

O/o The General Manager  
(Broadband Networks , Bangalore)



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

NO:DGM/BBNW/BG/D-LINK Switches Testing/2016-17/2

dt.30-11-2016

**NOTE**

**Sub: Feasibility report on testing of D-LINK Switches- Tested at Chennai**  
**Ref: BSNLCO letter no 32-96/2013-NWP-BB/FTTH Services (Part-II) Dated 11.11.2016**

With reference to the above subject, Please find enclosed here with the specific comments w.r.t to provisioning of high speed BB Connection without Voice (VLBB) to meet the requirement of Customers by putting L2 managed switch the following points are suggested.

**1. Identification of customers:**

- Customers can be identified with the Outer VLAN (Device) and the Inner VLAN (Port) combination which can identify the port to the customers similar to the port binding principle applied for the DSLAM customers.
- The username and Password provides the next level of identification of the customer as all the details of authentication, user data generation and billing is done as per this username and password combination.
- A separate directory shall be maintained by the SSA incharges as to which customer is provided what services and port details so that it can be verified over and above the first two methods of identification.
- Creation of user id shall be carried out with a discipline / nomenclature as  
VBxxAA999YYYYY

Where,

VB is voiceless Broadband

xx – DLINK / service equipment providers

AA – Area Code

999 – Unique Code for Voiceless Broadband Services

YYYYY – customer number or access numbers which can be mapped to  
Building / Flat / Room etc..

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- 2. Billing, Authentication, provisioning and meeting LEA requirements:** Since the mechanism of identification and authentication is based on the existing mechanism similar to our broadband customers, the billing, provisioning, authentication and meeting the LEA requirements will be on the similar lines of existing broadband services.

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D-LINK Switch test Report by BBNOC Bangalore.

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