Technology Option Support

This section identifies the technology-specific options that Prime Cable Provisioning supports for each technology version and specifies the following attributes for each option:

- Option No.—Identifies the option number, as an integer or in dotted notation.
- Description—Describes the option.
- Encoding—Specifies the data format and the encoding of the option value. For detailed information on the encoding types, see Encoding Types for Defined Options.
- Validation—Specifies a validation rule that restricts the allowable option values.
- Multivalued—Indicates whether multiple options can be specified in a single configuration file. For suboptions, this value specifies whether the option can repeated within the parent option.
- Version—Identifies the technology versions that support the option number and encoding.

This section describes the options for these technologies:

- DOCSIS Option Support, page 1
- DPoE Option Support, page 31
- PacketCable Option Support, page 32
- CableHome Option Support, page 34
- eRouter Option Support, page 35

DOCSIS Option Support

The following table describes DOCSIS options and identifies the specific version support for each option.

DOCSIS Options and Version Support

Option No.	Description	Encoding	Validation	Multivalued	Docsis Version			
					1	1.1	2	3

0	PAD	No length and no value	None	True	✓	✓	✓	✓
1	Downstream Frequency	Unsigned integer 32	Multiples of 62500	False	✓	✓	✓	✓
2	Upstream Channel ID	Unsigned integer 8	None	False	✓	✓	✓	✓
3	Network Access Control	Boolean	None	False	✓	✓	✓	✓
4	Class of Service	Compound	None	True	✓	✓	✓	✓
4.1	Class ID	Unsigned integer 8	From 1 to 16	False	✓	✓	✓	✓
4.2	Maximum Downstream Rate	Unsigned integer 32	None	False	✓	✓	✓	✓
4.3	Maximum Upstream Rate	Unsigned integer 32	None	False	✓	✓	✓	✓
4.4	Upstream Channel Priority	Unsigned integer 8	Less than 8	False	✓	✓	✓	✓
4.5	Guaranteed Minimum Upstream Channel Data Rate	Unsigned integer 32	None	False	✓	✓	✓	✓
4.6	Maximum Upstream Channel Transmit Burst	Unsigned integer 16	None	False	✓	✓	✓	✓
4.7	Class-of-Service Privacy Enable	Boolean	None	False	✓	✓	✓	✓
6	CM MIC Configuration Setting	Byte 16	None	False	✓	✓	✓	✓
7	CMTS MIC Configuration Setting	Bytes	None	False	✓	✓	✓	✓
9	Software Upgrade Filename	NVTASCII	None	False	✓	✓	✓	✓

10	SNMP Write-Access Control	OIDCF	None	True	✓	✓	✓	✓
11	SNMP MIB Object	SNMPVarBind	None	True	✓	✓	✓	✓
14	CPE Ethernet MAC Address	MAC Address	None	True	✓	✓	✓	✓
15	Telephone Settings Option	Compound	None	False	✓	✓	✓	✓
15.2	Service Provider Name	NVTASCII	None	False	✓	✓	✓	✓
15.3	Telephone Number (1)	NVTASCII	None	False	✓	✓	✓	✓
15.4	Telephone Number (2)	NVTASCII	None	False	✓	✓	✓	✓
15.5	Telephone Number (3)	NVTASCII	None	False	✓	✓	✓	✓
15.6	Connection Threshold	Unsigned integer 8	None	False	✓	✓	✓	✓
15.7	Login Username	NVTASCII	None	False	✓	✓	✓	✓
15.8	Login Password	NVTASCII	None	False	✓	✓	✓	✓
15.9	DHCP Authenticate	Boolean	None	False	✓	✓	✓	✓
15.10	DHCP Server	IP Address	None	False	✓	✓	✓	✓
15.11	RADIUS Realm	NVTASCII	None	False	✓	✓	✓	✓
15.12	PPP Authenticate	Unsigned integer 8	None	False	✓	✓	✓	✓
15.13	Demand Dial Inactivity Timer Threshold	Unsigned integer 32	None	False	✓	✓	✓	✓
16	SNMP IPv4 Address (No Longer Used)	IP Address	None	False	✓	✓	✓	✓

17	Baseline Privacy Configuration Setting	Compound	None	False	✓	✓	✓	✓
17.1	Authorize Wait Timeout	Unsigned integer 32	From 1 to 30	False	✓	✓	✓	✓
17.2	Reauthorize Wait Timeout	Unsigned integer 32	From 1 to 30	False	✓	✓	✓	✓
17.3	Authorization Grace Time	Unsigned integer 32	From 1 to 1800	False	✓			
17.3	Authorization Grace Time	Unsigned integer 32	From 1 to 6047999	False		✓	✓	✓
17.4	Operational Wait Timeout	Unsigned integer 32	From 1 to 10	False	✓	✓	✓	✓
17.5	Rekey Wait Timeout	Unsigned integer 32	From 1 to 10	False	✓	✓	✓	✓
17.6	TEK Grace Time	Unsigned integer 32	From 1 to 1800	False	✓			
17.6	TEK Grace Time	Unsigned integer 32	From 1 to 302399	False		✓	✓	✓
17.7	Authorize Reject Wait Timeout	Unsigned integer 32	From 1 to 600	False	✓	✓	✓	✓
17.8	SA Map Wait Timeout	Unsigned integer 32	From 1 to 10	False		✓	✓	✓
17.9	SA Map Max Retries	Unsigned integer 32	From 1 to 10	False		✓	✓	✓
18	Maximum Number of CPE	Unsigned integer 8	None	False	✓	✓	✓	✓
19	TFTP Server Timestamp	Unsigned integer 32	None	False	✓	✓	✓	✓
20	TFTP Server Provisioned Modem Address	IP Address	None	False	✓	✓	✓	✓
21	Software Upgrade TFTP Server	IP Address	None	False	✓	✓	✓	✓

22	Upstream Packet Classification Encoding	Compound	None	True		✓	✓	✓
22.1	Classifier Reference	Unsigned integer 8	From 1 to 255	False		✓	✓	✓
22.2	Classifier Identifier	Unsigned integer 16	From 1 to 65535	False		✓	✓	✓
22.3	Service Flow Reference	Unsigned integer 16	From 1 to 65535	False		✓	✓	✓
22.4	Service Flow Identifier	Unsigned integer 32	Greater than 0	False		✓	✓	✓
22.5	Rule Priority	Unsigned integer 8	None	False		✓	✓	✓
22.6	Classifier Activation State	ActInact	None	False		✓	✓	✓
22.7	Dynamic Service Change Action	Unsigned integer 8	Less than 3	False		✓	✓	✓
22.9	IPv4 Packet Classification Encodings	Compound	None	False		✓	✓	✓
22.9.1	IPv4 Type of Service Range and Mask	Unsigned integer 8 triplet	None	False		✓	✓	✓
22.9.2	IP Protocol	Unsigned integer 16	Less than 258	False		✓	✓	✓
22.9.3	IPv4 Source Address	IP Address	None	False		✓	✓	✓
22.9.4	IPv4 Source Mask	IP Address	None	False		✓	✓	✓
22.9.5	IPv4 Destination Address	IP Address	None	False		✓	✓	✓
22.9.6	IPv4 Destination Mask	IP Address	None	False		✓	✓	✓
22.9.7	TCP/UDP Source Port Start	Unsigned integer 16	None	False		✓	✓	✓

