



Release 1.1 NetVue Provisioning Guide

IMPORTANT NOTE: The information contained in this document supersedes all previously published information regarding this product. This manual is subject to change without prior notice.

Part Number MN-NETVUEPVG or CD-NETVUEPVG

Revision 1

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the planners, network engineers and managers responsible for the provisioning of a network that is managed by the NetVue IMS.

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IMPORTANT or NOTE indicates information critical for proper equipment function, or a statement that is associated with the task being performed.

Contact a CEFD representative about equipment drivers that may be supported by the NetVue IMS.

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Chapter 1. Getting Started

1.1 Introduction

Use the NetVue Provisioning Tool (NPT) and NetVue Provisioning Application (NPA) to configure a single site or multiple sites in a NetVue configuration. This chapter describes the process of provisioning a NetVue configuration for either a small, medium, or large network. Provisioning a network is completed in two steps when using both the NPT and NPA.

Before you can use the NPT, you must understand Microsoft Excel and be able to run a macro-enabled worksheet on a PC.

To provision a network that is managed by the NetVue Integrated Management (IMS), you must first create the components to be managed. In general, the provisioning process consists of these major operations:

- 1. Obtain all the device types, addresses, network IP addresses, port numbers, EDMAC addresses, etc.
- Enter all configuration data into the NetVue Provisioning Tool (NPT) the results of this step produces a configuration Comma Separated Variable (CSV) file that is imported into NetVue.
 Run the NetVue Provisioning Application (NPA) that imports the NetVue Provisioning CSV file, validates the configuration, and creates the network.

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Chapter 2. NetVue Provisioning Tool

The NPT Excel VB-enhanced spreadsheet, which is to be completed manually by either the ESC or customer, lists the collection of CEFD and third-party devices in the target operational network. Upon completion, you export the spreadsheet data into a Comma Separated Variable (CSV) file that is then imported into the NPA running on the NetVue Server.

To start the NPT, do these steps:

- 1. Start Microsoft Excel or double-click the file name of the NPT.
- 2. Upon starting the NPT, you might see a prompt to allow the use of macros select **Enable this content** and select **OK**.



Figure 1 Security Alert

3. Next, the NPT Introduction Sheet comes into view.



Figure 2 NPT Introduction Sheet

- 4. Three buttons permit navigation through the tool. The buttons are different on each page. Press **Start** to begin the configuration sequence.
- 5. See Figure 3 Main Configuration Sheet.
- 6. Enter all the configuration data into the Main Configuration Sheet.
- 7. Set the number of rows to be displayed to equal the number of devices to be entered into NetVue.
- 8. After the number of rows is entered, press **Enter** and then **Update Rows** to increase or decrease the number of configuration rows.



NOTE: Increase or decrease the numbers of rows as necessary, to make sure there is space to enter devices or to prevent extra lines in the CSV file.

- Enter the file name of the final CSV file into the blue field labeled Enter file name to be stored (no ext). Do
 not add an extension to the file name. The .CSV extension is automatically generated. The resulting CSV
 file is saved in the same directory where Excel was launched.
- 10. Enter each line of the network configuration:
 - Status: Enabled/Disabled/Idle:
 "Enabled" will create the device that previously did not existed in the NetVue

"Disabled" will remove the device that previously existed in the NetVue "Idle" will create the device (if not previously existed in the NetVue) or change the polling/monitoring status of the existing device in NetVue from Active to Idle

- **Reference**: name of a Network View where the site appears in the NetVue. It must be an existing view of which the new View or in which the new Circuit (as part of the Network see below) will be created
- **Network**: the network where the equipment in question is to be created/removed or otherwise affected (sometimes this Provisioning Tool may be used to change equipment's configuration in the NetVue)
- Circuit: the name of the circuit the equipment is to be assigned to
- Longitude: where the equipment is assigned this results in the placement on the map view
- Latitude: where the equipment is assigned this results in the placement on the map view
- **Protocol**: this is the driver protocol that is used to communicate with the equipment. This is a dropdown selection list
- Equipment: name of the equipment. Has significant effect on the NetVue Search usability. The more descriptive this field is, the easier it is going to be finding relevant devices in the NetVue. MUST be unique in the NetVue System/Cluster. This field has maximum length of 200 ASCII characters.

