

Dynamic Network Manager

Service Activation Guide

February 2024

V6.0



Dynamic Network Manager (DNM) Service Activation Guide

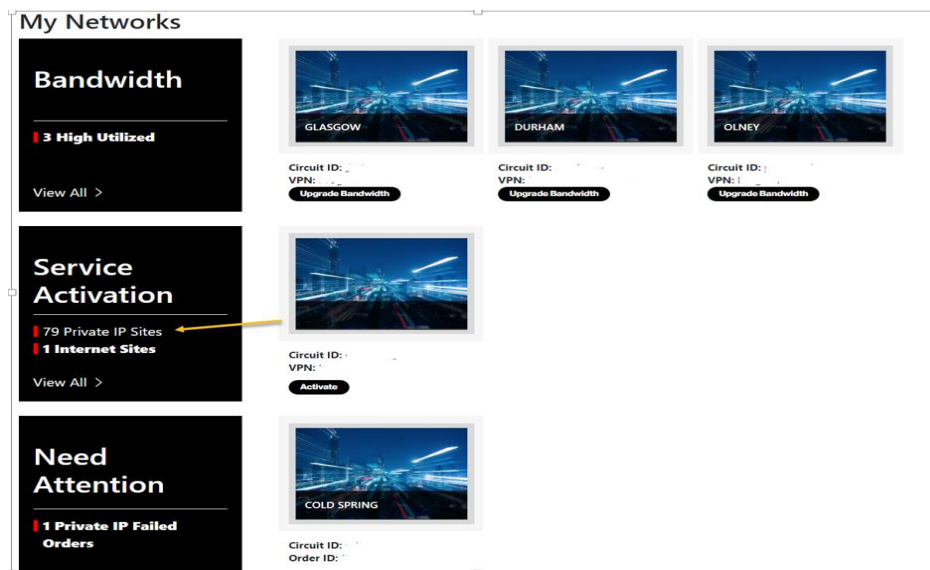
This document will provide you with step-by-step instructions on how to activate your company pending circuits.

Note: Each client user will need at least “Read only” access in DNM to complete an activation. If the client wants to have DPort or DCAR capabilities, the client administrator will need to ensure each user has DPort and DCAR enabled on their account because it is a billable feature. After that is confirmed, the client administrator will need to go into the user's profile and grant each individual with that access or create a group profile that all users within that account can utilize.

Step by Step instructions:

Once your Verizon Enterprise Center (VEC) user profile is set up with DNM access, you will log into the DNM tool via [Verizon Enterprise Center \(VEC\)](#) select “Product tools” then “Dynamic Network Manager”.

DNM Home Page



My Network screen shows three different tiles to help find the type of action you want to take within your account.

- The first box labeled Bandwidth – indicates the customer has 3 circuits that have high utilization and are ready to upgrade.
- The second box labeled Service Activation is the new sites that have recently been completed and are ready for activation. Notice there are two vertical red lines.
 - There are 79 PIP sites
 - 1 IDE site that needs to be activated.
- The third box are orders that have failed an activation attempt and need addition from the client.

Dynamic Network Manager - Service Activation Guide

by clicking on the Network tab, choose your network product from the drop down, PIP, Internet Dedicated, or Ethernet. Once your list of network circuits displays you can see the individual circuit that needs to be activated identified as “Start”, “Ready for Traffic” or “retry activation”.

Circuit ID	Service ID	PVC	VRF Name	VPN Address	Port Speed	Realtime CAR	Encapsulation	Traffic Rule	Network IPv4 Address	Outgoing Level	Multi VRF	Service Type	Description	Entitlements	Actions	Activation Status
W0V30018	CJ347720	CHE-DF	V74129-CHEPFI	848681096.8030 READING.802.010.08R	128 Kbps	128 Kbps	FR	FR	68.02.93.68	Port	YES	Not Managed			Ready for Traffic	
W1A72425	5419273	CHE-INT	V318959-CHEINT	383KATH903.20 DORTMUND.4449.08U	100 Mbps	4.096 Mbps	Ethernet	G1	152.162.193.142	Port	YES	Managed Semi Auto	toS3		Active	
C0108468	146124672	ACME-Fabrication	V795957-ACMEFabrication	180 ALLEN RD ATLANTA, GA 30328-4862 USA	6 Mbps	8 Kbps	ETHERNET	G4	68.139.174.86	PORT	NO	Not Managed	toMinor		Ready for Traffic	

Or you can launch the test directly from the circuit details page. However, if you need to review and confirm information regarding the CE and PE configuration you can find this by clicking on actions and then View Details.