22.9.8	TCP/UDP Source Port End	Unsigned integer 16	None	False		✓	✓	✓
22.9.9	TCP/UDP Destination Port Start	Unsigned integer 16	None	False		✓	✓	✓
22.9.10	TCP/UDP Destination Port End	Unsigned integer 16	None	False		✓	✓	✓
22.10	Ethernet LLC Packet Classification Encodings	Compound	None	False		✓	✓	✓
22.10.1	Destination MAC Address	MAC Address and Mask	None	False		✓	✓	✓
22.10.2	Source MAC Address	MAC Address	None	False		✓	✓	✓
22.10.3	Ethertype/DSAP/ MacType	Unsigned integer 8 and unsigned integer 16	None	False		✓	✓	✓
22.11	IEEE 802.1P/Q Packet Classification Encodings	Compound	None	False		✓	✓	✓
22.11.1	IEEE 802.1P User_Priority	Unsigned integer 8 pair	Less than 8	False		✓	✓	✓
22.11.2	IEEE 802.1Q VLAN_ID	Unsigned integer 16	None	False		✓	✓	✓
22.12	IPv6 Packet Classification Encodings	Compound	None	False				✓
22.12.1	IPv6 Traffic Class Range and Mask	Unsigned integer 8 triplet	None	False				✓
22.12.2	IPv6 Flow Label	Unsigned integer 32	Greater than 0	False				✓
22.12.3	IPv6 Next Header Type	Unsigned integer 16	Less than 258	False				✓
22.12.4	IPv6 Source Address	IPv6 address	None	False				✓

22.12.5	IPv6 Source Prefix Length	Unsigned integer 8	Less than 129	False				✓
22.12.6	IPv6 Destination Address	IPv6 address	None	False				✓
22.12.7	IPv6 Destination Prefix Length	Unsigned integer 8	Less than 129	False				✓
22.13	CM Interface Mask (CMIM)	Bytes	None	False				✓
22.16	ICMPv4/ICMPv6 Packet Classification Encodings	Compound	None	FALSE				✓
22.16.1	ICMPv4/ICMPv6 Type Start	Unsigned integer 8	None	FALSE				✓
22.16.2	ICMPv4/ICMPv6 Type End	Unsigned integer 8	None	FALSE				✓
22.43	Vendor Specific Classifier Parameters	Compound	None	False		✓	✓	✓
22.43.8	Vendor ID	OUI	None	False		✓	✓	✓
22.43.5	L2VPN Encoding	Compound	None	False			✓	✓
22.43.5.1	VPNID Subtype	Bytes	None	False			✓	✓
22.43.5.2	NSI Encapsulation Subtype	Compound	None	False			✓	✓
22.43.5.2.1	Other Format Subtype	No length and no value	None	False			✓	✓
22.43.5.2.2	IEEE 802.1Q Format Subtype	Unsigned integer 16	None	False			✓	✓
22.43.5.2.3	IEEE 802.1ad Format Subtype	Unsigned integer 32	None	False			✓	✓
22.43.5.2.4	MPLS Peer Format Subtype	Inet Address Peer	None	False			✓	✓
22.43.5.2.5	L2TPv3 Peer Format Subtype	Inet Address Peer	None	False			✓	✓

22.43.5.3	Enable eSAFE DHCP Snooping	Bytes	None	False			✓	✓
22.43.5.4	CM Interface Mask	Bytes	None	False			✓	✓
22.43.5.5	Attachment Group ID	Bytes	From 0 to 16	False			✓	✓
22.43.5.6	Source Attachment Individual ID	Bytes	From 0 to 16	False			✓	✓
22.43.5.7	Target Attachment Individual ID	Bytes	From 0 to 16	False			✓	✓
22.43.5.8	Ingress User Priority	Unsigned integer 8	From 0 to 7	False			✓	✓
22.43.5.9	User Priority Range	Unsigned integer 16	None	False			✓	✓
22.43.5.43	Vendor-Specific	Compound	None	False			✓	✓
22.43.5.43.8	Vendor ID	OUI		FALSE			✓	✓
23	Downstream Packet Classification Encoding	Compound	None	True		✓	✓	✓
23.1	Classifier Reference	Unsigned integer 8	From 1 to 255	False		✓	✓	✓
23.2	Classifier Identifier	Unsigned integer 16	From 1 to 65535	False		✓	✓	✓
23.3	Service Flow Reference	Unsigned integer 16	From 1 to 65535	False		✓	✓	✓
23.4	Service Flow Identifier	Unsigned integer 32	Greater than 0	False		✓	✓	✓
23.5	Rule Priority	Unsigned integer 8	None	False		✓	✓	✓
23.6	Classifier Activation State	Boolean	None	False		✓	✓	✓
23.7	Dynamic Service Change Action	Unsigned integer 8	Less than 3	False		✓	✓	✓

23.8	Classifier Error Encodings	Compound	None	False		✓	✓	✓
23.9	IPv4 Packet Classification Encodings	Compound	None	False		✓	✓	✓
23.9.1	IPv4 Type of Service Range and Mask	Unsigned integer 8 triplet	None	False		✓	✓	✓
23.9.2	IP Protocol	Unsigned integer 16	Less than 258	False		✓	✓	✓
23.9.3	IPv4 Source Address	IP Address	None	False		✓	✓	✓
23.9.4	IPv4 Source Mask	IP Address	None	False		✓	✓	✓
23.9.5	IPv4 Destination Address	IP Address	None	False		✓	✓	✓
23.9.6	IPv4 Destination Mask	IP Address	None	False		✓	✓	✓
23.9.7	TCP/UDP Source Port Start	Unsigned integer 16	None	False		✓	✓	✓
23.9.8	TCP/UDP Source Port End	Unsigned integer 16	None	False		✓	✓	✓
23.9.9	TCP/UDP Destination Port Start	Unsigned integer 16	None	False		✓	✓	✓
23.9.10	TCP/UDP Destination Port End	Unsigned integer 16	None	False		✓	✓	✓
23.10	Ethernet LLC Packet Classification Encodings	Compound	None	False			✓	✓
23.10.1	Destination MAC Address	MAC Address and Mask	None	False		✓	✓	✓
23.10.2	Source MAC Address	MAC Address	None	False		✓	✓	✓