NOTE: Do not use these characters:

(\/:*?"<>|°;)

- Equipment Position: the placement of the equipment within the circuit view. If the specified device is not part of Circuit (for example non-CEFD device in the HUB) this field becomes irrelevant. Runs horizontally from 0 to 6 and vertically positions A, B (or no specific letter use for middle line)
 these values dictate where the images fall on the circuit view as shown in Figure 4 Circuit View Positions.
- Local/Remote: the placement of the equipment within the circuit view. Signifies equipment collocated at the Hub vs. equipment located at the remote facility/installation.
- IP Address: the IP address of the actual equipment or IP address of the adapter/gateway/protocol convertor.
- IP Port: 161 for direct SNMP management device or port number mapping for IP to serial gateway
- EDMAC: if the device is a serial device with EDMAC capability, enter the EDMAC address
- Redundancy Device Port: the port of the redundant device (if available). Relevant only for CRSx00 device
- **TX Frequency (MHz)**: The center frequency (IF, L-band) to be programmed into the Spectrum Analyzer in order to appear in the thumbnail Spectral view of the TX signal in the Circuit View
- **RX Frequency (MHz)**: The center frequency (IF or L-band) to be programmed into the Spectrum Analyzer in order to appear in the thumbnail Spectral view of the RX signal in the Circuit View.

- Spectrum Analyzer Input: The input port on the spectrum analyzer. If the spectrum analyzer is single port device (Agilent or Anritsu) no entry is required. If multiport SED Decimator with eight (8) ports then ports 1 to 8
- **Power Distribution Unit Name**: The name or IP address of the PDU that enables or disables power to a device
- Power Distribution Unit Port Number: The assigned port (outlet) number on the PDU
- **Redundancy Group Name**: The name of the redundancy group. IMPORTANT: Each redundancy group for each equipment type should have a unique name
- Redundancy Role: The role of each device in a redundancy group. The valid options are:
 - Primary
 - Backup
 - Standalone
- 11. Enter a **Base Long**. (Longitude) and **Lat**. (Latitude) to sync ALL rows that have **Local** in the Local/Remote column.



CAUTION

Take care with this option, because it overwrites all existing Longitude and Latitude information for **Local** devices.

- 12. After all the user data has been entered into the NPT, click **Build Network** to export all of the network data to a CSV file.
- 13. If desired, navigate through the NPT to see the **Help** and **Contact** information. Click **Help** or **Contact** to see the related pages.

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Figure 3 Main Configuration Sheet