Circuit ID: C0108468
Service ID: 146124672
PVC: 5820282
VRF Name: V795957-ACMEFabrication
VPN Address: 180 ALLEN RD ATLANTA, GA 30328-4862 USA

Port Speed: 6 Mbps
Realtime CAR: 8 Kbps

Encapsulation: ETHERNET
Traffic Rule: G4
Network IPv4 Address: 68.139.174.86
Outgoing Level: PORT
Multi VRF: NO

Service Type: Not Managed
Description: toMinor
Entitlements: [Icons]

Actions: View Details, Modify Bandwidth, Network Settings, View Orders, Router Commands, View Utilization, VRF Details

Activation Status: Ready for Traffic

Network Settings | Orders | Diagnostics | Utilization | Virtual Services | Cloud Services | Other VRF

The Layer 1, 2 and 3 configurations are located in Network Settings. This information will help with the set-up and configuration for the CE device.

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Details	Network Settings	Orders	Diagnostics	Utilization	Virtual Services	Cloud Services	Other VRF
Customer Edge Settings							
IPv6 Address / Prefix				Layer 2 Encapsulation		ETHERNET VLAN : 200	
Server Level		Not Managed					
Layer 1/2 Information							
CONNECTOR TYPE			RJ45		CE WAN Interface / Handoff Type		GigE T
VLAN set to			200				
Services(s) Ordered							
Service Order				Work Order			
Managed Service		Not Managed					
Demarcation Information							
11345910C		Site Type	Address	LD1: ROOM	LD2: FLOOR	LD3: BUILDING	
CUST		5100 S Mcclintock Dr	LV1: NE Corner	LV2: Ground Flo	LV3: Main		
General Interface Configuration							
Router Name		WIT9E01		Encapsulation		ETHERNETVLAN : 200	
Router Type		ASR9K		IPv4 Address / Prefix			
Access Type		ETH10Gig		IPv6 Address / Prefix			
Interface Name		TenGigE0/0/0/2.5073					
Routing Protocol		BGP		Shape Adjustment for Ethernet		85%	
Virtual Route Forwarding (VRF)							
VRF Name				WAN Analysis Reporting		No	
Topology		HUB		MAX Paths		0	
Max Routes		25000		Max Paths Routes Load Sharing		No	

Once you are ready to begin and you have confirmed that the router is connected to the NID and the CE configuration is loaded correctly, then Click on the Start button.



Activate Private IP for C0108468 🔗 ✕

Router
NID
QTR.CHASSIS.23.1
Ciena
CIENA5160
PCR / PE
V3L.8.0.1
Cisco
ASR9010
Verizon Network

Configure Router

- ✓ Network Interface Device
- ✓ Check EVC Status
- ✓ Check EVC Statistics
- ✓ Check Subscriber Status
- ! Verizon Provider's Edge
 - ! Check Interface
 - Check Connectivity
 - Check Routing
- Confirm Activation

NID Activation Status - QTR.CHASSIS.23.1

Check EVC Status

```

#####
Workflow : Check EVC Status - Subflow : LoopStatus started
#####
* CommandName : LoopStatus
* CardType : EthGig
* LoopSlotPort : Not Available
* LoopDirection : Not Available
* LoopStatus : Not Available
* Port : 23
* ServiceAffecting : Not Available
* Slot : CHASSI
#####
Workflow : Check EVC Status - Subflow : LoopStatus success
#####
Workflow : Check EVC Status - Subflow : lompPing started
#####
                    
```

Network Settings

Network Settings ✕

CE Settings -

Address / Prefix

68.139.174.86 / 30

Layer 2 Encapsulation

ETHERNET VLAN : 200

Server Level

Not Managed

Layer 1/2 Information +

PE Settings +

Activation Support
Download
Help & Documentation

Each individual test is shown by the design graph and the activation milestones above. When the test is running this bar will turn blue. If it fails, it will turn red, refer to the help and documentation option for help to resolve the issue. If it turns Green then the activation passes.

The first portion of the test will show the topology path of the circuit.

- NID: Overture or Ciena 3903 (This is the NID device located at the DMARC installed by Verizon).
- L2A: Verizon Layer 2 Switch
- PE: PIP Router

Check EVC Status confirms that the sub-interface the circuit being attempted is up.

Check EVC Statistics is checking for two-way traffic in the L2 Device.

Finally, we move to the Layer 3 portion of the test. Each test runs some validation Layer 3 tests to confirm connectivity.

Check Interface is the PE Interface on the PIP router.

Check Connectivity is a Ping Test from the PE to the CE.

Check Routing confirms BGP or Static Route state, Remote and Local AS Number and the peering IP address.