23.10.3	Ether DSAP Mac Type	Unsigned integer 8 and unsigned integer 16	None	False		✓	✓	✓
23.11	IEEE 802.1P/Q Packet Classification Encodings	Compound	None	False		✓	✓	✓
23.11.1	IEEE 802.1P User_Priority	Unsigned integer 8 pair	Less than 8	False		✓	✓	✓
23.11.2	IEEE 802.1Q VLAN_ID	Unsigned integer 16	None	False		✓	✓	✓
23.12	IPv6 Packet Classification Encodings	Compound	None	False				✓
23.12.1	IPv6 Traffic Class Range and Mask	Unsigned integer 8 triplet	None	False				✓
23.12.2	IPv6 Flow Label	Unsigned integer 32	Greater than 0	False				✓
23.12.3	IPv6 Next Header Type	Unsigned integer 16	Less than 258	False				✓
23.12.4	IPv6 Source Address	IPv6 address	None	False				✓
23.12.5	IPv6 Source Prefix Length	Unsigned integer 8	Less than 129	False				✓
23.12.6	IPv6 Destination Address	IPv6 address	None	False				✓
23.12.7	IPv6 Destination Prefix Length	Unsigned integer 8	Less than 129	False				✓
23.16	ICMPv4/ICMPv6 Packet Classification Encodings	Compound	None	FALSE				✓
23.16.1	ICMPv4/ICMPv6 Type Start	Unsigned integer 8	None	FALSE				✓
23.16.2	ICMPv4/ICMPv6 Type End	Unsigned integer 8	None	FALSE				✓

23.43	Vendor Specific Classifier Parameters	Compound	None	False		✓	✓	✓
23.43.4	VPN Route Distinguisher	VPNRD	length 8 8	FALSE			✓	✓
23.43.5	L2VPN Encoding	Compound	None	False			✓	✓
23.43.5.1	VPNID Subtype	Bytes	None	False			✓	✓
23.43.5.2	NSI Encapsulation Subtype	Compound	None	False			✓	✓
23.43.5.21	Other Format Subtype	No length and no value	None	False			✓	✓
23.43.5.22	IEEE 802.1Q Format Subtype	Unsigned integer 16	None	False			✓	✓
23.43.5.23	IEEE 802.1ad Format Subtype	Unsigned integer 32	None	False			✓	✓
23.43.5.24	MPLS Peer Format Subtype	Inet Address Peer	None	False			✓	✓
23.43.5.25	L2TPv3 Peer Format Subtype	Inet Address Peer	None	False			✓	✓
23.43.5.3	Enable eSAFE DHCP Snooping	Bytes	None	False			✓	✓
23.43.5.4	CM Interface Mask	Bytes	None	False			✓	✓
23.43.5.5	Attachment Group ID	Bytes	From 0 to 16	False			✓	✓
23.43.5.6	Source Attachment Individual ID	Bytes	From 0 to 16	False			✓	✓
23.43.5.7	Target Attachment Individual ID	Bytes	From 0 to 16	False			✓	✓
23.43.5.8	Ingress User Priority	Unsigned integer 8	From 0 to 7	False			✓	✓
23.43.5.9	User Priority Range	Unsigned integer 16	None	False			✓	✓

23.43.5.43	Vendor-Specific	Compound	None	False			✓	✓
23.43.8	Vendor ID	OUI	None	False		✓	✓	✓
23.43.5.43.8	Vendor ID	OUI	None	FALSE			✓	✓
23.43.5.43.35	Traffic Class for MPLS Disposition Packets (MPLS-TC-RANGE)	Unsigned integer 8 pair	None	FALSE			✓	✓
24	Upstream Service Flow Scheduling	Compound	None	True		✓	✓	✓
24.1	Service Flow Reference	Unsigned integer 16	Greater than 0	False		✓	✓	✓
24.3	Service Identifier	Unsigned integer 16	None	False		✓	✓	✓
24.35	Upstream Buffer Control	Compound	None	FALSE				✓
24.35.1	Minimum Buffer	Unsigned integer 32	None	FALSE				✓
24.35.2	Target Buffer	Unsigned integer 32	None	FALSE				✓
24.35.3	Maximum Buffer	Unsigned integer 32	None	FALSE				✓
24.4	Service Class Name	ZTASCII	None	False		✓	✓	✓
24.6	Quality of Service Parameter Set Type	Bit Flag 8	Less than 8	False		✓	✓	✓
24.7	Traffic Priority	Unsigned integer 8	Less than 8	False		✓	✓	✓
24.8	Upstream Maximum Sustained Traffic Rate	Unsigned integer 32	None	False		✓	✓	✓
24.9	Maximum Traffic Burst	Unsigned integer 32	None	False		✓	✓	✓
24.10	Minimum Reserved Traffic Rate	Unsigned integer 32	None	False		✓	✓	✓

24.11	Assumed Minimum Reserved Rate Packet Size	Unsigned integer 16	None	False		✓	✓	✓
24.12	Timeout for active QoS Parameters	Unsigned integer 16	None	False		✓	✓	✓
24.13	Timeout for Admitted QoS Parameters	Unsigned integer 16	None	False		✓	✓	✓
24.14	Maximum Concatenated Burst	Unsigned integer 16	None	False		✓	✓	✓
24.15	Service Flow Scheduling Type	Service Flow	From 1 to 6	False		✓	✓	✓
24.16	Request/Transmission Policy	Bit Flag 32	Less than 512	False		✓	✓	✓
24.17	Nominal Polling Interval	Unsigned integer 32	None	False		✓	✓	✓
24.18	Tolerated Poll Jitter	Unsigned integer 32	None	False		✓	✓	✓
24.19	Unsolicited Grant Size	Unsigned integer 16	None	False		✓	✓	✓
24.20	Nominal Grant Interval	Unsigned integer 32	None	False		✓	✓	✓
24.21	Tolerated Grant Jitter	Unsigned integer 32	None	False		✓	✓	✓
24.22	Grants per Interval	Unsigned integer 8	Less than 128	False		✓	✓	✓
24.23	IPv4 Type of Service Overwrite	Unsigned integer 8 pair	None	False		✓	✓	✓
24.24	Unsolicited Grant Time Reference	Unsigned integer 32	None	False		✓	✓	✓
24.25	Multiplier to Contention Request Backoff Window	Unsigned integer 8	From 4 to 12	False				✓

