



No: 12-11/2010-BB/Maint

date 08/12/2010

Minutes of Meeting for discussing Slow Broadband Speed Problems

A follow-up meeting for “slow broadband speed problem” was held under the chairmanship of ED (CN) in the corporate office on 25/11/2010 to discuss & find ways to resolve issue of slow broadband speed in broadband network. Following officials were present in the meeting:

1. Sh. J.K Roy, ED (CN), BSNL C.O.
2. Sh. Anil Jain, Sr. GM (NWP-BB), BSNL C.O.
3. Sh. J.M. Suri, Sr. GM (ILD), BSNL C.O.
4. Sh. Lakhmani, GM HQ (NTR), BSNL C.O.
5. Sh. Vivek Srivastava, DGM (CNO), BSNL C.O.
6. Sh. R.K Singh, DGM(BM), NTR Circle, New Delhi
7. Sh. R.R. Yadav, DGM (CNP-II), BSNL C.O.
8. Sh. Vishwa Mohan, DGM (BBO), BSNL C.O.

1. New additional routes & Augmentation of Links

ED (CN) informed in the meeting that some new additional routes have been commissioned in last few months and some links have been augmented as per the proposal of STR circle. Some of the linear links have also been converted into ring.

a) Details of new additional routes commissioned since August, 2010 are as follows:

Mumbai-Nagpur, Mumbai-New Delhi-Link 2, Mumbai-New Delhi- Link 3,
Mumbai-Kolkata- Link 2, Mumbai-Ahemdabad- Link 3, Mumbai-Pune- Link 2,
Mumbai-Pune- Link 3, Mangalore- Ernakulum, Mumbai- Indore, New Delhi- Jalandhar,
Jalandhar- Jaipur, Jabalpur- Ranchi, Bilaspur- Ranchi.

b) Details of augmented links are as follows:

Delhi -Jaipur, Jaipur-Mumbai, Noida-Chandigarh, Kolkata- Noida, Patna- Noida,
Bangalore- Chennai, Bangalore- Mumbai- Link 2

c) Following linear links would be converted into ring within November, 2010.

New Delhi- Jaipur, Mumbai- Jaipur 2nd Link

2. Diversion of Ports/ MPLS Augmentation

It was observed that due to increased broadband and internet traffic, some of the PE routers are facing choking problem. To avoid this, additional STM-16 links and alternate routing is required. At most of the core locations, 10GE link are required instead of STM-16. Augmentation is required at A1, A2 & A3 locations also.

- a) STR, Bangalore has sent a list of 59 links requiring up gradation urgently and consolidated requirement of additional ports in existing routers location-wise.
- b) It was decided in the meeting that CNP cell would take necessary action & arrange for up gradation of links of top priority and 10 GE ports for routers on urgently basis for top priority locations. The same would be done after analyzing the report of links/routers requiring up gradation as received from GM (MPLS).

4. International Bandwidth

DGM (NTR) informed that in last few months, international internet traffic has increased considerably. BSNL's international internet traffic was increasing in the range of 2.5 GB on monthly basis. However, in last three months, it has increased by almost 10GB per month. Currently BSNL's Capacity is 75GB. Location wise average traffic is 73%.

- a) Sr. GM (ILD) informed that an average of 3-4 months processing time is taken in processing the demand of additional international bandwidth. This includes time for inviting the bids, finalization of bids, issuance of PO and commissioning because NTR and ILD cells are involved in this.
- b) It was suggested in the meeting to recommend that location wise average traffic limit for additional augmentation of international bandwidth be reduced to 50% instead of present 73%. ILD cell of Corporate Office can further take up this issue.
- c) It was discussed that in future EOIs, BSNL should ask International Bandwidth providers (Airtel, Reliance & Tata) to provide some %age (20% or so) of international bandwidth at Delhi and Kolakata also. The possibility of the same would be explored by the ILD cell at the time of next augmentation under current EOI also.
- d) As the video traffic is increasing tremendously BSNL may consider Google peering option also. Sr. GM(NWP-BB) informed that same was tried to be put through but due to regulatory requirements not getting fulfilled, the proposal was dropped. He however agreed to take up this issue afresh.

5. Following decision were taken in the meeting

A. Informing Punjab circle to route its internet traffic on following routes based on their priority.

a) Chandigarh-Jalandhar-Jaipur-Mumbai (First Priority)

b) Chandigarh-Jalandhar-Delhi-Mumbai (Second Priority)

DGM (MPLS) may likewise route the traffic and Punjab Circle may inform status after a week. CNO cell may oversee this work.

B. Bandwidth consumption by each broadband customer - BM Cell of NTR may provide the data of international bandwidth consumption per month. NOC, Bangalore would provide data for total number of broadband customers. NOC, Bangalore

would do the final compilation for bandwidth consumption by each broadband customer every month.

C. Bandwidth consumption by each 3G mobile customer- NOC, Bangalore would collect the data for bandwidth consumption by each 3G mobile customer of from four zones of NWO-GSM and do the final compilation for bandwidth consumption by each 3G customer every month.

D. Circles would be asked to submit a status report for various broadband tariff plans pertaining to different speeds (2Mbps, 4Mbps, 8Mbps, 16Mbps & 24Mbps).

Vishwa Mohan

(Vishwa Mohan)
DGM (BBO), Corp. Office.

Copy to:

1. CMD/ Director (CFA)/ (ENT) for kind information please.
2. ED (CN)/ CGM (NTR)/CGM (STR)/CGM (BBNW)/CGM (Punjab)/CGMs of all circles for info and n/a please.
3. GM (TF-CM), BSNL CO for n/a please.
4. All the participants.