Activation failure and scheduling help

When the activation fails, you can schedule help with the Verizon's operations team to resolve the issue. This option will allow you to choose a day and time for a conference call to work through the activation failure.

Router | PCR / PE XRV.8.0.1 | Cisco ASR9010 | Verizon Network

Network Settings

Configure Router
Verizon Provider's Edge
Check Interface
Check Connectivity
Check Routing
Confirm Activation

PCR / PE Activation Status - XRV.8.0.1

Check Interface

or Schedule an Activation for Support.

c. Check routing.

1. Customer IP and AS number is correct.
2. Review Peer sites and Validate Peer VRF.
3. If problem arises please Contact Verizon Service Delivery Via the Activation Support button or Schedule an Activation for Support.

Re-Test | **Schedule** | Close

Download | Help & Documentation

Click on Schedule button

Schedule Activation

Contact Information

Contact Name*

Contact Number*

Email Address*

Job Scheduling

Download | Help & Documentation

Schedule Activation

Contact Information

Contact Name*	Contact Number*
<input type="text"/>	<input type="text" value="(123) 123-1234"/>
Email Address*	
<input type="text" value="anna.beard@one.verizon.com"/>	

Job Scheduling

[Download](#) [Help & Documentation](#)

Audio Conference Information

Bridge

<input checked="" type="radio"/> Verizons Bridge	<input type="radio"/> Use My Audio Bridge
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←

[Download](#) [Help & Documentation](#)

Complete all fields in the form, choose the date and time, select Verizon conference bridge or your conference bridge. Click Subscribe.

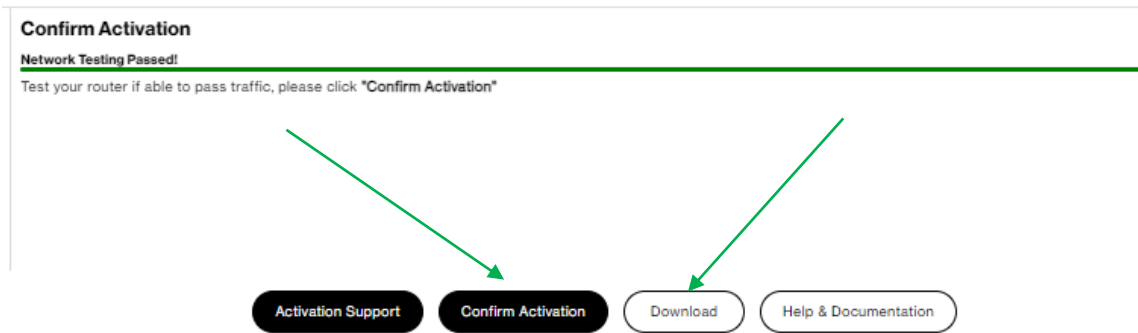
Operations support will join the call on the given date and time.

Confirm activation

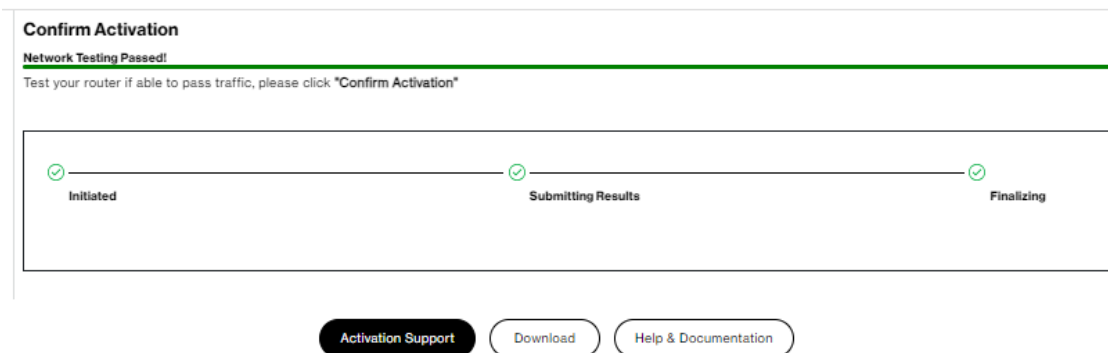
Once the Activation is complete and successful you will have a couple of options to choose from:

Confirm Activation: This confirms the activation and will create a document of record with all the results.

Download button allows the user to download the results of the activation.