24.26	Multiplier to Number of Bytes Requested	Unsigned integer 8	Values 1, 2, 4, 8, or 16	False				✓
24.27	Maximum Requests per SID Cluster	Unsigned integer 8	Less than 256	False				✓
24.28	Maximum Outstanding Bytes per SID Cluster	Unsigned integer 32	Less than 4294967296	False				✓
24.29	Maximum Total Bytes Requested per SID Cluster	Unsigned integer 32	Less than 4294967296	False				✓
24.30	Maximum Time in the SID Cluster	Unsigned integer 16	Less than 65535	False				✓
24.31	Service Flow Required Attribute Mask	Bit Flag 32	None	False				✓
24.32	Service Flow Forbidden Attribute Mask	Bit Flag 32	None	False				✓
24.33	Service Flow Attribute Aggregation Mask	Bit Flag 32	None	False				✓
24.34	Application Identifier	Bit Flag 32	None	False				✓
24.43	Vendor Specific QoS Parameters	Compound	None	False		✓	✓	✓
24.43.4	VPN Route Distinguisher	VPNRD	length 8 8	FALSE			✓	✓
24.43.8	Vendor ID	OUI	None	False		✓	✓	✓
24.43.5	L2VPN Encoding	Compound	None	False			✓	✓
24.43.5.1	VPNID Subtype	Bytes	None	False			✓	✓

24.43.5.2	NSI Encapsulation Subtype	Compound	None	False			✓	✓
24.43.5.2.1	Other Format Subtype	No length and no value	None	False			✓	✓
24.43.5.2.2	IEEE 802.1Q Format Subtype	Unsigned integer 16	None	False			✓	✓
24.43.5.2.3	IEEE 802.1ad Format Subtype	Unsigned integer 32	None	False			✓	✓
24.43.5.2.4	MPLS Peer Format Subtype	Inet Address Peer	None	False			✓	✓
24.43.5.2.5	L2TPv3 Peer Format Subtype	Inet Address Peer	None	False			✓	✓
24.43.5.3	Enable eSAFE DHCP Snooping	Bytes	None	False			✓	✓
24.43.5.4	CM Interface Mask	Bytes	None	False			✓	✓
24.43.5.5	Attachment Group ID	Bytes	From 0 to 16	False			✓	✓
24.43.5.6	Source Attachment Individual ID	Bytes	From 0 to 16	False			✓	✓
24.43.5.7	Target Attachment Individual ID	Bytes	From 0 to 16	False			✓	✓
24.43.5.8	Ingress User Priority	Unsigned integer 8	From 0 to 7	False			✓	✓
24.43.5.9	User Priority Range	Unsigned integer 16	None	False			✓	✓
24.43.5.43	Vendor-Specific	Compound	None	False			✓	✓
24.43.5.43.8	Vendor ID	OUI	None	FALSE			✓	✓
24.43.5.43.34	Traffic Class for MPLS Disposition Packets (MPLS-TC-SET)	Unsigned integer 8 pair	None	FALSE			✓	✓
25	Downstream Service Flow Scheduling	Compound	None	True		✓	✓	✓

25.1	Service Flow Reference	Unsigned integer 16	Greater than 0	False		✓	✓	✓
25.3	Service Identifier	Unsigned integer 16	None	False		✓	✓	✓
25.35	Upstream Buffer Control	Compound	None	FALSE				✓
25.35.1	Minimum Buffer	Unsigned integer 32	None	FALSE				✓
25.35.2	Target Buffer	Unsigned integer 32	None	FALSE				✓
25.35.3	Maximum Buffer	Unsigned integer 32	None	FALSE				✓
25.4	Service Class Name	ZTASCII	None	False		✓	✓	✓
25.6	Quality of Service Parameter Set Type	Bit Flag 8	Less than 8	False		✓	✓	✓
25.7	Traffic Priority	Unsigned integer 8	Less than 8	False		✓	✓	✓
25.8	Downstream Maximum Sustained Traffic Rate	Unsigned integer 32	None	False		✓	✓	✓
25.9	Maximum Traffic Burst	Unsigned integer 32	None	False		✓	✓	✓
25.10	Minimum Reserved Traffic Rate	Unsigned integer 32	None	False		✓	✓	✓
25.11	Assumed Minimum Reserved Rate Packet Size	Unsigned integer 16	None	False		✓	✓	✓
25.12	Timeout for active QoS Parameters	Unsigned integer 16	None	False		✓	✓	✓
25.13	Timeout for Admitted QoS Parameters	Unsigned integer 16	None	False		✓	✓	✓
25.14	Maximum Downstream Latency	Unsigned integer 32	None	False		✓	✓	✓

25.23	IPv4 Type of Service (DSCP) Overwrite	Unsigned integer 8 pair	None	False				✓
25.27	Downstream Peak Traffic Rate	Unsigned integer 32	None	False				✓
25.31	Service Flow Required Attribute Mask	Bit Flag 32	None	False				✓
25.32	Service Flow Forbidden Attribute Mask	Bit Flag 32	None	False				✓
25.33	Service Flow Attribute Aggregation Mask	Bit Flag 32	None	False				✓
25.34	Application Identifier	Bit Flag 32	None	False				✓
25.43	Vendor Specific QoS Parameters	Compound	None	False		✓	✓	✓
25.43.8	Vendor ID	OUI	None	False		✓	✓	✓
26	Payload Header Suppression	Compound	None	True		✓	✓	✓
26.1	Classifier Reference	Unsigned integer 8	Greater than 0	False		✓	✓	✓
26.2	Classifier Identifier	Unsigned integer 16	Greater than 0	False		✓	✓	✓
26.3	Service Flow Reference	Unsigned integer 16	Greater than 0	False		✓	✓	✓
26.4	Service Flow Identifier	Unsigned integer 32	Greater than 0	False		✓	✓	✓
26.5	Dynamic Service Change Action	SrvChangeAct	Less than 4	False		✓	✓	✓
26.7	Payload Header Suppression Field (PHSF)	Bytes	None	False		✓	✓	✓
26.8	Payload Header Suppression Index (PHSI)	Unsigned integer 8	Greater than 0	False		✓	✓	✓