Figure 4 Circuit View Positions

COM	BCH_	Net Vue Provisionin	g Tool (NPT)	
		Help		
		Intro		
	User Controls		-	User Fields
Intro	Takes the user to the Intro page		Row	The row number - this value is automatically generated
Build Network	Builds the configured network and crea	tes CSV file in the specified directory	NetVue State	State of the configured equipment: Enabled, DIsabled or Idle
Help	Takes the user to the Help page (this p	age)	Reference	The reference for the group of rows - this is a user specified field
Contacts	Takes the user to the Contacts page		Network	The network name to be configured - this is a user specified field
Base Lat/Long	Sets the Base Latitude and Longitude o value	n the Hub Side Equipment to the specified	Circuit	The circuit name - this is a user specified field
Display Rows	Displays the number of rows in the "Eni Field - the Provisioning tool supports up	ter the Number of Row to be Displayed" o to 5,000 entries	Longitude	The longitude for the site (Hub or Remote) - this field may be populated by the Base Lat/Long for the "local" Side. West = "-"
			Latitude	The latitude for the site (Hub or Remote) - this field may be populated by the Base Lat/Long for the "local" Side. South = "."
			Protocol	The user chooses from one of the available protocols
			Equipment	The equipment name - this is a user specified field
			Equipment Position	The user enters the equipment position in the circuit $(0, 0A, 0B, 1, 1A, 1B,, 6, 6A, 6B)$ where the number is the position (from right to left) on the circuit view and the number with a letter is the position $A = Top$ and $B = Bottom$
			Local/Remote	The user chooses either local or remote
			IP Address	The user enters the IP Address of the device or IP Address of the IP to Serial Gateway
			IP Port	The user enters the IP Port of the IP to Serial Gateway
			EDMAC	If the device is a serial device, the user enters the EDMAC address
			FSK	FSK is in use
			Redundancy Device Port	If the device supports redundancy, the user enters the redundancy device port number
			TX Frequency	The user enters the TX Frequency in MHz - this value is used for the spectral view only
			RX Frequency	The user enters the RX Frequency in MHz - this value is used for the spectral view only
			Spectrum Analyzer Port	The user enters the port number of the Spectrum Analyzer (Decimators are > 1)
			<u>Power</u> Distribution Unit Name	The name or IP address of the PDU that enables or disables power to a device
			Power Distribution Unit Port Number	The assigned port number on the PDU
			Redundancy Group Name	The name of the redundancy group. Each redundancy group for each equipment type should be unique
			Redundancy Role	The role of each device in a redundancy group. The valid options are as follows: Primary, Backup or Standalone
			NetVue ID	ID of the NetVue server
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Figure 5 NPT Help Sheet

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Figure 6 NPT Contacts

Chapter 3. NetVue Provisioning Application

The NPA is an application on the NetVue Server. Get access to the NPA through the NetVue Cube user interface.

Select the NPA to see this screen:

I = NETVUE PROVISIONING					Search
General •				\$ illus	SURVEYOR START
File Location	c:\skyline dataminer\documents\CEFD NetVue\NetVue_v1.0_COL.csv	Loggin	9	Filter: Filter	* Applications
	CEFD_Test	i, Id	Logging Date Time	Logging Information	NetVue Provisioning
	[oad/Conte	62	2013/02/19 16:20:57.534	NetVue provisioning finished	Matilus Reporting
	COMM/LITENSE	61	2013/02/19 16:20:57.531	Saving data done	There is the stand
Progress		60	2013/02/19 16:20:57.521	Saving data	NetVue TimeSync
		59	2013/02/19 16:20:57.518	Removing disabled views	* Modules
Site Provision Command	Not initialized	58	2013/02/19 16:20:57.514	Removing disabled services	Automation (preview)
	8	57	2013/02/19 16:20:57.510	Removing disabled elements	Correlation
		56	2013/02/19 16:20:57.508	Updating circuits in network Colombia Hub #1 done	
		55	2013/02/19 16:20:57.504	Updating spectrum thumbnails for equipment Spectrum Analyzer	Protocols & Template
		54	2013/02/19 16:20:56.227	Updating spectrum thumbnails for equipment Spectrum Analyzer	Reports & Dashboards
		53	2013/02/19 16:20:50.989	Updating spectrum thumbnalls for equipment Spectrum Analyzer	Scheduler
		52	2013/02/19 16:20:50.173	Create / Update the Fixed defined MeasurementPoints for the Spectrum	Service Template
		51	2013/02/19 16:20:50.169	Updating circuits in network Colombia Hub #1	TT Service residence
		50	2013/02/19 16:20:50.167	Completed updating network process	* General
		49	2013/02/19 16:20:11.176	Starting update network process	? Help
		40	2013/02/19 16:20:11.175	Completed updating equipment process	E Logging
		47	2013/02/19 16:20:11.173	Updating equipment CEFD CDM-600 #2	C Overv executer
		46	2013/02/19 16:20:11.171	Updating equipment CEFD LPOD #2	
		45	2013/02/19 16:20:11.169	Updating equipment CEFD CDM-600 #1	Settings
		44	2013/02/19 16:20:11.166	Updating equipment Moxa Nport #1	About
		43	2013/02/19 16:20:11.164	Updating equipment Spectrum Analyzer	
		4.1			
				Clear	
active This element has unsaved param	eter modifications.			Save All X Cancel All	
ctive alarms a new) x +					ď
ELEMENT NAME (PARAMETER DE., IV	ALUE TIME TROOT TIME SEVER_ SE_ SE	ERVICES	RCA LEVEL JALARM TYPE	L JOWNER	3

