

Comware V7 MQC NETCONF XML API Data Reference

Revision Record

Date	Revision Version	Change Description	Author
2014-02-14	V1.00	Initial	dongjun04220
2014-07-07	V1.00	Added following tables: AssuredForwarding, ExpeditedForwarding, WFQ, CAR, ReservedBandwidth, IfPolicyCar, IfPolicyAF, IfPolicyEF, IfPolicyWFQ	Xulixin06346

Contents

Revision Record	ii
MQC	1
MQC/GlobalRunInfo	1
XML structure	1
Table description	1
Columns	1
MQC/AppRunInfo	1
XML structure	1
Table description	2
Columns	2
MQC/CBRunInfo	3
XML structure	3
Table description	3
Columns	4
MQC/AccountRunInfo	4
XML structure	5
Table description	5
Columns	5
MQC/CARRunInfo	6
XML structure	6
Table description	7
Columns	7
MQC/Classifiers	8
XML structure	8
Table description	9
Columns	9
MQC/Behaviors	10
XML structure	10
Table description	10
Columns	10
MQC/Policies	11
XML structure	11
Table description	12
Columns	12
MQC/CBMaps	12
XML structure	12
Table description	13
Columns	13
MQC/Rules	14
XML structure	14
Table description	15
Columns	15
MQC/Remark	19
XML structure	19
Table description	19
Columns	19
MQC/Redirect	21
XML structure	21

Table description	22
Columns	22
MQC/Mirror	22
XML structure	22
Table description	23
Columns	23
MQC/Filter	24
XML structure	24
Table description	25
Columns	25
MQC/AssuredForwarding	25
XML structure	25
Table description	25
Columns	26
MQC/ExpeditedForwarding	26
XML structure	26
Table description	27
Columns	27
MQC/WFQ	28
XML structure	28
Table description	28
Columns	28
MQC/CAR	28
XML structure	28
Table description	29
Columns	29
MQC/ReservedBandwidth	33
XML structure	33
Table description	33
Columns	33
MQC/GlobalPolicy	33
XML structure	33
Table description	34
Columns	34
MQC/VlanPolicy	34
XML structure	34
Table description	35
Columns	35
MQC/InterfacePolicy	35
XML structure	36
Table description	36
Columns	36
MQC/IfPolicyCBMap	37
XML structure	37
Table description	37
Columns	37
MQC/GlobalPolicyCBMap	38
XML structure	38
Table description	39
Columns	39
MQC/VLANPolicyCBMap	40
XML structure	40
Table description	41
Columns	41

MQC/IfPolicyCar	42
XML structure	42
Table description	43
Columns	43
MQC/IfPolicyAF	48
XML structure	48
Table description	49
Columns	49
MQC/IfPolicyEF	50
XML structure	50
Table description	50
Columns	50
MQC/IfPolicyWFQ	51
XML structure	51
Table description	52
Columns	52
MQC/IfPolicyEnhance	52
XML structure	52
Table description	53
Columns	53
MQC/IfPolicyEnhanceCBMap	53
XML structure	54
Table description	54
Columns	54
MQC/GlobalPolicyEnhance	55
XML structure	55
Table description	55
Columns	56
MQC/GlobalPolicyEnhanceCBMap	56
XML structure	56
Table description	57
Columns	57
MQC/Account	58
XML structure	58
Table description	58
Columns	58
MQC/IfPolicyAccount	58
XML structure	59
Table description	59
Columns	59
MQC/VLANPolicyCar	59
XML structure	60
Table description	60
Columns	61
MQC/VLANPolicyAccount	65
XML structure	66
Table description	66
Columns	66
MQC/GlobalPolicyCar	67
XML structure	67
Table description	67
Columns	68
MQC/GlobalPolicyAccount	72
XML structure	73

Table description 73

Columns 73

MQC

MQC/GlobalRunInfo

This table contains global operation status information.

XML structure

```
<MQC>
  <GlobalRunInfo>
    <ProcessingStatus></ProcessingStatus>
  </GlobalRunInfo>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	GlobalRunInfo
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ProcessingStatus	Global operation status	N/A	Enumeration: 1—Idle. 2—Busy.

MQC/AppRunInfo

This table contains policy application information.

XML structure

```
<MQC>
  <AppRunInfo>
    <AppRunInfoEntry>
      <AppType></AppType>
    </AppRunInfoEntry>
  </AppRunInfo>
</MQC>
```

```

    <AppMainIndex></AppMainIndex>
    <AppSubIndex></AppSubIndex>
    <AppDirection></AppDirection>
    <AppPolicyName></AppPolicyName>
    <ApplyStatus></ApplyStatus>
  </AppRunInfoEntry>
</AppRunInfo>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	AppRunInfo
Table type	Multi-instance table
Row name	AppRunInfoEntry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppType	Application type	Index	Enumeration: 1—Interface. 2—VLAN. 3—Global. 4—COPP.	N/A
AppMainIndex	Primary index of the application	Index	Unsigned integer.	The value depends on the AppType column: - Interface index if AppType is 1. - VLAN ID in the range of 1 to 4094 if AppType is 2. 0 if AppType is 3. - Member ID (0 for a standalone device) if AppType is 4.
AppSubIndex	Secondary index of the application	Index	Unsigned integer.	The value depends on the AppType column: - Slot number of the card if AppType is 4. 0 is AppType is not 4.
AppDirection	Application direction	Index	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			1—Inbound. 2—Outbound.	
AppPolicyName	Policy name	N/A	String. Length: 0 to 31 characters.	N/A
ApplyStatus	Application status	N/A	Enumeration: 1—Succeeded. 2—Succeeded partly.	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 2 .