26.9	Payload Header Suppression Mask (PHSM)	Bytes	None	False		✓	✓	✓
26.10	Payload Header Suppression Size (PHSS)	Unsigned integer 8	None	False		✓	✓	✓
26.11	Payload Header Suppression Verification (PHSV)	Verify	None	False		✓	✓	✓
26.13	Dynamic Bonding Change Action	Unsigned integer 8	Less than 2	False				✓
26.43	Vendor Specific PHS Parameters	Compound	None	False		✓	✓	✓
26.43.8	Vendor ID	OUI	None	False		✓	✓	✓
28	Maximum Number of Classifiers	Unsigned integer 16	None	False		✓	✓	✓
29	Privacy Enable	Boolean	None	False		✓	✓	✓
32	Manufacturer CVC	Bytes	None	False		✓	✓	✓
33	Co-signer CVC	Bytes	None	False		✓	✓	✓
34	SnmpV3 Kickstart Value	Compound	None	False		✓	✓	✓
34.1	SnmpV3 Kickstart Security Name	NVTASCII	None	False		✓	✓	✓
34.2	SnmpV3 Kickstart Manager Public Number	Bytes	None	False		✓	✓	✓
35	Subscriber Management Control	Bytes	None	False		✓	✓	✓
36	Subscriber Management CPE IPv4 Table	IP Address N	None	False		✓	✓	✓

37	Subscriber Management Filter Groups	Bytes	None	False		✓	✓	✓
38	SNMPv3 Notification Receiver	Compound	None	True		✓	✓	✓
38.1	SNMPv3 Notification Receiver IPv4 Address	IP address	None	False		✓	✓	✓
38.2	SNMPv3 Notification Receiver UDP Port	Unsigned integer 16	None	False		✓	✓	✓
38.3	SNMPv3 Notification Receiver Trap Type	SNMP Trap Type	From 1 to 5	False		✓	✓	✓
38.4	SNMPv3 Notification Receiver Timeout	Unsigned integer 16	None	False		✓	✓	✓
38.5	SNMPv3 Notification Receiver Retries	Unsigned integer 16	From 0 to 255	False		✓	✓	✓
38.6	Notification Receiver Filtering Parameters	OID	None	False		✓	✓	✓
38.7	Notification Receiver Security Name	NVTASCII	None	False		✓	✓	✓
38.8	SNMPv3 Notification Receiver IPv6 Address	IPv6 address	None	False				✓
39	Enable 2.0 Mode	Boolean	None	False			✓	✓
40	Enable Test Modes	Boolean	None	True			✓	✓
41	Downstream Channel List	Compound	None	True			✓	✓

41.1	Single Downstream Channel	Compound	None	True			✓	✓
41.1.1	Single Downstream Channel Timeout	Unsigned integer 16	None	False			✓	✓
41.1.2	Single Downstream Channel Frequency	Unsigned integer 32	Multiples of 62500	False			✓	✓
41.2	Downstream Frequency Range	Compound	None	True			✓	✓
41.2.1	Downstream Frequency Range Timeout	Unsigned integer 16	None	False			✓	✓
41.2.2	Downstream Frequency Range Start	Unsigned integer 32	Multiples of 62500	False			✓	✓
41.2.3	Downstream Frequency Range End	Unsigned integer 32	Multiples of 62500	False			✓	✓
41.2.4	Downstream Frequency Range Step Size	Unsigned integer 32	None	False			✓	✓
41.3	Default Scanning	Unsigned integer 16	None	True			✓	✓
42	Multicast MAC Address	MAC Address	None	True			✓	✓
43	DOCSIS Extension Field (OUI FF-FF-FF)	Compound	None	True	✓	✓	✓	✓
43.1	CM Load Balancing Policy ID	Unsigned integer 32	None	False			✓	✓
43.2	CM Load Balancing Priority	Unsigned integer 32	None	False			✓	✓

43.3	CM Load Balancing Group ID	Unsigned integer 32	None	False			✓	✓
43.4	CM Ranging Class ID Extension	Unsigned integer 16	None	False			✓	✓
43.5	L2VPN Encoding	Compound	None	False			✓	✓
43.5.1	VPNID Subtype	Bytes	None	False			✓	✓
43.5.2	NSI Encapsulation Subtype	Compound	None	False			✓	✓
43.5.2.1	Other Format Subtype	No length and no value	None	False			✓	✓
43.5.2.2	IEEE 802.1Q Format Subtype	Unsigned integer 16	None	False			✓	✓
43.5.2.3	IEEE 802.1ad Format Subtype	Unsigned integer 32	None	False			✓	✓
43.5.2.4	MPLS Peer Format Subtype	Inet Address Peer	None	False			✓	✓
43.5.2.4.2	MPLS Peer address	InetAddressPeer	None	FALSE			✓	✓
43.5.2.5	L2TPv3 Peer Format Subtype	InetAddress Peer	None	False			✓	✓
43.5.3	Enable eSAFE DHCP Snooping	Bytes	None	False			✓	✓
43.5.4	CM Interface Mask	Bytes	None	False			✓	✓
43.5.5	Attachment Group ID	Bytes	From 0 to 16	False			✓	✓
43.5.6	Source Attachment Individual ID	Bytes	From 0 to 16	False			✓	✓
43.5.7	Target Attachment Individual ID	Bytes	From 0 to 16	False			✓	✓
43.5.8	Ingress User Priority	Unsigned integer 8	From 0 to 7	False			✓	✓

43.5.9	User Priority Range	Unsigned integer 16	None	False			✓	✓
43.5.11	Pseudowire ID	Unsigned integer 32	None	FALSE			✓	✓
43.5.12	Pseudowire Type	Unsigned integer 8	None	FALSE			✓	✓
43.5.43	Vendor-Specific	Compound	None	False			✓	✓
43.5.43.8	Vendor ID	OUI	None	FALSE			✓	✓
43.6	Extended CMTS MIC Configuration Setting	Compound	None	False				✓
43.6.1	Extended CMTS MIC HMAC type	Unsigned integer 8	Values 1, 2, 43	False				✓
43.6.2	Extended CMTS MIC Bitmap	Bytes	None	False				✓
43.6.3	Explicit Extended CMTS MIC Digest Subtype	Bytes	None	False				✓
43.7	Source Address Verification (SAV) Authorization Encoding	Compound	None	False			✓	✓
43.7.1	Name of an SAV Group configured in the CMTS	ZTASCII	From 1 to 15	False			✓	✓
43.7.2	SAV Static Prefix Subtype Encodings	Compound	None	False			✓	✓
43.7.2.1	SAV Static Prefix Address Subtype	IPv4 or IPv6 Address	None	False			✓	✓
43.7.2.2	SAV Static Prefix Length Subtype	Bit Flag 8	Less than 129	False			✓	✓
43.8	Vendor ID	OUI	None	False	✓	✓	✓	✓