Figure 7 NetVue Provisioning Application

To import the NetVue CSV File, select Documents in the drop-down options menu.

powered by dataminer	
€ I ■ NETVUE PROVISIONING	
General 🔻	
General	
Network	SLC_PhaseI_Anritsu_Remove
Circuit	v 📀
Equipment	
Spectrum	Start provisioning
🐨 General parameters	
Annotations	
Reports	Available
Documents ess	
Provisioning Task Progress	

Figure 8 Drop-Down Options Menu

Right-click below the column headers, and select Add. A new window opens.

a General documents	Name	Туре	Date	Comments
CEFD NetVue	Add			
	Figure 9 /	Add CSV		
				x
DOCUMEN	TS_ADD			
Docu	ments			
				Browse
🔿 Нуре	rlink or UNC path			
Email				
			0	Cancel



In the **Documents** row, select **Browse.** On your PC, find the CSV file generated previously. Select **OK** and the file is listed.

🗲 🛛 📔 NETVUE PR	ovisioning				
Documents -					
General documents	Name	Туре	Date	Comments	5
CEFD NetVue	AdvVSAT_Test.csv	CSV	4/11/2013 1:23:04 PM		

Figure 11 Provisioning CSV Imported

To start the provisioning process, select **General** from the drop-down options menu.

	PROVISIO	DNING			
Documents	•				
General	N	Name	Type	Date	Comments
Network Circuit Equipment Spectrum	1	AdvVSAT_Test.csv	CSV	4/11/2013 1:23:04 PM	
General parameters	_				

Figure 12 General Drop-Down Menu

Select the name of the CSV file (from the previous section) and then click Start provisioning.

INETVUE PROVISIONING	
General 👻	
Import File	SLC_PhaseI_Anritsu_Remove
	AdvVSAT_Test 🔹 🥥
	Start provisioning
Provisioning State	Available
Provisioning Total Progress	
Provisioning Task Progress	

Figure 13 Start Provisioning

These status details show on the screen:

- Provisioning Task Progress as a slide indicator
- In the logging ID window:
 - ID (task ID)
 - Logging Data Time
 - Logging Information

If an import problem occurs, look at the logging data to find which parameters and/or provisioning steps may be involved.

After a successful import, go to the Surveyor and review the results: a network that has been built.



NOTE: Depending on the size of the network, the import process may take more than a couple of minutes. It is advisable to split the network data into sections, so that each CSV file does not exceed 200 lines.

Chapter 4. NetVue Provisioning Examples

The following ten (10) examples are shown to aid the user in using the NPT and NPA for setting up a network.

4.1 Example 1

The following example builds a CDM-600 configuration with no RF devices.

COMTECH					NetVue Provisioning Tool (NPT)																		
File name to	be stored (no ext	9	CDA8-603	.23V	ln He	tro elp	Build Ne Conta	cts	Long. Rows to be d	-77.27190	Lat.	39.17310	Bas Up	e Long/L date Rov	at vs								
Row II	NetVue State	Reference	Network	Circuit	Longitude West = "."	Latitude South ="-"	Protocol	Equipment	Equipment Position	Local or Remote	IP Address	IP Port (default 101)	EDMAC (default 0)	PSK	Redundancy Device Port	Tx freq (MHz)	Rx Freq (MHz)	Spectrum Analyzer Input	Power Distribution Unit Name	Power Distribution Unit Port Number	Redundancy Group Name	Redundancy Role	NetVue Agent ID
1	Enabled	Germantown	BP NETWORK	CDM-600 Circuit			CEFD CDM-600 Serial	8P CDM-600 Serial Local	1	Local	10.15.1.80	4001											
2	Enabled	Germantown	BP NETWORK	CDM-600 Circuit			CEFD CDM-600 Serial	BP CDM-600 Serial Remote	1	Remote	10.15.1.80	4002				_	_						
© Comtech	© Contech EF Data, 2013																						

