



High Level Design

Customer Name:ESCAUX

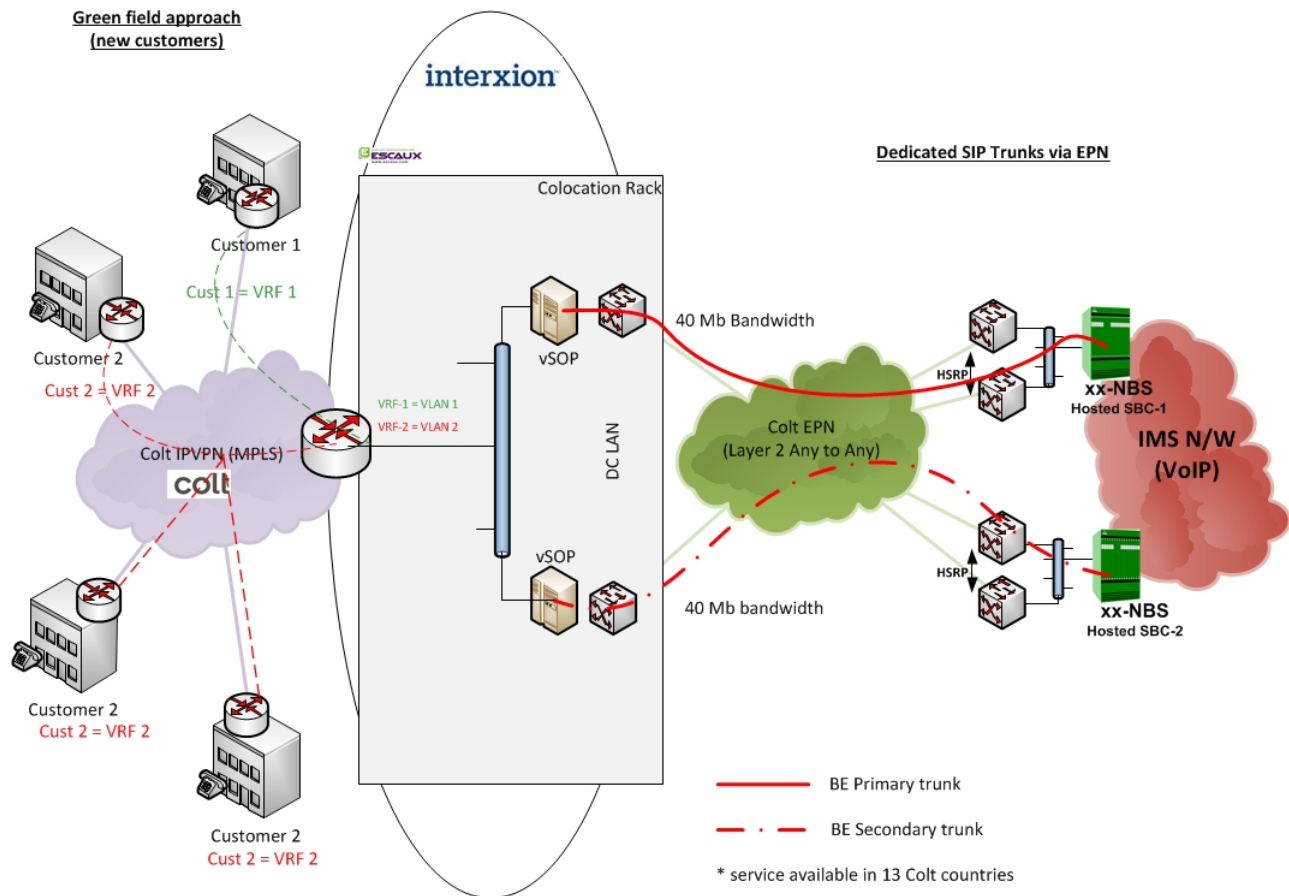
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1 High Level Technical Design