43.9	Cable Modem Mask Subtype Encodings	Compound	None	False				✓
43.9.1	Cable Modem Required Attribute Mask	Bit flag 32	None	False				✓
43.9.2	Cable Modem Forbidden Attribute Mask	Bit flag 32	None	False				✓
43.9.3	Cable Modem Upstream Required Attribute Mask	Bit Flag 32	None	FALSE				✓
43.9.4	Cable Modem Upstream Forbidden Attribute Mask	Bit Flag 32	None	FALSE				✓
43.10	IP Multicast Join Authorization Encoding	Suboptions	None	False				✓
43.10.1	Name of an IP Multicast Profile configured in the CMTS	NVTASCII	From 1 to 15	True				✓
43.10.2	IP Multicast Join Authorization Static Session Rule Subtype Encodings	Compound	None	True				✓
43.10.2.1	Rule Priority	Unsigned integer 8	None	False				✓
43.10.2.2	Authorization Action	Authorization action	None	False				✓
43.10.2.3	Source Prefix Address Subtype	IPv4 or IPv6 address	None	False				✓
43.10.2.4	Source Prefix Length Subtype	Bit flag 8	Less than 129	False				✓

43.10.2.5	Group Prefix Address Subtype	IPv4 or IPv6 address	None	False				✓
43.10.2.6	Group Prefix Length Subtype	Bit flag 8	Less than 129	False				✓
43.10.3	Maximum Multicast Sessions Encoding	Unsigned integer 16	None	False				✓
43	DOCSIS Extension Field (OUI 00-00-0C)	Compound	None	True	✓	✓	✓	✓
43.1	Static Downstream Frequency	Unsigned integer 32	None	False	✓	✓	✓	✓
43.2	Sync Loss Timeout	Unsigned integer 32	None	False	✓	✓	✓	✓
43.3	Update Boot Monitor Image	NVTASCII	None	False	✓	✓	✓	✓
43.4	Power Backoff	Unsigned integer 16	None	False	✓	✓	✓	✓
43.8	Vendor ID	OUI	None	False	✓	✓	✓	✓
43.9	Update Factory System Image	Boolean	None	False	✓	✓	✓	✓
43.10	Phone Lines	Unsigned integer 8	None	False	✓	✓	✓	✓
43.11	IP Precedence Settings	Compound	None	True	✓	✓	✓	✓
43.11.1	IP Precedence Value	Unsigned integer 8	None	False	✓	✓	✓	✓
43.11.2	Rate Limit	Unsigned integer 32	None	False	✓	✓	✓	✓
43.13	Dynamic Flow VPN Route Distinguisher	VPNRD	length 8 8	FALSE			✓	✓
43.14	Wideband Primary Downstream Channel ID	Unsigned integer 16	greater than 0	FALSE			✓	✓

43.15	Wideband Enable	EnableDisable		FALSE			✓	✓
43.16	Wideband Non-Primary Downstream Channel ID	Unsigned integer 16	greater than 0	FALSE			✓	✓
43.128	IOS Configuration Filename	NVTASCII	None	False	✓	✓	✓	✓
43.129	IOS Config File Without Console Disable	NVTASCII	None	False	✓	✓	✓	✓
43.131	IOS CLI Command	NVTASCII	None	True	✓	✓	✓	✓
43.132	1.0 Plus Flow Encodings	Compound	None	False	✓	✓	✓	✓
43.132.1	1.0 Plus Flow ID	Unsigned integer 8	None	False	✓	✓	✓	✓
43.132.2	Class ID	Unsigned integer 8	None	False	✓	✓	✓	✓
43.132.3	Unsolicited Grant Size	Unsigned integer 16	From 1 to 65535	False	✓	✓	✓	✓
43.132.4	Nominal Grant Interval	Unsigned integer 32	From 1 to 65535	False	✓	✓	✓	✓
43.132.5	Grants Per Interval	Unsigned integer 8	From 0 to 127	False	✓	✓	✓	✓
43.132.6	Embedded Voice Calls	Unsigned integer 8	From 0 to 127	False	✓	✓	✓	✓
43.132.7	Hold Queue Length	Unsigned integer 16	From 0 to 4096	False	✓	✓	✓	✓
43.132.8	Fair Queue	Compound	None	False	✓	✓	✓	✓
43.132.8.1	Congestive Discard Threshold	Unsigned integer 16	From 1 to 4096	False	✓	✓	✓	✓
43.132.8.2	Number of Dynamic Conversation Queues	Unsigned integer 16	From 16 to 4096	False	✓	✓	✓	✓

43.132.8.3	Number of Reservable Conversation Queues	Unsigned integer 16	From 0 to 1000	False	✓	✓	✓	✓
43.132.9	Custom Queue List Length	Unsigned integer 8	From 1 to 16	False	✓	✓	✓	✓
43.132.10	Random Detection	Boolean	None	False	✓	✓	✓	✓
43.132.11	Priority Group	Unsigned integer 8	From 1 to 16	False	✓	✓	✓	✓
43.132.12	Service Policy File	NVTASCII	None	False	✓	✓	✓	✓
43.132.13	Inactivity Timer	Unsigned integer 16	From 1 to 10080	False	✓	✓	✓	✓
43.132.14	COS Tag	NVTASCII	None	False	✓	✓	✓	✓
43.133	Downstream Sub Channel ID	Unsigned integer 8	From 0 to 15	False	✓	✓	✓	✓
43.134	SU Tag	NVTASCII	None	False	✓	✓	✓	✓
45	Downstream Unencrypted Traffic (DUT) Filtering Encoding	Compound	None	False			✓	✓
45.1	Downstream Unencrypted Traffic (DUT) Control	Boolean	None	False			✓	✓
45.2	Downstream Unencrypted Traffic (DUT) CMIM	Bytes	None	False			✓	✓
53	SNMPv1v2c Coexistence Configuration	Compound	None	True				✓
53.1	SNMPv1v2c Community Name	ZTASCII	From 1 to 32	False				✓
53.2	SNMPv1v2c Transport Address Access	Compound	None	True				✓

53.2.1	SNMPv1v2c Transport Address	Transport address and mask	None	False				✓
53.2.2	SNMPv1v2c Transport Address Mask	Transport address and mask	None	False				✓
53.3	SNMPv1v2c Access View Type	Access view type	None	False				✓
53.4	SNMPv1v2c Access View Name	ZTASCII	From 1 to 32	False				✓
54	SNMPv3 Access View	Compound	None	True				✓
54.1	SNMPv3 Access View Name	ZTASCII	From 1 to 32	False				✓
54.2	SNMPv3 Access View Subtree	OID	None	False				✓
54.3	SNMPv3 Access View Mask	Bytes	From 1 to 16	False				✓
54.4	SNMPv3 Access View Type	Access view control	None	False				✓
55	SNMP CPE Access Control	CPE access control	None	False				✓
56	Channel Assignment Configuration Settings	Compound	None	True				✓
56.1	Transmit Channel Assignment Configuration Setting	Unsigned integer 8	None	False				✓
56.2	Receive Channel Assignment Configuration Setting	Unsigned integer 32	None	False				✓