MQC/CBRunInfo

This table contains class-behavior association operation information.

XML structure

```

<MQC>
  <CBRunInfo>
    <CBRunInfoEntry>
      <AppType></AppType>
      <AppMainIndex></AppMainIndex>
      <AppSubIndex></AppSubIndex>
      <AppDirection></AppDirection>
      <CBMapIndex></CBMapIndex>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <CBApplyStatus></CBApplyStatus>
    </CBRunInfoEntry>
  </CBRunInfo>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	CBRunInfo
Table type	Multi-instance table
Row name	CBRunInfoEntry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppType	Application type	Index	Enumeration: • 1—Interface. • 2—VLAN. • 3—Global. • 4—COPP.	N/A
AppMainIndex	Primary index of the application	Index	Unsigned integer.	The value depends on the AppType column: • Interface index if AppType is 1. • VLAN ID in the range of 1 to 4094 if AppType is 2. • 0 if AppType is 3. • Member ID (0 for a standalone device) if AppType is 4.
AppSubIndex	Secondary index of the application	Index	Unsigned integer.	The value depends on the AppType column: • Slot number of the card if AppType is 4. • 0 is AppType is not 4.
AppDirection	Application direction	Index	Enumeration: • 1—Inbound. • 2—Outbound.	N/A
CBMapIndex	Class-behavior association index	Index	Unsigned integer.	N/A
ClassName	Traffic class name	N/A	String. Length: 0 to 31 characters.	
BehaviorName	Traffic behavior name	N/A	String. Length: 0 to 31 characters.	
CBApplStatus	Class-behavior association application status	N/A	Enumeration: • 1—Succeeded. • 2—Failed. • 3—Succeeded partly.	If a class-behavior association fails to applied on a card when the policy is applied globally or to a VLAN, the value of this field is 3.

MQC/AccountRunInfo

This table contains traffic statistics information.

XML structure

```
<MQC>
  <AccountRunInfo>
    <AccountRunInfoEntry>
      <AppType></AppType>
      <AppMainIndex></AppMainIndex>
      <AppSubIndex></AppSubIndex>
      <AppDirection></AppDirection>
      <CBMapIndex></CBMapIndex>
      <AccountPkts></AccountPkts>
      <AccountBytes></AccountBytes>
    </AccountRunInfoEntry>
  </AccountRunInfo>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	AccountRunInfo
Table type	Multi-instance table
Row name	AccountRunInfoEntry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppType	Application type	Index	Enumeration: • 1—Interface. • 2—VLAN. • 3—Global. • 4—COPP.	N/A
AppMainIndex	Primary index of the application	Index	Unsigned integer.	The value depends on the AppType column: • Interface index if AppType is 1. • VLAN ID in the range of 1 to 4094 if AppType is 2. • 0 if AppType is 3. • Member ID (0 for a standalone device) if

Column name	Column description	Column type	Data type and restrictions	Remarks
				AppType is 4.
AppSubIndex	Secondary index of the application	Index	Unsigned integer.	The value depends on the AppType column: - Slot number of the card if AppType is 4. 0 is AppType is not 4.
AppDirection	Application direction	Index	Enumeration: 1—Inbound. 2—Outbound.	N/A
CBMapIndex	Class-behavior association index	Index	Unsigned integer.	N/A
AccountPkts	Traffic statistic in packets	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
AccountBytes	Traffic statistic in bytes	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

MQC/CARRunInfo

This table contains CAR operation information. Aggregate CAR and hierarchical CAR are not supported.

XML structure

```

<MQC>
  <CARRunInfo>
    <CARRunInfoEntry>
      <AppType></AppType>
      <AppMainIndex></AppMainIndex>
      <AppSubIndex></AppSubIndex>
      <AppDirection></AppDirection>
      <CBMapIndex></CBMapIndex>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <GreenPkts></GreenPkts>
      <GreenBytes></GreenBytes>
      <RedPkts></RedPkts>
      <RedBytes></RedBytes>
      <YellowPkts></YellowPkts>
      <YellowBytes></YellowBytes>
    </CARRunInfoEntry>
  </CARRunInfo>
</MQC>

```

```
</CARRunInfo>  
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	CARRunInfo
Table type	Multi-instance table
Row name	CARRunInfoEntry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppType	Application type	Index	Enumeration: • 1—Interface. • 2—VLAN. • 3—Global. • 4—COPP.	N/A
AppMainIndex	Primary index of the application	Index	Unsigned integer.	The value depends on the AppType column: • Interface index if AppType is 1. • VLAN ID in the range of 1 to 4094 if AppType is 2. • 0 if AppType is 3. • Member ID (0 for a standalone device) if AppType is 4.
AppSubIndex	Secondary index of the application	Index	Unsigned integer.	The value depends on the AppType column: • Slot number of the card if AppType is 4. • 0 if AppType is not 4.
AppDirection	Application direction	Index	Enumeration: • 1—Inbound. • 2—Outbound.	N/A
CBMapIndex	Class-behavior association index	Index	Unsigned integer.	N/A
CIR	Committed	N/A	Unsigned integer.	The value of this column

Column name	Column description	Column type	Data type and restrictions	Remarks
	information rate			depends on the device model.
CBS	Committed burst size	N/A	Unsigned integer.	The value of this column depends on the device model.
EBS	Excess burst size	N/A	Unsigned integer.	The value of this column depends on the device model.
PIR	Peak information rate	N/A	Unsigned integer.	The value of this column depends on the device model. If PIR is not configured, 0xFFFFFFFF is returned.
GreenPkts	Green packet statistic in packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFFFFFFFFFF is returned.
GreenBytes	Green packet statistic in bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFFFFFFFFFF is returned.
RedPkts	Red packet statistic in packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFFFFFFFFFF is returned.
RedBytes	Red packet statistic in bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFFFFFFFFFF is returned.
YellowPkts	Yellow packet statistic in packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFFFFFFFFFF is returned.
YellowBytes	Yellow packet statistic in bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFFFFFFFFFF is returned.

MQC/Classifiers

This table contains information about classifiers.

XML structure