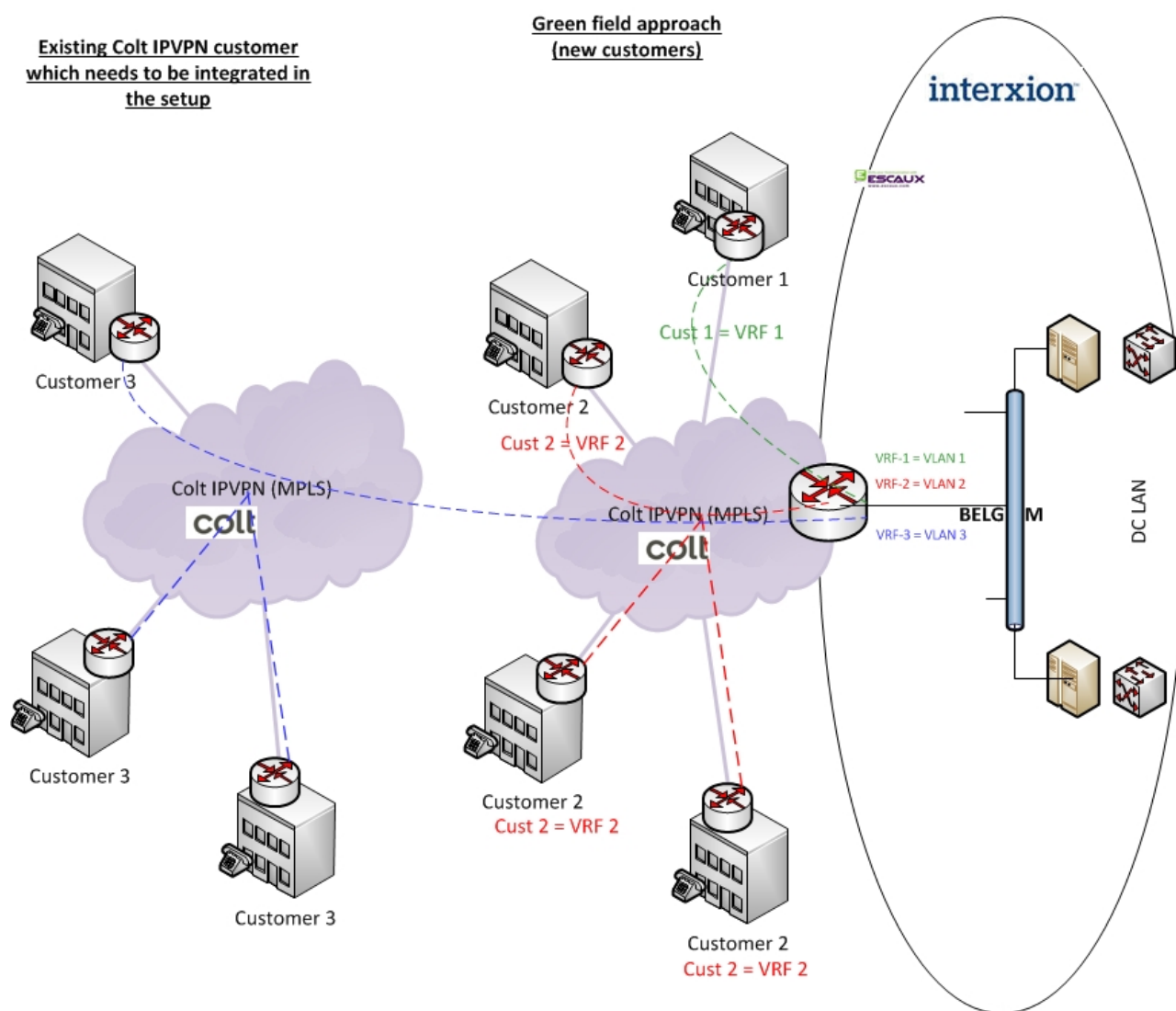
1.1 Connecting new customers to Escaux network

- Colt will offer a combination of Number hosting (Carrier VoIP flavour) and Colt IPVPN Corp plus (MPLS)
- All new customers will be connected to one IPVPN network
- We have one central router, located on HUB site at Interxion, which is part of the Colt IPVPN network
- Each of the customer has his own VRF
- There is no direct inter site traffic possible, between customer/company 1 and customer/company 2, except if Escaux accepts to make this happen via the HUB (main) site
- All sites connected towards the same VRF can make direct inter site communications (without passing via the main site)



1.2 Connecting existing Colt customers to Escaux network

- Colt will offer a combination of Number hosting (Carrier VoIP flavour) and Colt IPVPN Corp plus (MPLS)
- The objective is to integrate existing Colt IPVPN customers into the setup as described in point 1.1.
 - We have to avoid we have to create a second MPLS network in order to provide Voice solutions
- Each of the existing customers has his own VRF and we will inject the VRF of the existing customer into the solution in place
- There is no direct intersite traffic possible, between customer/company 1 and customer/company 2, except if Escaux accepts to make this happen via the HUB (main) site
- All sites connected towards the same VRF can make direct inter site communications (without passing via the main site)



1.2.1 How to integrate existing Colt IPVPN customers into Escaux network

So Interxion main/hub router should have access to all the different IPC's so that it can collect and sends voice traffic of the different IPVPN networks to Escaux vSOPs (be it single site networks or multi site networks)

- Configure Hub and Spoke setup ,where Customer's Main Office will be Hub (Interxion) and all other IPVPN networks act as spoke .
- For example we have three Colt IPVPN networks -> IPCs
 - 1.) IPC 123 (RT : A) – existing Colt IPVPN network of customer 1
 - 2.) IPC 456 (RT : B) – existing Colt IPVPN network of customer 2
 - 3.) IPC 789 (RT : C) – this is Escaux network with already 2 green field customers (customer 5 and customer 6) connected
- Need to configure one new VRF on SAR for Main Office whose RT say C (RT: C) and Import two IPC's RT : RT A (IPC 123) and RT B (IPC 124) in Main router VRF.
- For all IPC's a VRF Import of Escaux network RT C will be needed
- Below diagram showing the Hub and Spoke setup