58	Software Upgrade IPv6 TFTP Server	IPv6 address	None	False				✓
59	TFTP Provisioned Modem IPv6 Address	IPv6 address	None	False				✓
60	Upstream Drop Packet Classification Encoding	Compound	None	True				✓
60.1	Classifier Reference	Unsigned integer 8	From 1 to 255	False				✓
60.2	Classifier Identifier	Unsigned integer 16	From 1 to 65535	False				✓
60.5	Rule Priority	Unsigned integer 8	None	False				✓
60.6	Classifier Activation State	ActInact	None	False				✓
60.7	Dynamic Service Change Action	Unsigned integer 8	Less than 3	False				✓
60.9	IPv4 Packet Classification Encodings	Compound	None	False				✓
60.9.1	IPv4 Type of Service Range and Mask	Unsigned integer 8 triplet	None	False				✓
60.9.2	IP Protocol	Unsigned integer 16	Less than 258	False				✓
60.9.3	IPv4 Source Address	IP address	None	False				✓
60.9.4	IPv4 Source Mask	IP address	None	False				✓
60.9.5	IPv4 Destination Address	IP address	None	False				✓
60.9.6	IPv4 Destination Mask	IP address	None	False				✓

60.9.7	TCP/UDP Source Port Start	Unsigned integer 16	None	False				✓
60.9.8	TCP/UDP Source Port End	Unsigned integer 16	None	False				✓
60.9.9	TCP/UDP Destination Port Start	Unsigned integer 16	None	False				✓
60.9.10	TCP/UDP Destination Port End	Unsigned integer 16	None	False				✓
60.10	Ethernet LLC Packet Classification Encodings	Compound	None	False				✓
60.10.1	Destination MAC Address	MAC address and mask	None	False				✓
60.10.2	Source MAC Address	MAC address	None	False				✓
60.10.3	Ethertype/DSAP/MacType	Unsigned integer 8 and 16	None	False				✓
60.11	IEEE 802.1P/Q Packet Classification Encodings	Compound	None	False				✓
60.11.1	IEEE 802.1P User_Priority	Unsigned integer 8 pair	Less than 8	False				✓
60.11.2	IEEE 802.1Q VLAN_ID	Unsigned integer 16	None	False				✓
60.12	IPv6 Packet Classification Encodings	Compound	None	False				✓
60.12.1	IPv6 Traffic Class Range and Mask	Unsigned integer 8 triplet	None	False				✓
60.12.2	IPv6 Flow Label	Unsigned integer 32	Greater than 0	False				✓
60.12.3	IPv6 Next Header Type	Unsigned integer 16	Less than 258	False				✓

60.12.4	IPv6 Source Address	IPv6 address	None	False				✓
60.12.5	IPv6 Source Prefix Length	Unsigned integer 8	Less than 129	False				✓
60.12.6	IPv6 Destination Address	IPv6 address	None	False				✓
60.12.7	IPv6 Destination Prefix Length	Unsigned integer 8	Less than 129	False				✓
60.13	CM Interface Mask (CMIM)	Bytes	None	False				✓
60.16	ICMPv4/ICMPv6 Packet Classification Encodings	Compound	None	FALSE				✓
60.16.1	ICMPv4/ICMPv6 Type Start	Unsigned integer 8	None	FALSE				✓
60.16.2	ICMPv4/ICMPv6 Type End	Unsigned integer 8	None	FALSE				✓
60.43	Vendor Specific Classifier Parameters	Compound	None	False				✓
60.43.8	Vendor ID	OUI	None	False				✓
61	Subscriber Management CPE IPv6 Table	IPv6 Address N	None	False				✓
62	Upstream Drop Classifier Group ID	Bytes	None	False				✓
63	Subscriber Management Control Max CPE IPv6 Prefix	Unsigned integer 16	None	False				✓
64	CMTS Static Multicast Session Encoding	Compound	None	True				✓

64.1	Static Multicast Group Encoding	IPv4 or IPv6 address	None	False				✓
64.2	Static Multicast Source Encoding	IPv4 or IPv6 address	None	False				✓
64.3	Static Multicast CMIM Encoding	Bytes	None	False				✓
65	L2VPN MAC Aging Control	Compound	None	FALSE			✓	✓
65.1	L2VPN MAC Aging Mode	EnableDisable	None	FALSE			✓	✓
66	Management Event Control Encoding	Unsigned interger 32	None	TRUE				✓
67	Subscriber Management CPE IPv6 List	Ipv6 Address N	None	TRUE				✓
68	Default Upstream Target Buffer Configuration	Unsigned integer 16	None	FALSE				✓
69	MAC Address Learning Control Encoding	Compound	None	FALSE				✓
69.1	MAC Address Learning Control	EnableDisable	None	FALSE				✓
69.2	MAC Address Learning Holdoff Timer	Unsigned integer 8	from 0 to 10	FALSE				✓
255	End-of-Data Marker	No length and no value	None	False	✓	✓	✓	✓

DPoE Option Support

The following table identifies the DPoE options that Prime Cable Provisioning supports.

Table 1: DPoE Options

Option No.	Description	Encoding	Validation	Multi-valued
22.14	: IEEE 802.1ad S-VLAN and C-VLAN Frame Classification Encodings	SubOptions		false
22.14.1	IEEE 802.1ad S-VLAN TPID	Bytes	@length 2 2	false
22.14.2	IEEE 802.1ad S-VLAN VID	Bytes	@length 2 2	false
22.14.5	IEEE 802.1ad C-VLAN TPID	Bytes	@length 2 2	False
22.14.6	IEEE 802.1ad C-VLAN VID	Bytes	@length 2 2	False
22.15	IEEE 802.1ah I-TAG Packet Classification Encodings			False
22.15.1	IEEE 802.1ah I-TAG I-TPID	Bytes	@length 2 2	False
22.15.2	IEEE 802.1ah I-TAG I-SID	Bytes	@length 3 3	false
23.14	IEEE 802.1ad S-VLAN and C-VLAN Frame Classification Encodings	Compound	None	false
23.14.1	IEEE 802.1ad S-VLAN TPID	Bytes	@length 2 2	false
23.14.2	IEEE 802.1ad S-VLAN VID	Bytes	@length 2 2	false
23.14.5	IEEE 802.1ad C-VLAN TPID	Bytes	@length 2 2	false
23.14.6	IEEE 802.1ad C-VLAN VID	Bytes	@length 2 2	false
23.15	IEEE 802.1ah I-TAG Packet Classification Encodings	Compound	None	false
23.15.1	IEEE 802.1ah I-TAG I-TPID	Bytes	@length 2 2	false
23.15.2	IEEE 802.1ah I-TAG I-SID	Bytes	@length 2 2	false

PacketCable Option Support

The following table identifies the PacketCable MTA options that Prime Cable Provisioning supports.

