



प्रणाली एवं आंकडा प्रबंधन महानिदेशालय
केंद्रीय अप्रत्यक्ष कर एवं सीमा शुल्क बोर्ड
1st फ़्लोर, टावर 1, एनबीसीसी प्लाजा,

पुष्प विहार, नई दिल्ली -110017

cbic.lanwan@icegate.gov.in 011-29561543

मि.स.: IV (24)/35/2016-प्रणाली/ Pt-I

दिनांक: 11.08.2020

Advisory: - LW/02/2020

Provisioning of alternate connectivity through VPN for MPLS locations - reg

In the current CBIC ecosystem, the connectivity to different offices of CBIC to CBIC Data Centers has been provided either through MPLS (BSNL/MTNL or TCL) procured centrally by DG Systems or by VPN over Broadband (VPN_oBB)/VPN over Internet (VPN_oI) procured locally by sites.

2. Connectivity through MPLS to the offices, which are critical (mainly Customs locations or having large no of AIOs) has been supplemented through alternate Link of another service provider. Rest of CBIC locations are currently having only one mode of MPLS connectivity. Even though there is strict SLA on service providers for ensuring availability of the links, DG System has put a robust system of continuous monitoring of all links centrally. Whenever any link of a location goes down, matter is taken up immediately with respective service provider for early restoration of link so that there should be minimum disruption of works at location. However, it has been noticed on a number of occasions, when the existing single MPLS connectivity goes down for any location and there is delay in restoration work by BSNL/ TCL due to various factors like OFC cut, RF tower damage etc, the work of the location is severely hampered.

Instances have also come to notice of DG systems wherein any office(s) is shifting to new location necessitating either shifting of existing MPLS link to new location or warranting a new MPLS connection at that location, sometimes commissioning of MPLS link at new location is delayed by the service provider. This poses a serious challenge in operationalizing shifted office from the new location for want of MPLS connectivity.

3. In order to address the aforesaid situations and to ensure that officers are able to access applications even when MPLS link is either not commissioned or down, it is strongly advisable that the offices as discussed at para 2.0 above, should also have provision of VPN connectivity for adequate no of AIOs so that there should not be disruption of any important work for the office due to MPLS

connectivity issues.

4. As most of offices have already procured internet connections from different broadband service providers for their other office works, the same can be used to access applications using VPN on AIOs through local Wi-Fi/Mobile Hotspot for the scenarios covered at para 2.0 above. It is to clarify that all AIOs are already equipped with Wi-Fi, however to enable Wi-Fi on AIO, a one-time intervention of RE may be required. Once MPLS connectivity is restored, AIO will be connected to Data Center through MPLS. For that, you are required to send list of AIOs in the enclosed VPN mapping Template for adding selected AIOs for allowing access through VPN. In the same template you must also indicate, the SSO ID of the officers for whom VPN IDs needs to be created. It may kindly be noted that the number of AIOs should not be more than 30% of the total AIOs at the location.

Shree
14/08/2020
(Vinayak Chandra Gupta)
Additional Director General
Lan-Wan