (HR).

2.2. NEW TECHNOLOGY

✦ INSPECTION

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

South Zone:

- **5ESS:** Kellys, Mogappair West, Pulianthope, Choolai.
- **OCB-283:** Udupi, Manipal, Gadag, Harti, Kellys, Purusaivakkam, Aminijikarai.
- **EWSD:** Adoor, Kadambanad, Ranni, Vechoochira, Medavakkam, East Tambaram, Rajakilpakkam.

East Zone:

- **OCB-283:** Siliguri Local, Siliguri TAX, Durgapur, Haldia.
- **EWSD:** Ranchi Local, Ranchi TAX, Circus CTD.

3 PLAN FOR PERIOD : DEC' 2013 – FEB' 2014

3.1 INSPECTION

✦ C-DOT EXCHANGES

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

DECEMBER 2013:

South Zone: Challekere, Chitradurga, Bijapur, Bagarkot CDOT
RSU – Mudhol, Thirthahalli, Shimoga,
Thalayalaparambu, Bagewadi, Sindagi,
Jamakhandi, Mundakayam, Pambadi, Erattupeta,
Badami, Bagalkot, Indi.

West Zone: Jaspur, Pathalgaon, Raigarh, Sarangarh.

JANUARY 2014:

South Zone: Machilipatnam, Vuyyuru, Jaggayyapeta, Nuzvidu, Bhimavaram, Palacole, Gudur, Kavali, Ravulapalam, Ramachandrapuram, Nalgonda, Kodad, Suryapeta, Karim Nagar, Jagityala, Godavarikhani.

West Zone: Ahmadnagar, Akole, Jamkhed, Karjat, Kopargaon, Newsa, Pathardi, Rathuri, Sangamner, Srigonda, Shirampur, Shevgaon.

FEBRUARY 2014:

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

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

✦ NEW TECHNOLOGY EXCHANGES

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

DECEMBER 2013:

East Zone:

- **OCB-283:** Harinavi.

South Zone:

- **OCB-283:** Davanagere, Bijapur, Shimoga, Kottayam, Pala, Flower Bazaar Tandem.

- **5ESS:** Kaithemukku, Vellayambalam, Flower Bazaar Local, Flower Bazaar RSUs → Sereteriat, Kathivakkam, Periamedu, Broadway, Walltax Road, Poonamallee.
- **EWSD:** Medical College.
- **AXE-10:** Kaithemukku

West Zone:

- **OCB-283:** Raigarh.

JANUARY 2014:

East Zone:

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

South Zone:

- **OCB-283:** Nellore, Rajamundry, Dinrose, Haddows Road RSUs → Vani Mahal, Chetpat, Income Tax Office, Sait Colony, Royapettah, Greams Road, Anna Road RSU → Ice House.
- **5ESS:** Kellys RSU → Kathivakkam.
- **AXE-10:** Maraimalai Nagar.
- **EWSD:** Sriperampudur, Vijaywada CTX, Bhimavaram

North Zone:

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

FEBRUARY 2014:

South Zone:

- **OCB-283:** Ongole, Mananchira, Adyar, Adyar RSU → Sholinganallur, Kellys RSUs → Ayanavaram, Kumaran Nagar, Red Hills, Kallikuppam.
- **5ESS:** Feroke, Kalpatta.
- **AXE-10:** Anna Nagar RSU → Mogappair East.

- **EWSD:** Tiruppur, Guntur, Chrompet RSU →
Gowrivakkam.

East Zone:

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

North Zone:

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



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

S.N.	Telecom Circle	C1	C2	C3	C4	C5	C6	C7
1	A & N	3						
2	Andhra Pradesh	42	4	1				2
3	Assam	5						
4	Bihar	13						
5	Chhattisgarh	6						
6	Gujarat	14						
7	Haryana	39	1	4				
8	Himachal Pradesh	30						
9	J & K	9						
10	Jharkhand	10						
11	Karnataka	42	17					3
12	Kerala	3						
13	Madhya Pradesh	69						
14	Maharashtra	35						
15	NE-I (Shillong)	2						
16	NE-II (Dimapur)							
17	Orissa	8	1	2				
18	Punjab	41	2					
19	Rajasthan	44		2				
20	Tamil Nadu	28	3					2
21	UP - East	58		1				
22	UP - West	23						
23	Uttarakhand	2						
24	West Bengal	1	3					3
	Total	528	31	10	Nil	Nil	Nil	10

C1	Problems Solved (Telephonically/ In-writing)	528
C2	Site Visit	31
C3	Exchange Data Correction	10
C4	Engineering Change Note (ECN) Implementation	Nil
C5	Software Retrofits	Nil
C6	Deliverable Media Preparation (Cartridges/ EPROMs)	Nil
C7	Critical Field Problems	10

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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