```
<MQC>
  <Classifiers>
```

```

<Classifier>
  <Name></Name>
  <Operator></Operator>
  <RuleNum></RuleNum>
  <DefineMode></DefineMode>
  <NextRuleID></NextRuleID>
</Classifier>
</Classifiers>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Classifiers
Table type	Multi-instance table
Row name	Classifier
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Traffic Classifier name.	Index	String. Length: 1 to 31 characters.	N/A
Operator	Match operator of the traffic classifier	N/A	Enumeration: • 1—And. • 2—Or.	When the Operator column is 1, the traffic classifier matches the packets that match all its match criteria. When the Operator column is 2, the traffic classifier matches the packets that match any of its match criteria.
RuleNum	Number of rules.	N/A	Unsigned integer.	N/A
DefineMode	Define Mode.	N/A	Enumeration: • 1—System defined. • 2—User defined.	N/A
NextRuleID	ID for create a new rule.	N/A	Unsigned integer.	N/A

MQC/Behaviors

This table contains information about behaviors.

XML structure

```
<MQC>
  <Behaviors>
    <Behavior>
      <Name></Name>
      <ActionMask></ActionMask>
      <DefineMode></DefineMode>
    </Behavior>
  </Behaviors>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Behaviors
Table type	Multi-instance table
Row name	Behavior
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
				Action mask defines bit mask that it represents the action information of the behavior, defined below: ACCOUNT 0x02 FILTER 0x04 NEST 0x08 REMARK 0x10 REDIRECT 0x20 MIRROR 0x40 CAR 0x80 PRIMAP 0x100 GTS 0x200 AF 0x400 EF 0x800 WFAQ 0x1000 WRED 0x2000 POLICY 0x4000 PKTRATE 0x8000 WEIGHT 0x10000
ActionMask	Mask of action	N/A	Unsigned integer.	
			Enumeration:	
DefineMode	Define Mode.	N/A	1—System defined. 2—User defined.	N/A

MQC/Policies

This table contains information about policies.

XML structure

```

<MQC>
  <Policies>
    <Policy>
      <Name></Name>
      <CBMapNum></CBMapNum>
      <DefineMode></DefineMode>
      <NextCBMapID></NextCBMapID>
    </Policy>
  
```

```

    </Policies>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Policy name	Index	String. Length: 1 to 31 characters.	N/A
CBMapNum	Number of class-behavior associations	N/A	Unsigned integer.	N/A
DefineMode	Define Mode.	N/A	Enumeration: 1—System defined. 2—User defined.	N/A
NextCBMapID	ID for create a new CBMap.	N/A	Unsigned integer.	N/A

MQC/CBMaps

This table contains information about class-behavior associations.

XML structure

```

<MQC>
  <CBMaps>
    <CBMap>
      <PolicyName></PolicyName>
      <ClassifierName></ClassifierName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <DefineMode></DefineMode>
    </CBMap>
  </CBMaps>

```

</MQC>

Table description

Item	Description
Feature name	MQC
Table name	CBMaps
Table type	Multi-instance table
Row name	CBMap
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy name	Index	String. Length: 1 to 31 characters.	N/A
ClassifierName	Traffic class name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Traffic behavior name	N/A	String. Length: 1 to 31 characters.	N/A
Mode	Mode of the class-behavior association	N/A	Enumeration: • 0—None. • 2—Qppb. • 16—Dcbx.	When the Mode column is 0, there is no restriction on the classifier-behavior association. When the Mode column is 2, the classifier-behavior association applies only to QPPB. When the Mode column is 16, the classifier-behavior association applies only to the Data Center Bridging Exchange Protocol (DCBX).
DefineMode	Define Mode.	N/A	Enumeration: • 1—System defined. • 2—User defined.	N/A

MQC/Rules

This table contains information about rule.