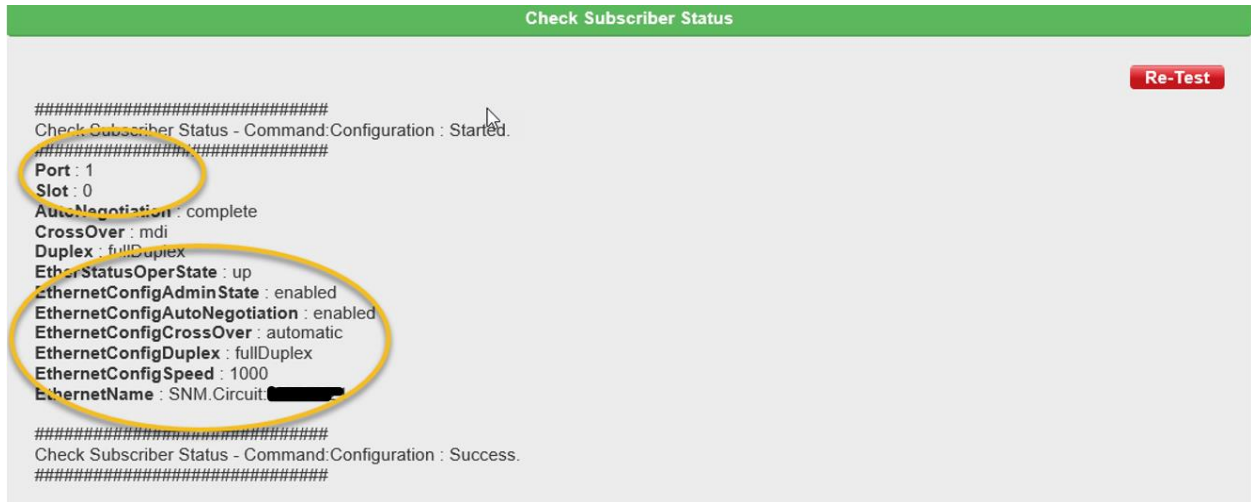


Click Confirm Activation and the circuit will be activated.



Option to change the speed in duplex and auto negotiation during activation

DNM has an interactive feature which allows real time changing of the speed and duplex. Below is the configuration of the port facing the CE. It shows the speed/duplex settings within the Overture or Ciena.



If you look below, this screen allows you to make changes to the Overture/Ciena 3903 via DNM directly.

You can admin down the user port to confirm connectivity or change Negotiation settings, Speed/Duplex and hit update.

Finally, we move to the Layer 3 portion of the test. Each test runs some validation Layer 3 tests to confirm connectivity.

Check Interface is the PE Interface on the PIP router.

Check Connectivity is a Ping Test from the PE to the CE.

Check Routing confirms BGP or Static Route state, Remote and Local AS Number and the peering IP address.

Activation support:

This option allows the user to request a real time Activation Support from a Verizon technician.



If the activation fails and/or is successful but doesn't see some information from the test they can click on Activation Support. The dialog box will show. Please fill out the required information and a Verizon Technician will call you back within 30 mins on a Verizon Bridge or a Bridge provided by the user.

Activation Support ✕

Time slot is available within 30 minutes. Please submit the below details. A Verizon Technician is targeted to reach out to you within 30 minutes from 09:00 CST.

Contact Information

Contact Name*

This field is required

Email Address*

Country code

Phone Number*

Please use a Direct ID number (DID) or US domestic number only, no passcode or other options are allowed

Audio Conference Information

Bridge

<u>Direct Call Back</u>	Verizons Bridge	Use My Audio Bridge
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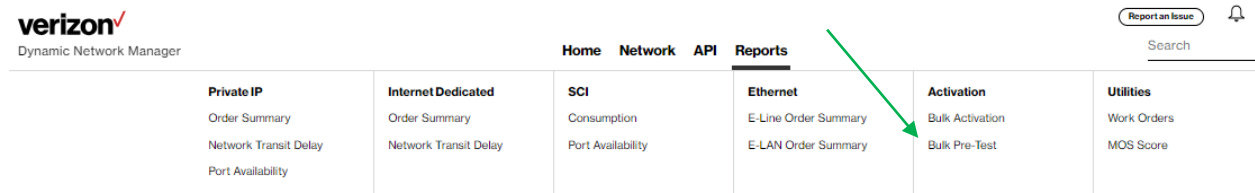
Submit

Close

Bulk activations:

This option allows you to schedule multiple circuit / EVC activations via one submission. If you are wanting to activate circuits for multiple products it all can be completed via one submission

Under the “Reports” tab, select “Bulk Activations”



There are two options to provide the circuits / EVC's to be activated

1) Excel Template load:

Select “Download Template”, enter all the circuits and PVC's within the spreadsheet. Save the file and drag it into the box.