Figure 14 – NPT Configuration

Resulting CSV format:

Final Graphics after processing NPT CSV file through the NPA:

COMTECH COMMON dataminer	1 · · · · ·	BRYAN POTTS 9/25/2013 8-54:45 AM ?
		Sunya: - Harry - Weitgere
٩	transmit receive CDM-600 Circuit	
ACTIVE ALARMS: 110 ALARMS (110 NEW)	Lad 206, diter slate	7 CRITICAL = 21 TIME-OUT 🛕 82 NOTICE

Figure 15 - Final CDM-600 Circuit Diagram without RF Devices

4.2 Example 2

The following example builds a CDM-600 configuration with RF devices.

COMTECH						I	Vet Vue F	NetWue															
File name to be stored (so est)						ntro elp	Build Ne	etwork	Long. 77 27100 Lat. 38 17310					e Long/I date Roi	.at ws		_						
Row #	NetVue State	Reference	Network	Circuit	Longitude West = "-"	Latitude South ="-"	Protocol	Equipment	Equipment Position	Local or Remote	IP Address	IP Port (default 101)	EDMAC (default 0)	PSK	Redundancy Device Port	Tx Freq (MHz)	Rx Freq (MHz)	Spectrum Analyzer Input	Power Distribution Unit Name	Power Distribution Unit Port Number	Redundancy Group Name	Redundancy Role	NetVue Agent ID
1	Enabled	Germantown	BP NETWORK	CDM-600 Circuit			CEFD CDM-600 Serial	BP CDM-600 Serial Local	1	Local	10.15.1.80	4001											
1	Enabled	Germantown	BP NETWORK	CDM-600 Circuit			CEFD CDM-600 Serial	BP CDM-600 Serial Remote	1	Remote	10.15.1.80	4002											
1	Enabled	Germantown	BP NETWORK	CDM-600 Circuit			CEFD LPOD SPOD SNMP	BP LPOD Local	DA	tocal	10.15.1.00												
	Enabled	Germantown	BP NETWORK	CDM-600 Circuit			CEFD LPOD SPOD Serial	BP LPOD Remote	0A	Remote	10.15.1.80	4007											
© Comtect	EF Date, 2013																		Version 1.0H	August, 203	3		

Figure 16 CDM-600 with RF Devices

Resulting CSV format:

Enabled;Germantown;BP NETWORK;CDM-600 Circuit;;;CEFD CDM-600 Serial;BP CDM-600 Serial Local;1;Local;10.15.1.80;4001;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-600 Circuit;;;CEFD CDM-600 Serial;BP CDM-600 Serial Remote;1;Remote;10.15.1.80;4002;;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-600 Circuit;;;CEFD LPOD SPOD SNMP;BP LPOD Local;0A;Local;10.15.1.60;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-600 Circuit;;;CEFD LPOD SPOD Serial;BP LPOD Remote;0A;Remote;10.15.1.80;4007;;;;;;;;;;;

Final Graphics after processing NPT CSV file through the NPA:

١

COMTECH gowing by dataminer		BRYAN POTTS 9/25/2013 9:54:13 AM ?
		R R
4	transmit receive CDM-600 Circuit	
fa yffer Mon		2
ACTIVE ALARMS: 109 ALARMS (109 NEW)		7 CRITICAL = 20 TIME-OUT 🗥 82 NOTICE

Figure 17 - Final CDM-600 Circuit Diagram with RF Devices

4.3 Example 3

The following example builds a CDM-600 configuration with RF devices and non-CEFD device.