XML structure

```
<MQC>
  <Rules>
    <Rule>
      <ClassName></ClassName>
      <RuleID></RuleID>
      <Not></Not>
      <PktType></PktType>
      <IPv4Acl></IPv4Acl>
      <IPv6Acl></IPv6Acl>
      <SrcMac></SrcMac>
      <DestMac></DestMac>
      <ServiceVLANID></ServiceVLANID>
      <CustomerVLANID></CustomerVLANID>
      <ServiceDot1pList>
        <ServiceDot1p></ServiceDot1p>
      </ServiceDot1pList>
      <CustomerDot1pList>
        <CustomerDot1p></CustomerDot1p>
      </CustomerDot1pList>
      <ExpList>
        <Exp></Exp>
      </ExpList>
      <InnerExpList>
        <InnerExp></InnerExp>
      </InnerExpList>
      <IPPrecedenceList>
        <IPPrecedence></IPPrecedence>
      </IPPrecedenceList>
      <LocalPrecedenceList>
        <LocalPrecedence></LocalPrecedence>
      </LocalPrecedenceList>
      <DscpList>
        <Dscp></Dscp>
      </DscpList>
      <DropPriorityList>
        <DropPriority></DropPriority>
      </DropPriorityList>
      <QoSLocalID></QoSLocalID>
      <MplsLabelList>
        <MplsLabel></MplsLabel>
      </MplsLabelList>
```

```

<InnerMplsLabelList>
  <InnerMplsLabel></InnerMplsLabel>
</InnerMplsLabelList>
<PktLength>
  <Min></Min>
  <Max></Max>
</PktLength>
<MplsLabelRange>
  <LabelStart></LabelStart>
  <LabelEnd></LabelEnd>
</MplsLabelRange>
<InnerMplsLabelRange>
  <InnerLabelStart></InnerLabelStart>
  <InnerLabelEnd></InnerLabelEnd>
</InnerMplsLabelRange>
<RTPPort>
  <PortStart></PortStart>
  <PortEnd></PortEnd>
</RTPPort>
<Application></Application>
<ApplicationGroup></ApplicationGroup>
</Rule>
</Rules>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Rules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ClassName	Traffic classifier name	Index	String. Length: 1 to 31 characters.	N/A
RuleID	ID of the rule	Index	Unsigned integer	N/A
Not	Whether the matches packets conform to the	N/A	Boolean: true—Conform. false—Not conform.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	specified criterion			
PktType	Match the type of packet.	N/A	Enumeration: 1—Any. 2—IP. 3—IPv6. 4—Arp. 5—Bt. 6—Bridge. 7—Route.	When the Type column is 1 , the rule matches all packets. When the Type column is 2 , the rule matches IP protocol. When the Type column is 3 , the rule matches IPv6 protocol. When the Type column is 4 , the rule matches ARP protocol. When the Type column is 5 , the rule matches bittorrent protocol. When the Type column is 6 , the rule matches Layer 2 forwarded packets. When the Type column is 7 , the rule matches Layer 3 forwarded packets.
IPv4ACL	Match IPv4 ACL.	N/A	ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 5999.	An ACL name must start with an English letter and cannot be all .
IPv6ACL	Match IPv6 ACL.	N/A	ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 3999.	An ACL name must start with an English letter and cannot be all .
SrcMac	Match a source MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A
DestMac	Match a destination MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A
ServiceVLANID	Match the service provider VLAN ID.	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string must not end with a	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			comma or hyphen, or include any whitespace characters.	
CustomerVLANID	Match the customer VLAN ID.	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string must not end with a comma or hyphen, or include any whitespace characters.	N/A
ServiceDot1p	Match the 802.1p priority of the service provider network.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
CustomerDot1p	Match the 802.1p priority of the customer network.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
Exp	Match MPLS EXP value.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
InnerExp	Match inner MPLS EXP value.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
IPPrecedence	Match IP precedence.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
LocalPrecedence	Match local precedence.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
Dscp	Match DSCP values.	N/A	Unsigned integer. Value range: 0 to 63.	N/A
DropPriority	Match drop precedence.	N/A	Unsigned integer. Value range: 0 to 2.	N/A
QoSLocalID	Match local QoS ID.	N/A	Unsigned integer. Value range: 1 to 4095.	N/A
MplsLabel	Match MPLS label.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
InnerMplsLabel	Match inner MPLS label.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
PktLength	Match packet length.	Data structure	Members include: • Min. • Max.	N/A
Min	The minimum packet length in bytes.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
Max	The maximum packet length in bytes.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
MplsLabelRange	Match MPLS label range.	Data structure	Members include: • LabelStart. • LabelEnd.	N/A
LabelStart	Start Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
LabelEnd	End Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
InnerMplsLabelRange	Match inner MPLS label range.	Data structure	Members include: • InnerLabelStart. • InnerLabelEnd.	N/A
InnerLabelStart	Start Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
InnerLabelEnd	End Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
RTPPort	Match RTP protocol port range.	Data structure	Members include: • PortStart. • PortEnd.	N/A
PortStart	Start RTP port number	N/A	Unsigned integer. Value range: 2000 to 65535.	N/A
PortEnd	End RTP port number	N/A	Unsigned integer. Value range: 2000 to 65535.	N/A
Application	Match application layer protocol.	N/A	String, case-insensitive. Length: 1 to 63 characters.	APR/Applications/Application/AppName.
ApplicationGroup	Match application group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	APR/AppGroups/GroupInfo/GroupName.

MQC/Remark

This table contains information about marking action.

XML structure

```
<MQC>
  <Remark>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <Color></Color>
      <Value></Value>
    </Action>
  </Remark>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Remark
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of remark	Index	Enumeration: • 0—CDot1pTrust. • 1—Dscp. • 2—IPPre. • 3—MplsExp. • 4—Dot1p. • 5—LocalID. • 6—LocalPre. • 7—DropPre. • 8—CVlanID.	When the Type column is 0, configure an inner-to-outer tag priority copying action. When the Type column is 1, configure a DSCP marking action. When the Type column is 2, configure an IP precedence marking action.

