



# National Centre for Next Generation Network

## Monthly Information Bulletin

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### 1. OBSERVATIONS

#### 1.1 C-DOT: Aborting of data creation/modification command through IOP Console

In C-DOT switches, sometimes it was noted that due to improper handling of IOP Console, important Exchange Data files (ED Files) may get corrupted and sometimes results in complete system data loss.

In this regard, C-DOT has expressed that the field personnel operating the IOP console should not abort any data creation / modification command midway by pressing ( **ctrl & \** ). This may corrupt many important ED files involved in the process or sometimes may result in complete data loss. To avoid such problems operating personnel should always wait for the command to get timed out itself and then proceed further for other commands.

It is therefore, impressed upon exchange in-charge to follow the above procedure while aborting the data creation/modification command through IOP Console in order to avoid occurrence of such problems.

#### 1.2 Monthly Testing of Fire Detection and Fighting Systems

During inspection of exchanges, it has been observed that records pertaining to results of monthly checking of fire fighting appliances, monthly testing of fire and alarm detection system, interlocked tripping of associated air-conditioning system on fire alarm etc. are not readily available.

At many places, it has been noticed that interlocked tripping of air-conditioning system on simulation of fire alarm is not working but the same had not been reported to be faulty. Also, it has not been possible to know the time of occurrence of such faults due to non-availability of proper records in respect of monthly tests performed in accordance with the instructions contained in FIRE PROTECTION MANUAL issued from BSNL Corporate Office.

It is important that the aforesaid activities should be performed and results should be kept readily accessible to officer in-charge of the exchange for effective monitoring of performance and parameters.

# 1. ACTIVITIES CARRIED OUT DURING SEPTEMBER 2013

## 2.1. CDOT TECHNOLOGY

### ✦ INSPECTION

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

**South Zone:** Kulithurai, Marthandam, Kaliakavilai, Nagercoil, Ramaputhur, Vadaserry, Thucklay, Thiruvithancode, Aloor, Karaikkal, Ambagarathur, Myladuthurai, Kuttalam, Nagapattinam, Vettaikaraniruppu, Sembanarkoil, Poraiyar, Gingee, Kallakurichi, Tindivanam, Kasargod, Maipady, Nekraje, Kandasani Kadavu, Vandanapalli, Kodunganallur, Mala, Annamanada, Sultan Bathery, Chulliode, Ambalavaayal, Bangarpet, Hadukula, Kolar, Rehmathnagar, Tamka, Malur, Tekal.

**West Zone:** Atpadi, Shirala, Islampuri-1, Islampur-2, Jath, Kavathe\_Mahankal, Tasgaon, Miraj I, Miraj II, Vita.

### ✦ 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 September 2013.

- **CORRECTIVE MAINTENANCE**

- Problems Solved (Telephonically/ in writing) : 477
- Exchange Data Correction : 3

- **CRITICAL FIELD PROBLEMS**

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

**South Zone:** Sholapuram (TN), Bidar (KTK), Ranipet (TN), Mananthavadi (Kerala), Dharapuram (TN), Bobbili (AP), Karaikudi (TN), Udumalpet (TN)

## **2.2. NEW TECHNOLOGY**

### **✦ INSPECTION**

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

#### **South Zone:**

- **5ESS:** Badagara, Kakkattil, Mokeri, Thiruvikanagar.
- **OCB-283:** Cuddalore, Panrutti, Thirupapuliyur, Kannur, Valapattanam, Mangattuparamba, Kasargod, Muliyar, Badagara, Nadapuram, Villiappally, Annaroad Local, Annaroad Tandem, Spencer Plaza, Kalmandabam, Ramnagar.
- **EWSD:** Nagercoil, Boothapandi, Aralvaimoli.
- **AXE-10:** Ambattur O.T.

#### **West Zone:**

- **EWSD:** Sangli.

#### **East Zone:**

- **OCB-283:** Alipore Local, SOT (Kalighat) Local cum Tandem.

## **3 PLAN FOR PERIOD : OCT – DEC’ 2013**

### **3.1 INSPECTION**

#### **✦ C-DOT EXCHANGES**

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

#### **OCTOBER 2013:**

**South Zone:** Bhavani, Sathiamangalam, Dharapuram, Gopichettipalayam, Perundurai, Sasthankota, Kundra, Nilambur, Kolancherry, Raichur, Koppal,

Kustagi, Ochira, Pathanapuram, Afzalpur,  
Shahabad, Shahpur,

**West Zone:** Diu, Ghb\_Junagadh, Jawahar\_RD, Keshod,  
Mangrol\_Jng, Talala, Una, Veraval.

#### **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, Thalayalaparambu,  
Ranni, Vadasserikara, Mundakayam, Pambadi,  
Erattupeta, Mandya, Srirangapatna, Mysore  
Gokulam.

**West Zone:** Jaspur, Pathalgaon, Raigarh, Sarangarh.

#### **✦ NEW TECHNOLOGY EXCHANGES**

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

#### **OCTOBER 2013:**

##### **East Zone:**

- **OCB-283:** COT Local cum Tandem, Uttarpara, Harinavi.
- **EWSD:** Behala, Burra Bazar, Salt Lake.

**South Zone:**

- **OCB-283:** Erode, Chinnakada, Nilambur, Manjeri, Tirur, Muvattupuzha, Anchal, Thirunidravur, Chrompet Local, Pallavaram, Pammal, Royapuram, Jagjivanramnagar.
- **5ESS:** Kalamacherry, Jothinagar
- **AXE-10:** Padi.

**West Zone:**

- **OCB-283:** Junagarh.

**NOVEMBER 2013:**

**East Zone:**

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

**South Zone:**

- **OCB-283:** Gadag, Udipi, Kellys, Nakkalkeni, Aminjikai.
- **5ESS:** Kellys, Choolai.

**West Zone:**

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

**DECEMBER 2013:**

**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 Bazar Local, Flower Bazar RSU: Secretariat, Kathivakkam, Periamedu, Broadway, Walltax Road, Poonamallee.
- **AXE-10:** Kaithemukku.

**West Zone:**

- **OCB-283:** Raigarh.



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

S.N.	Telecom Circle	C1	C2	C3	C4	C5	C6	C7
1	A & N							
2	Andhra Pradesh	31	2	1				1
3	Assam							
4	Bihar	22						
5	Chhattisgarh	4						
6	Gujarat	7						
7	Haryana	36						
8	Himachal Pradesh	19		1				
9	J & K	3						
10	Jharkhand							
11	Karnataka	24	1					1
12	Kerala	17	1					1
13	Madhya Pradesh	64						
14	Maharashtra	21						
15	NE-I (Shillong)	1						
16	NE-II (Dimapur)							
17	Orissa	8						
18	Punjab	46						
19	Rajasthan	38						
20	Tamil Nadu	34	12	1				5
21	UP - East	53						
22	UP - West	37						
23	Uttarakhand	7	2					
24	West Bengal	5						
	<b>Total</b>	<b>477</b>	<b>18</b>	<b>3</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>8</b>

C1	Problems Solved (Telephonically/ In-writing)	<b>477</b>
C2	Site Visit	<b>18</b>
C3	Exchange Data Correction	<b>3</b>
C4	Engineering Change Note (ECN) Implementation	<b>Nil</b>
C5	Software Retrofits	<b>Nil</b>
C6	Deliverable Media Preparation (Cartridges/ EPROMs)	<b>Nil</b>
C7	Critical Field Problems	<b>8</b>

## **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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