Table 2: PacketCable MTA Options

Option No.	Description	Encoding	Validation	Multi- valued	PacketCable Version			
					1.0	1.1	1.5	2.0
11	SNMP MIB Object	SNMPVarBind with 1-byte length	None	True	✓	✓	✓	✓
38	SNMPv3 Notification Receiver	Suboptions	None	True	✓	✓	✓	✓
38.1	SNMPv3 Notification Receiver IP Address	IP address	None	False	✓	✓	✓	✓
38.2	SNMPv3 Notification Receiver UDP Port Number	Unsigned integer 16	None	False	✓	✓	✓	✓
38.3	SNMPv3 Notification Receiver Trap Type	SNMP trap type	From 1 to 5	False	✓	✓	✓	✓
38.4	SNMPv3 Notification Receiver Timeout	Unsigned integer 16	None	False	✓	✓	✓	✓
38.5	SNMPv3 Notification Receiver Retries	Unsigned integer 16	From 0 to 255	False	✓	✓	✓	✓
38.6	Notification Receiver Filtering Parameters	OID	None	False	✓	✓	✓	✓
38.7	Notification Receiver Security Name	NVTASCII	None	False	✓	✓	✓	✓

Option No.	Description	Encoding	Validation	Multi- valued	PacketCable Version			
					1.0	1.1	1.5	2.0
43	Vendor-Specific Information	Suboptions	None	True	✓	✓	✓	✓
43.8	Vendor ID	OUI	None	False	✓	✓	✓	✓
64	SNMP MIB Object	SNMPVarBind with 2-byte length	None	True	✓	✓	✓	✓
254	Telephony Config File Start/End	Unsigned integer 8	Must be 1 or 255	False	✓	✓	✓	✓

CableHome Option Support

The following table identifies the non-secure CableHome options that Prime Cable Provisioning supports.

Table 3: CableHome Options and Version Support

Option No.	Description	Encoding	Validation	Multi-valued	CableHome Version 1.0
0	PAD	No length and no value	None	True	✓
9	Software Upgrade Filename	NVTASCII	None	False	✓
10	SNMP Write-Access Control	OIDCF	None	True	✓
12	Modem IP Address	IP address	None	False	✓
14	CPE Ethernet MAC Address	MAC address	None	True	✓
21	Software Upgrade TFTP Server	IP address	None	False	✓
28	SNMP MIB Object	SNMPVarBind	None	True	✓
32	Manufacturer CVC	Bytes	None	False	✓
33	Co-signer CVC	Bytes	None	True	✓
34	SnmpV3 Kickstart Value	Suboptions	None	False	✓
34.1	SnmpV3 Kickstart Security Name	NVTASCII	None	False	✓

Option No.	Description	Encoding	Validation	Multi-valued	CableHome Version 1.0
38	SNMPv3 Notification Receiver	Suboptions	None	True	✓
38.1	SNMPv3 Notification Receiver IP Address	IP address	None	False	✓
38.2	SNMPv3 Notification Receiver UDP Port Number	Unsigned integer 16	None	False	✓
38.3	SNMPv3 Notification Receiver Trap Type	SNMP trap type	From 1 to 5	False	✓
38.4	SNMPv3 Notification Receiver Timeout	Unsigned integer 16	None	False	✓
38.5	SNMPv3 Notification Receiver Retries	Unsigned integer 16	None	False	✓
38.6	Notification Receiver Filtering Parameters	OID	None	False	✓
38.7	Notification Receiver Security Name	NVTASCII	None	False	✓
43	Vendor-Specific Information	Suboptions	None	True	✓
43.1	Vendor ID	OUI	None	False	✓
53	PS MIC. A 20-octet SHA-1 hash of PS config file	Bytes	None	False	✓
255	End-of-Data Marker	No length and no value	None	False	✓

eRouter Option Support

Option No.	Description	Encoding	Validation	Multi-valued	eRouter version 1.0
1	eRouter Initialization Mode Encoding64	eRouter Init Mode	None	False	✓
2	TR-069 Management Server	Compound		True	✓

2.1	Enable CWMP	Boolean	0: false 1: true	False	✓
2.2	URL	NVTASCII	None	False	✓
2.3	Username	NVTASCII	None	False	✓
2.4	Password	NVTASCII	None	False	✓
2.5	ConnectionRequestUsername	NVTASCII	None	False	✓
2.6	ConnectionRequestPassword	NVTASCII	None	False	✓
2.7	ACS Override66	EnableDisable	0: Disabled 1: Enabled	False	✓
3	eRouter Initialization Mode Override	eRouter Init Mode Override	None	False	✓
10	Router Advertisement (RA) Transmission Interval	UInt16	3 to 1800	False	✓
11	SNMP MIB Object	SNMPVarBind	None	False	✓
42	Topology Mode Encoding	TopologyMode	None	False	✓
43	Vendor Specific Information	Compound	None	False	✓
43.8	Vendor ID Encoding	OUI	None	False	✓
53	SNMPv1v2c Coexistence Configuration	Compound	None	True	✓
53.1	SNMPv1v2c Community Name	NVTASCII	1 to 32	False	✓
53.2	SNMPv1v2c Transport Address Access	Compound	None	True	✓
53.2.1	SNMPv1v2c Transport Address	Transport Addr And Mask	None	False	✓
53.2.2	SNMPv1v2c Transport Address Mask	Transport Addr And Mask	None	False	✓
53.3	SNMPv1v2c Access View Type	Access View Type	None	False	✓

53.4	SNMPv1v2c Access View Name	NVTASCII	1 to 32	False	✓
54	SNMPv3 Access View Configuration	Compound	None	True	✓
54.1	SNMPv3 Access View Name	NVTASCII	1 to 32	False	✓
54.2	SNMPv3 Access View Subtree	OID	None	False	✓
54.3	SNMPv3 Access View Mask	Bytes	0 to 16	False	✓
54.4	SNMPv3 Access View Type	Access View Control	None	False	✓