Column name	Column description	Column type	Data type and restrictions	Remarks
			• 9—SVlanID. • 10—ImpositionMplsExp. • 12—AtmClp.	When the Type column is 3, configure an EXP value marking action. When the Type column is 4, configure an 802.1p priority marking action. When the Type column is 5, configure the action of setting the specified local QoS ID for packets. When the Type column is 6, configure a local precedence marking action. When the Type column is 7, configure a drop priority marking action. When the Type column is 8, configure a CVLAN marking action. When the Type column is 9, configure a SVLAN marking action. When the Type column is 10, configure an EXP value marking action for added labels. When the Type column is 12, configure the action of setting the CLP bit for ATM cells.
Color	The color of affected packets	Index	Enumeration: • 0—No color. • 1—Green. • 2—Yellow. • 3—Red.	Specify different color packets for the priority marking action. Support for the green, red and yellow keyword depends on the device model. When the Color column is 0, specifies all packets. When the Color column is 1, specifies green packets. When the Color column is 2, specifies yellow packets. When the Color column is 3, specifies red packets.
Value	The value of marking action	N/A	Unsigned integer.	Required when the Type column is 1, 2, 3, 4, 5, 6 ,

Column name	Column description	Column type	Data type and restrictions	Remarks
				7, 8, 9, 10 or 12. When the Type column is 0, the value is invalid. When the Type column is 8 or 9 , the value range is 1 to 4094. When the Type column is 7 , the value range is 0 to 2. When the Type column is 5 , the value range is 1 to 4095. When the Type column is 2, 3, 4, 6 or 10 , the value range is 0 to 7. When the Type column is 1 , the value range is 0 to 63. When the Type column is 12 , the value range is 0 to 1.

MQC/Redirect

This table contains information about redirect.

XML structure

```

<MQC>
  <Redirect>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <IfIndex></IfIndex>
      <Track0ap></Track0ap>
      <VLANID></VLANID>
      <VSI></VSI>
    </Action>
  </Redirect>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Redirect
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of redirect	Index	Enumeration: • 1—CPU. • 2—Interface. • 3—VSI.	When the Type column is 1 , redirect traffic to CPU. When the Type column is 2 , redirect traffic to an interface. When the Type column is 3 , redirect traffic to a virtual station interface.
IfIndex	Interface index	Index	Unsigned integer.	The value of this column is valid only when the Type column is 2 .
TrackOap	Enable the traffic redirecting action to collaborate with OAP	N/A	Boolean: • true—Enable. • false—Disable.	The value of this column is valid only when the Type column is 2 .
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	The value of this column is valid only when the Type column is 2 .
VSI	Name of VSI	N/A	String. Length: 1 to 31 characters.	Required and valid only when the Type column is 3 .

MQC/Mirror

This table contains information about mirroring.

XML structure

<MQC>

```

<Mirror>
  <Action>
    <BehaviorName></BehaviorName>
    <Type></Type>
    <IfIndex></IfIndex>
    <VLANID></VLANID>
    <IP>
      <DestIP></DestIP>
      <SrcIP></SrcIP>
      <DSCP></DSCP>
      <VLAN></VLAN>
      <VRF></VRF>
    </IP>
    <Mac></Mac>
  </Action>
</Mirror>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Mirror
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of mirror	Index	Enumeration: 1—Interface. 2—CPU. 3—VLAN.	When the Type column is 1 , mirror to an interface. When the Type column is 2 , mirror to CPU. When the Type column is 3 , mirror to VLAN.
IfIndex	Interface index	Index	Unsigned integer.	The value of this column is valid if Type is 1 .
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	The value of this column is valid if Type is 3 .

Column name	Column description	Column type	Data type and restrictions	Remarks
IP	Specify IP for mirroring to interface with GRE format	Data structure	Members include: • DestIP • SrcIP • DSCP • VLAN • VRF	DestIP and SrcIP must both be specified. DSCP,VLAN and VRF can be optionally specified when DestIP and SrcIP are configured. This structure is valid and optional if Type is 1.
DestIP	Destination IP address	N/A	String, dotted decimal notation.	Example: 10.153.93.54.
SrcIP	Source IP address	N/A	String, dotted decimal notation.	Example: 10.153.93.60.
DSCP	DSCP value	N/A	Unsigned integer. Value range: 0 to 63.	N/A
VLAN	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
VRF	VRF instance name	N/A	String. Length: 1 to 31 characters.	N/A
Mac	Specify destination MAC for mirroring to interface	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0. The value of this column is valid and optional if Type is 1.

MQC/Filter

This table contains information about filtering action.

XML structure

```

<MQC>
  <Filter>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
    </Action>
  </Filter>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Filter
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of filter	N/A	Enumeration: • 1—Deny. • 2—Permit.	Required.

MQC/AssuredForwarding

This table contains information about assured-forwarding queue.

XML structure

```
<MQC>
  <AssuredForwarding>
    <Action>
      <BehaviorName></BehaviorName>
      <Kbps></Kbps>
      <Pct></Pct>
      <RemainingPct></RemainingPct>
    </Action>
  </AssuredForwarding>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	AssuredForwarding

Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Kbps	Bandwidth value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	When the configuration way of Bandwidth is Kbps, the others can't be configured at the same time.
Pct	Percentage of reserved bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	When the configuration way of Bandwidth is Pct, the others can't be configured at the same time.
RemainingPct	Percentage of remaining bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	When the configuration way of Bandwidth is RemainingPct, the others can't be configured at the same time.

