

O/o Principal General Manager, 5th Floor,
(Broadband Networks, Bangalore)
Bangalore East Telecom Building,
Lazar Road,
Bangalore -560005.



भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)
Broadband Networks Circle

BSNL/BBNW/BG/P3/FTTH /19

Date: 21-10-2017

To

All Chief General Managers
SSA Heads/PGM (EB)/Circle/SSA
Circle Coordinators/SSA Node In Charges

URGENT

Sub: Revised Third Party OLT Integration to BSNL Network

OLTs from third Party Vendors are being integrated to BSNL network. As it is a good business model ,more number of third-party OLT requests are being received from all zones . It is decided to revise the third party integration procedure. The following documents are to be shared to RPOPs/NOC of BBNW for IP and VLAN allocation.


1. A letter of approval of SSA Head for integrating the OLT into the Network
2. Site Inspection Report as Annexure 1
3. Equipment and connectivity details in prescribed excel format as Annexure 3
4. Undertaking from the Vendor signed by either Validation committee member or Node In Charge as Annexure 2

The following are the responsibilities of SSAs/Telecom Circles after integration of OLTs

1. Formation of appropriate validation committee members
2. Signing the appropriate Agreement with the vendor
3. Completion of Test Procedure as per Annexure 4
4. Ensuring all the security measures as issued by BSNL,DOT and LEAs
5. Ensuring the Port binding of corresponding customer ports & conducting MONTHLY AUDITs on services
6. Ensuring proper utilization of ports
7. Commissioning of OLTs
8. Intimating the commissioning date of OLTs to respective NOC

It is hereby requested to **follow all the instructions and security measures** in providing FTTH Services to the customers through third party OLTs and to **submit Audit Report/Commissioning Date of OLTs/Security violation if any to NOC/RPOP before 5th of every month.**

SSAs should be prepared to submit the report as per the requirement of NOC,if any query is to be replied to HQ/DOT/LEA


(D.M.EZHIL BUDDHAN)
Principal General Manager
Broad Band Networks
Bangalore-560005

Copy to :

1. The CGM, BBNW Circle, New Delhi for kind information
2. **GM(OP&PLG) / GM(NWP-BB) BSNL CO - for kind info pl.**

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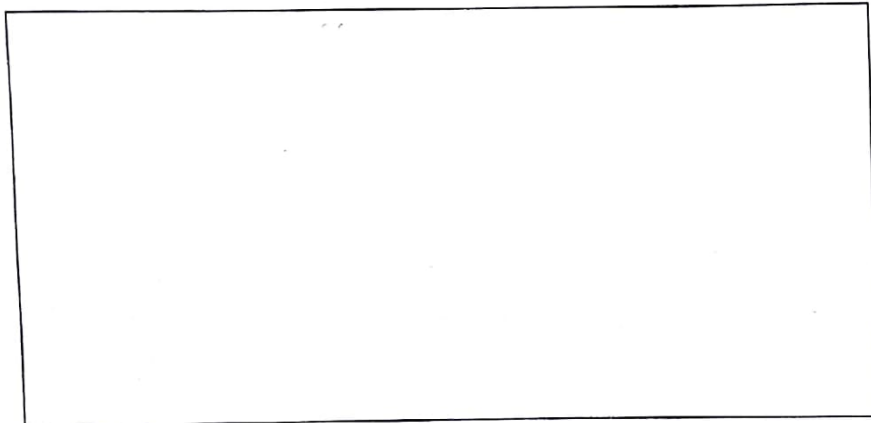
BHARAT SANCHAR NIGAM LIMITED

Third Party equipment Installation Performa

(to be filled up by BSNL)

1. Equipment Name : _____
2. Approval ref No. : _____
3. Circle : _____
4. SSA : _____
5. Equipment Location : _____
6. Details of Equipment installed : _____
7. Connectivity details : _____
 - a) OCLAN/RPR IP : _____
 - b) OCLAN/RPR Port no. : _____
 - c) OLT IP AND port no. : _____
 - d) ONT details(MAC/serial no) : _____
 - e) BNG IP : _____

8. Schematic Diagram of end to end connectivity.



9. Remarks.

(DGM/GM BSNL)

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Annexure 2

Undertaking

Vendor will adhere to security guidelines issued time to time. Any Loop holes/security vulnerability detected in the network elements of third party Vendor should be addressed and fixed by the vendor on priority.

Adequate Security mechanisms shall be provided in the third party equipment so as to prevent unauthorized access or interfaces to services, calls, protocols and data.

Any security related Activity which is essential and left out from Tender document shall be done by the vendor

Signature of Validation Committee members/

Signature of Vendor

Node In Charge

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Annexure – 4

Kindly requested to share the procedure as given below with the signature of validation committee members. If there is any difference from the existing flow and any other security concern needs to be intimated to NOC without any fail.

Test Schedule

Sl No	Test Case	Expected Result	Remark
1	Reachability of OLT from BNG	Should be able to ping	
2	Configuration of ONT for Broadband service	Should be able to support Q n Q VLAN	
3	Authentication of service username through ONT	Successfully get authenticated across all systems	
4	Check in Bridge mode and router mode	Should get authentication in both Bridge and router mode	
5	Testing of browsing	Should be able to browse all sites	
6	CDR Generation and checking	CDR Generated should be of existing format	
7	Speed Test	Should get the speed according to the profile configured at BNG	
8	Testing of Profile Configuration at OLT	Should be able control the speed according to the profile configured in OLT/ONT.	
9	VoIP soft switch Reachability	VoIP gateway and then soft switch IP should get ping from ONT.	
10	VoIP registration	VoIP number status should be registered in CDOT server after required configuration.	
11	Testing VOIP calls	Call should be through across all networks.	
12	WAN side of ONTs should be disabled	Please check any remote access is allowed at ONT level	
13	ONTs should be password protected	Please make sure that passwords of ONTs Should be in alpha numeric ombination	
14	VOIP Interface of ONTs should be password protected	VOIP interface of ONTs should be password protected with complex password and should not listen to ports like 21,22,23,25 etc.	
15	WAN interface of ONTs should not listen to Port 23 ports.	WAN interface should listen to only required ports.	
16	Security audit report for the Devices OLT , ONT etc	Audit report by by any CERT-In authorized agency	