COMTECH						I	Net Vue F																
File name to be stored (no ext) COM #800 .cov						ntro elp	Build Ne	etwork	Long. Rows to be d	-77.27190	lat.	39.17310	Bas	e Long/I date Rov	.at ws								
Row #	NetVue State	Reference	Network	Circuit	Longitude West = "."	Latitude South ="-"	Protocol	Equipment	Equipment Position	Local or Remote	IP Address	IP Port (default 181)	EDMAC (default 0)	FSK	Redundancy Device Port	Tx Freq (MHz)	Rx Freq (MHz)	Spectrum Analyzer Input	Power Distribution Unit Name	Power Distribution Unit Port Number	Redundancy Group Name	Redundancy Role	NetVue Agent ID
	1 Enabled	Germantown	BP NETWORK	CDM-600 Circuit			CEFD CDM-600 Serial	8P CDM-600 Serial Local	1	Local	10.15.1.80	4001											
	2 Enabled	Germantown	BP NETWORK	CDM-600 Circuit			CEFD CDM-600 Serial	BP CDM-600 Serial Remote	1	Remote	10.15.1.80	4002											
1	3 Enabled	Germantown	BP NETWORK	CDM-600 Circuit	I		CEFD LPOD SPOD SNMP	BP LPOD Local	0A	Local	10.15.1.00												
	4 Enabled	Germantown	BP NETWORK	CDM-600 Circuit			CEFD LPOD SPOD Serial	BP LPOD Remote	0A	Remote	10.15.1.80	4007											
1	5 Enabled	Germantown	BP NETWORK	CDM-600 Circuit	1		Maxa NPort 3610	BP Moxa Nport 510	2	Local	10.15.1.80												
Comtect	b EE Data, 2013																		Version 1.0k	August, 201	1		

Figure 18 - CDM-600 with RF Devices and non-CEFD Device

Resulting CSV format:

Enabled;Germantown;BP NETWORK;CDM-600 Circuit;;;CEFD CDM-600 Serial;BP CDM-600 Serial Local;1;Local;10.15.1.80;4001;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-600 Circuit;;;CEFD CDM-600 Serial;BP CDM-600 Serial Remote;1;Remote;10.15.1.80;4002;;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-600 Circuit;;;CEFD LPOD SPOD SNMP;BP LPOD Local;0A;Local;10.15.1.60;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-600 Circuit;;;CEFD LPOD SPOD Serial;BP LPOD Remote;0A;Remote;10.15.1.80;4007;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-600 Circuit;;;Moxa NPort 5610;BP Moxa Nport

MN-NETVUEPVG or CD-NETVUEPVG NetVue Provisioning Guide



Final Graphics after processing NPT CSV file through the NPA:



4.4 Example 4

The following example builds a CDM-625 configuration without RF devices.

COMTECH						NetVue Provisioning Tool (NPT)																					
File name to be stored (so ext)						lr H	ntro elp	Build Ne	etwork	Long. Rows to be d	-77.27150	lat.	39.17310 2	Base Long/Lat													
	Row #	NetVue State	Reference	Network	Circuit	Longitude West = "."	Latitude South ="-"	Protocol	Equipment	Equipment Position	Local or Remote	IP Address	IP Port (default 161)	EDMAC (default 0)	FSK	Redundancy Device Port	Tx Freq (MHz)	Rx Freq (MHz)	Spectrum Analyzer Input	Power Distribution Unit Name	Power Distribution Unit Port Number	Redundancy Group Name	Redundancy Role	NetVue Agent ID			
	1	Enabled	Germantown	BP NETWORK	CDM-625 Circuit			CEFD CDM-625 SNMP	BP CDM-625 Local	1	Local	10.15.1.2															
	2	Enabled	Germantown	SP NETWORK	CDM-625 Circuit			CEFD CDM-625 SNMP	BP CDM-625 Remote	1	Remote	10.15.1.2															
-																						-					

Figure 20 - CDM-625 Circuit without RF Devices

Resulting CSV format:

Enabled;Germantown;BP NETWORK;CDM-625 Circuit;;;CEFD CDM-625 SNMP;BP CDM-625 Local;1;Local;10.15.1.2;;;;;;;;;;; Enabled;Germantown;BP NETWORK;CDM-625 Circuit;;;CEFD CDM-625 SNMP;BP CDM-625 Remote;1;Remote;10.15.1.2;;;;;;;;;; Final Graphics after processing NPT CSV file through the NPA:



Figure 21 - Final CDM-625 Circuit without RF Devices

4.5 Example 5

The following example builds a CDM-625 configuration with RF devices.