MQC/ExpeditedForwarding

This table contains information about expedited-forwarding queue.

XML structure

```

<MQC>
  <ExpeditedForwarding>
    <Action>
      <BehaviorName></BehaviorName>
      <Bandwidth>
        <Kbps></Kbps>
        <CBS></CBS>
      </Bandwidth>
      <BandwidthPct>
        <Pct></Pct>
        <CBSRatio></CBSRatio>
      </BandwidthPct>
    </Action>
  </ExpeditedForwarding>
</MQC>

```



```
</ExpeditedForwarding>  
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	ExpeditedForwarding
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Bandwidth	Specify the Bandwidth value in kbps	Data structure	Members include: • Kbps. • CBS.	When the configuration way of Bandwidth is Bandwidth, the Kbps must be specified, and another way can't be configured at the same time.
Kbps	value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	N/A
CBS	Committed Burst Size	N/A	Unsigned integer. Value range: 32 to 1,000,000,000.	N/A
BandwidthPct	Specify the percentage of reserved bandwidth.	Data structure	Members include: • Pct. • CBSRatio.	When the configuration way of Bandwidth is BandwidthPct, the Pct must be specified, and another way can't be configured at the same time.
Pct	Percentage of reserved bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	N/A
CBSRatio	CBS Ratio	N/A	Unsigned integer. Value range: 25 to 500.	The default value is 25.

MQC/WFQ

This table contains information about weighted fair queue.

XML structure

```
<MQC>
  <WFQ>
    <Action>
      <BehaviorName></BehaviorName>
      <QueueNum></QueueNum>
    </Action>
  </WFQ>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	WFQ
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
QueueNum	Total queue number	N/A	Unsigned integer. Value range: 16 to 4096.	When the value is 0, the device model does not support configuring the QueueNum.

MQC/CAR

This table contains information about car action.

XML structure

```
<MQC>
```

```

<CAR>
  <Action>
    <BehaviorName></BehaviorName>
    <BandwidthUnit></BandwidthUnit>
    <CIR></CIR>
    <CBS></CBS>
    <EBS></EBS>
    <PIR></PIR>
    <GreenAction>
      <GreenActionType></GreenActionType>
      <GreenActionValue></GreenActionValue>
    </GreenAction>
    <YellowAction>
      <YellowActionType></YellowActionType>
      <YellowActionValue></YellowActionValue>
    </YellowAction>
    <RedAction>
      <RedActionType></RedActionType>
      <RedActionValue></RedActionValue>
    </RedAction>
  </Action>
</CAR>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	CAR
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
BandwidthUnit	Specify bandwidth Unit	N/A	Enumeration: 2—kpbs. 3—percent.	If this column is not configured, the default bandwidth unit is kpbs.
CIR	Committed information rate	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
CBS	Committed burst size	N/A	Unsigned integer.	N/A
EBS	Excess burst size	N/A	Unsigned integer.	N/A
PIR	Peak information rate	N/A	Unsigned integer.	N/A
GreenAction	Specify behavior for green packets	Data structure	Members include: • GreenActionType. • GreenActionValue.	
GreenActionType	Green Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	When GreenActionType is 1, send the packet. When GreenActionType is 2, remark DSCP value of the packet and send it. When GreenActionType is 3, remark IP precedence of the packet and send it. When GreenActionType is 4, remark EXP of the MPLS packet and send it. When GreenActionType is 5, remark 802.1p priority value of the packet and send it. When GreenActionType is 6, remark CLP bit of the ATM packet and send it. When GreenActionType is 7, remark DE bit of the FR packet and send it. When GreenActionType is 8, remark local precedence of the packet and send it. When GreenActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
GreenActionValue	Green Action Value	N/A	Unsigned integer.	When GreenActionType is 1, 10 or 19, GreenActionValue is invisible. When GreenActionType is 6 or 7, GreenActionValue is 0~1. When GreenActionType is 2, GreenActionValue is

Column name	Column description	Column type	Data type and restrictions	Remarks
				0~63. When GreenActionType is 3, 4, 5, 8 , GreenActionValue is 0~7.
YellowAction	Specify behavior for yellow packets	Data structure	Members include: • YellowActionType. • YellowActionValue.	
YellowActionType	Yellow Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	When YellowActionType is 1, send the packet. When YellowActionType is 2, remark DSCP value of the packet and send it. When YellowActionType is 3, remark IP precedence of the packet and send it. When YellowActionType is 4, remark EXP of the MPLS packet and send it. When YellowActionType is 5, remark 802.1p priority value of the packet and send it. When YellowActionType is 6, remark CLP bit of the ATM packet and send it. When YellowActionType is 7, remark DE bit of the FR packet and send it. When YellowActionType is 8, remark local precedence of the packet and send it. When YellowActionType is 10, drop the packet. When YellowActionType is 19, continue to process the packet.
YellowActionValue	Yellow Action Value	N/A	Unsigned integer.	When YellowActionType is 1, 10 or 19, YellowActionValue is invisible. When YellowActionType is 6 or 7, YellowActionValue is 0~1. When YellowActionType is 2, YellowActionValue is 0~63. When YellowActionType is

Column name	Column description	Column type	Data type and restrictions	Remarks
				3, 4, 5, 8, YellowActionValue is 0~7.
RedAction	Specify behavior for red packets	Data structure	Members include: • RedActionType. • RedActionValue.	
RedActionType	Red Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	When RedActionType is 1, send the packet. When RedActionType is 2, remark DSCP value of the packet and send it. When RedActionType is 3, remark IP precedence of the packet and send it. When RedActionType is 4, remark EXP of the MPLS packet and send it. When RedActionType is 5, remark 802.1p priority value of the packet and send it. When RedActionType is 6, remark CLP bit of the ATM packet and send it. When RedActionType is 7, remark DE bit of the FR packet and send it. When RedActionType is 8, remark local precedence of the packet and send it. When RedActionType is 10, drop the packet. When RedActionType is 19, continue to process the packet.
RedActionValue	Red Action Value	N/A	Unsigned integer.	When RedActionType is 1, 10 or 19, RedActionValue is invisible. When RedActionType is 6 or 7, RedActionValue is 0~1. When RedActionType is 2, RedActionValue is 0~63. When RedActionType is 3, 4, 5, 8, RedActionValue is 0~7.

MQC/ReservedBandwidth

This table contains information about the maximum reserved bandwidth as a percentage of available bandwidth.

XML structure