Click “Upload”

2) Direct circuit / PVC enter:

Users can directly enter the circuit ID's and PVC ID into the screen.

Both values are required and must be no spaces with a comma between the two values.

Enter a list of Circuit IDs,pvcID(Optional) per line. Eg:C12345,P12345

C02241111,4244301
C0221119,4244266
C022000,2227970











50/500

Click "Upload"

After the upload of either option the process is the same

Circuits

Selected circuits are listed below. You may modify your circuit list before validating. Note that duplicate circuit IDs have been removed.

Circuit ID	PVC ID	
W0V30609	1806299	 
W1A21762	5348479	 
W0V30618	1807060	 
C0090976	999903	 
W1A11495	5330366	 

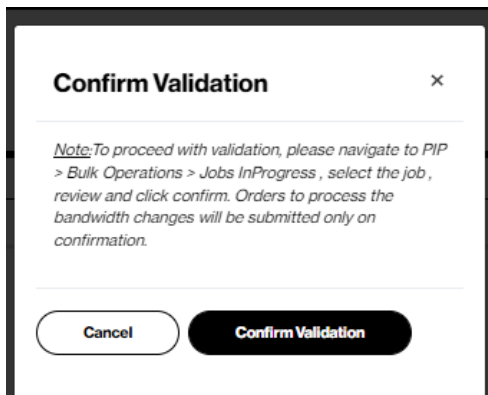
Show: Go to: / 4

Validate

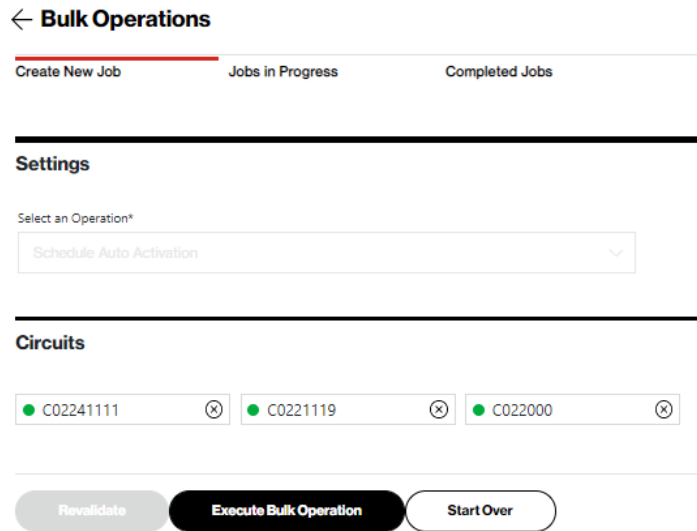
Start Over

List of circuits will be detailed. There is a pencil to correct any errors or "X" to remove the circuit

Click on "Validate"

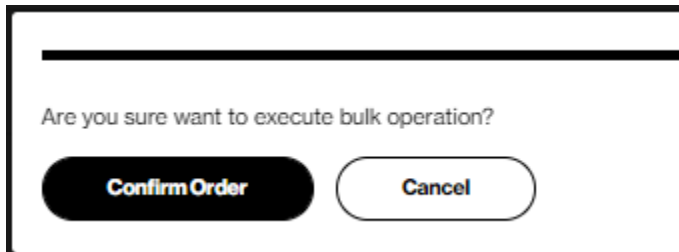


Click on “Confirm Validation”



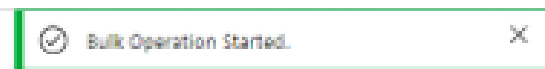
This list of circuits will be displayed for validation.

Click on “Execute Bulk Operation”



Click on “Confirm Order”

Green box will display with “Bulk Operation Started”



Job will be created that will appear under Jobs in Progress

← Bulk Operations

Create New Job **Jobs in Progress** Completed Jobs

No data found

When the Job completes it will appear under Jobs Completed.

← Bulk Operations

Create New Job Jobs in Progress **Completed Jobs**

Refresh All

Job Id	Date Created	Username	Total Orders	Operation	
2531	07/08/2022 07:36:24		39	Bulk Schedule Auto Activation	—

Circuit ID	PVC ID	Status	Error Description
C0111111	2211111	COMPLETED	
C0211111	2311111	COMPLETED	
C0311111	2411111	COMPLETED	
C0411111	2511111	COMPLETED	
C0811111	2811111	COMPLETED	

Users will want to expand the “Completed Job” by clicking on the + sign at the far right, to validate the job was successful for all circuits entered. If one fails, User can click on the Activation Support Button to gain help in resolving the issue.