Figure 22- CDM - 625 Circuit with RF Devices

Resulting CSV format:

Enabled;Germantown;BP NETWORK;CDM-625 Circuit;;;CEFD LPOD SPOD SNMP;BP LPOD Local;0A;Local;10.15.1.60;;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-625 Circuit;;;CEFD LPOD SPOD Serial;BP LPOD Remote;0A;Remote;10.15.1.80;4007;;;;;;;;;;;

Final Graphics after processing NPT CSV file through the NPA:



Figure 23 - Final CDM-625 Circuit with RF Devices

4.6 Example 6

The following example builds a CDM-625 configuration with RF devices and non-CEFD devices.

COMTECH						NetVue Provisioning Tool (NPT)										NetVue											
File name to be stored (no cet) (2004.02), cor					ln He	elp	Build Ne Conta	etwork	Long77.27150/Let. 38.17100 Rows to be displayed:					e Long/I date Rov	.at vs												
Row #	NetVue State	Reference	Network	Circuit	Longitude West = "-"	Latitude South ="-"	Protocol	Equipment	Equipment Position	Local or Remote	IP Address	IP Port (default 161)	EDMAC (default 0)	PSK	Redundancy Device Port	Tx freq (MHz)	Rx Freq (MHz)	Spectrum Analyzer Input	Power Distribution Unit Name	Power Distribution Unit Port Number	Redundancy Group Name	Redundancy Role	NetVue Agent ID				
	1 Enabled	Germantown	BP NETWORK	CDM-625 Circuit			CEFD CDM-625 SNMP	BP CDM-625 Local	1	Local	10.15.1.2																
	2 Enabled Germantown BP NETWORK CDM-625 Circuit						CEFD CDM-625 SNMP	BP CDM-625 Remote	1	Remote	10.15.1.2					_				_							
	1 Enabled	Germantown	BP NETWORK	CDM-625 Circuit			CEFD LPOD SPOD SNMP	EP LPOD Local	CA	tocal	10.15.1.00																
	4 Enabled	Germantown	BP NETWORK	CDM-625 Circuit			CEFD LPOD SPOD Serial	BP LPOD Remote	0A	Remote	10.15.1.80	4007						L									
	Enabled	Germantown	BP NETWORK	CDM-625 Circuit	L		CISCO Manager	BP Cisco Local	2	Local	10.15.1.254	I															
	Germantown BP NETWORK CDM-625 Circuit CDM-625 Circuit CDM-625 Circuit CDM-625 Circuit						BP Cisco Remote	2	Remote	10.15.1.254																	

Figure 24 - CDM-625 with RF Devices and non-CEFD Devices

Resulting CSV format:

Enabled;Germantown;BP NETWORK;CDM-625 Circuit;;;CEFD CDM-625 SNMP;BP CDM-625 Local;1;Local;10.15.1.2;;;;;;;;;; Enabled;Germantown;BP NETWORK;CDM-625 Circuit;;;CEFD CDM-625 SNMP;BP CDM-625 Remote;1;Remote;10.15.1.2;;;;;;;;;; Enabled;Germantown;BP NETWORK;CDM-625 Circuit;;;CEFD LPOD SPOD SNMP;BP LPOD Local;0A;Local;10.15.1.60;;;;;;;;;; Final Graphics after processing NPT CSV file through the NPA:



Figure 25 - Final CDM-625 with RF Devices and non-CEFD Devices

4.7 Example 7

The following example builds a CDM-570 configuration without RF devices.