```
<MQC>
  <ReservedBandwidth>
    <Interface>
      <IfIndex></IfIndex>
      <Pct></Pct>
    </Interface>
  </ReservedBandwidth>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	ReservedBandwidth
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer	N/A
Pct	Specify the percentage of available bandwidth to be reserved	N/A	Unsigned integer	N/A

MQC/GlobalPolicy

This table contains information about global QoS policies.

XML structure

```
<MQC>
```

```

<GlobalPolicy>
  <Application>
    <Direction></Direction>
    <PolicyName></PolicyName>
    <Status></Status>
  </Application>
</GlobalPolicy>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: 0—Inbound. 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	N/A
Status	Application status	N/A	Enumeration: 1—Succeeded. 2—Failed. 3—Succeeded partly.	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 3 .

MQC/VlanPolicy

This table contains information about QoS policies applied to VLANs.

XML structure

```
<MQC>
```



```

<VlanPolicy>
  <Application>
    <VLANID></VLANID>
    <Direction></Direction>
    <PolicyName></PolicyName>
    <Status></Status>
  </Application>
</VlanPolicy>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	VlanPolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Direction	Application direction	Index	Enumeration: 0—Inbound. 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	N/A
Status	Application status	N/A	Enumeration: 1—Succeeded. 2—Failed. 3—Succeeded partly.	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 3.

MQC/InterfacePolicy

This table contains information about QoS policies applied to interfaces.

XML structure

```
<MQC>
  <InterfacePolicy>
    <Application>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <PolicyName></PolicyName>
      <Status></Status>
    </Application>
  </InterfacePolicy>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	InterfacePolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	N/A
Status	Application status	N/A	Enumeration: • 1—Succeeded. • 2—Failed. • 3—Succeeded partly.	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 3 .

MQC/IfPolicyCBMap

This table contains information about class-behavior associations running information applied to interfaces.

XML structure

```
<MQC>
  <IfPolicyCBMap>
    <Interface>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <Status></Status>
      <MatchedPackets></MatchedPackets>
      <MatchedBytes></MatchedBytes>
    </Interface>
  </IfPolicyCBMap>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyCBMap
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Behavior name	N/A	String. Length: 1 to 31 characters.	N/A
Mode	Mode of the class-behavior association	N/A	Enumeration: • 0—None. • 2—Qppb. • 16—Dcbx.	When the Mode column is 0, there is no restriction on the classifier-behavior association. When the Mode column is 2, the classifier-behavior association applies only to QPPB. When the Mode column is 16, the classifier-behavior association applies only to the Data Center Bridging Exchange Protocol (DCBX).
Status	Class-Behavior association application status	N/A	Enumeration: • 1—Succeeded. • 2—Failed.	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/GlobalPolicyCBMap

This table contains information about class-behavior associations running information applied to global.

XML structure

```

<MQC>
  <GlobalPolicyCBMap>
    <Global>
      <Direction></Direction>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <Status></Status>
    </Global>
  </GlobalPolicyCBMap>
</MQC>

```

```

    <MatchedPackets></MatchedPackets>
    <MatchedBytes></MatchedBytes>
  </Global>
</GlobalPolicyCBMap>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicyCBMap
Table type	Multi-instance table
Row name	Global
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Behavior name	N/A	String. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Mode	Mode of the class-behavior association	N/A	Enumeration: • 0—None. • 2—Qppb. • 16—Dcbx.	When the Mode column is 0, there is no restriction on the classifier-behavior association. When the Mode column is 2, the classifier-behavior association applies only to QPPB. When the Mode column is 16, the classifier-behavior association applies only to the Data Center Bridging Exchange Protocol (DCBX).
Status	Class-Behavior association application status	N/A	Enumeration: • 1—Succeeded. • 2—Failed.	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/VLANPolicyCBMap

This table contains information about class-behavior associations running information applied to VLANs.

XML structure

```

<MQC>
  <VLANPolicyCBMap>
    <VLAN>
      <VLANID></VLANID>
      <Direction></Direction>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <Status></Status>
      <MatchedPackets></MatchedPackets>

```

```

    <MatchedBytes></MatchedBytes>
  </VLAN>
</VLANPolicyCBMap>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	VLANPolicyCBMap
Table type	Multi-instance table
Row name	VLAN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Behavior name	N/A	String. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Mode	Mode of the class-behavior association	N/A	Enumeration: • 0—None. • 2—Qppb. • 16—Dcbx.	When the Mode column is 0, there is no restriction on the classifier-behavior association. When the Mode column is 2, the classifier-behavior association applies only to QPPB. When the Mode column is 16, the classifier-behavior association applies only to the Data Center Bridging Exchange Protocol (DCBX).
Status	Class-Behavior association application status	N/A	Enumeration: • 1—Succeeded. • 2—Failed.	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/IfPolicyCar

This table contains information about car associations running information applied to interfaces.