Figure 26 - CDM-570 without RF Devices

Resulting CSV format:

Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CEFD CDM-570 SNMP;BP CDM-570 Local;1;Local;10.15.1.3;;;;;;;;;;; Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CEFD CDM-570 SNMP;BP CDM-570 Remote;1;Remote;10.15.1.3;;;;;;;;;;;

Final Graphics after processing NPT CSV file through the NPA:



4.8 Example 8

The following example builds a CDM-570 configuration with RF devices.



Figure 28 - CDM-570 with RF Devices

Resulting CSV format:

Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CEFD CDM-570 SNMP;BP CDM-570 Remote;1;Remote;10.15.1.3;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CEFD LPOD SPOD SNMP;BP LPOD Local;0A;Local;10.15.1.60;;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CEFD LPOD SPOD SNMP;BP LPOD Remote;0A;Remote;10.15.1.60;;;;;;;;;;;

<complex-block>

Final Graphics after processing NPT CSV file through the NPA:



4.9 Example 9

The following example builds a CDM-570 configuration with RF devices and non-CEFD device.

C	ON	TEC	.			I	Vet Vue F																
File name to	be stored (no ext		CDM-370	.csv	ln He	itro elp	Build Ne Conta	cts	Long. Rows to be di	-77.27190	Lat.	Base Long/Lat Update Rows				_							
Row #	NetVue State	Reference	Network	Circuit	Longitude West = "."	Latitude South ="."	Protocol	Equipment	Equipment Position	Local or Remote	IP Address	IP Port (default 101)	EDMAC (default 0)	FSK	Redundancy Device Port	Tx Freq (MHz)	Rx Freq (MHz)	Spectrum Analyzer Input	Power Distribution Unit Name	Power Distribution Unit Port Number	Redundancy Group Name	Redundancy Role	NetVue Agent ID
1	Enabled	Germantown	BP NETWORK	CDM-570 Circuit			CEFD CDM-370 SNMP	BP CDM-370 Local	1	Local	10.15.1.3												
2	Enabled	Germantown	BP NETWORK	CDM-570 Circuit			CEFD CDM-370 SNMP	BP CDM-370 Remote	1	Remote	10.15.1.3												
3	Enabled	Germantown	BP NETWORK	CDM-570 Circuit			CEFD LPOD SPOD SNMP	BP LPOD Local	0A	Local	10.15.1.00												
4	Enabled	Germantown	BP NETWORK	CDM-570 Circuit			CEFD LPOD SPOD SNMP	BP LPOD Remote	0A	Remote	10.15.1.60												
5	Enabled	Germantown	BP NETWORK	CDM-570 Circuit			CISCO Manager	BP Cisco Local	2	Local	10.15.1.254		_			_							
0	Enabled	Germantown	BP NETWORK	CDM-570 Circuit			CISCO Manager	8P Cisco Remote	2	Remote	10.15.1.254												
Comtech	EE Date 2012																		Verrigo 1 0H	August 201			



Resulting CSV format:

Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CEFD CDM-570 SNMP;BP CDM-570 Remote;1;Remote;10.15.1.3;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CEFD LPOD SPOD SNMP;BP LPOD Local;0A;Local;10.15.1.60;;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CEFD LPOD SPOD SNMP;BP LPOD Remote;0A;Remote;10.15.1.60;;;;;;;;;;;;

Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CISCO Manager;BP Cisco Local;2;Local;10.15.1.254;;;;;;;;; Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CISCO Manager;BP Cisco Remote;2;Remote;10.15.1.254;;;;;;;;;



Final Graphics after processing NPT CSV file through the NPA:

Figure 31 - Final CDM-570 with RF Devices and non-CEFD Devices

4.10 Example 10

The following example builds a CDM-600 configuration with RF devices and non-CEFD device.



Figure 32 - CDM-570 with RF Devices and non-CEFD Devices

Resulting CSV format:

Enabled;Germantown;BP NETWORK;CDM-570 Circuit;;;CEFD CDM-570 SNMP;BP CDM-570



Final Graphics after processing NPT CSV file through the NPA:

Figure 33 - CDM-570 with RF Devices and non-CEFD Devices



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