XML structure

```

<MQC>
  <IfPolicyCar>
    <Interface>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <ClassName></ClassName>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <GreenAction>

```



```

        <GreenActionType></GreenActionType>
        <GreenActionValue></GreenActionValue>
    </GreenAction>
    <YellowAction>
        <YellowActionType></YellowActionType>
        <YellowActionValue></YellowActionValue>
    </YellowAction>
    <RedAction>
        <RedActionType></RedActionType>
        <RedActionValue></RedActionValue>
    </RedAction>
    <GreenPkts></GreenPkts>
    <GreenBytes></GreenBytes>
    <YellowPkts></YellowPkts>
    <YellowBytes></YellowBytes>
    <RedPkts></RedPkts>
    <RedBytes></RedBytes>
</Interface>
</IfPolicyCar>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyCar
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Direction	Application direction	Index	Enumeration: 0—Inbound. 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
CIR	Committed information rate	N/A	Unsigned integer.	N/A
CBS	Committed burst size	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
EBS	Excess burst size	N/A	Unsigned integer.	N/A
PIR	Peak information rate	N/A	Unsigned integer.	N/A
GreenAction	Specify behavior for green packets	Data structure	Members include: • GreenActionType. • GreenActionValue.	When GreenActionType is 1, send the packet. When GreenActionType is 2, remark DSCP value of the packet and send it. When GreenActionType is 3, remark IP precedence of the packet and send it. When GreenActionType is 4, remark EXP of the MPLS packet and send it. When GreenActionType is 5, remark 802.1p priority value of the packet and send it. When GreenActionType is 6, remark CLP bit of the ATM packet and send it. When GreenActionType is 7, remark DE bit of the FR packet and send it. When GreenActionType is 8, remark local precedence of the packet and send it. When GreenActionType is 10, drop the packet. When GreenActionType is
GreenActionType	Green Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	

Column name	Column description	Column type	Data type and restrictions	Remarks
				19, continue to process the packet.
				When GreenActionType is 1, 10 or 19, GreenActionValue is invisible.
				When GreenActionType is 6 or 7, GreenActionValue is 0~1.
GreenActionValue	Green Action Value	N/A	Unsigned integer.	When GreenActionType is 2, GreenActionValue is 0~63.
				When GreenActionType is 3, 4, 5, 8, GreenActionValue is 0~7.
YellowAction	Specify behavior for yellow packets	Data structure	Members include: • YellowActionType. • YellowActionValue.	
				When YellowActionType is 1, send the packet.
				When YellowActionType is 2, remark DSCP value of the packet and send it.
				When YellowActionType is 3, remark IP precedence of the packet and send it.
				When YellowActionType is 4, remark EXP of the MPLS packet and send it.
				When YellowActionType is 5, remark 802.1p priority value of the packet and send it.
YellowActionType	Yellow Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	

Column name	Column description	Column type	Data type and restrictions	Remarks
				When YellowActionType is 6, remark CLP bit of the ATM packet and send it. When YellowActionType is 7, remark DE bit of the FR packet and send it. When YellowActionType is 8, remark local precedence of the packet and send it. When YellowActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
YellowActionValue	Yellow Action Value	N/A	Unsigned integer.	When YellowActionType is 1, 10 or 19, YellowActionValue is invisible. When YellowActionType is 6 or 7, YellowActionValue is 0~1. When YellowActionType is 2, YellowActionValue is 0~63. When YellowActionType is 3, 4, 5, 8, YellowActionValue is 0~7.
RedAction	Specify behavior for red packets	Data structure	Members include: • RedActionType. • RedActionValue.	
RedActionType	Red Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass.	When RedActionType is 1 , send the packet.

Column name	Column description	Column type	Data type and restrictions	Remarks
			• 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	When RedActionType is 2, remark DSCP value of the packet and send it. When RedActionType is 3, remark IP precedence of the packet and send it. When RedActionType is 4, remark EXP of the MPLS packet and send it. When RedActionType is 5, remark 802.1p priority value of the packet and send it. When RedActionType is 6, remark CLP bit of the ATM packet and send it. When RedActionType is 7, remark DE bit of the FR packet and send it. When RedActionType is 8, remark local precedence of the packet and send it. When RedActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
RedActionValue	Red Action Value	N/A	Unsigned integer.	When RedActionType is 1, 10 or 19, RedActionValue is invisible. When RedActionType is 6 or 7,

Column name	Column description	Column type	Data type and restrictions	Remarks
				RedActionValue is 0~1. When RedActionType is 2 , RedActionValue is 0~63. When RedActionType is 3, 4, 5, 8 , RedActionValue is 0~7.
GreenPkts	Number of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
GreenBytes	Bytes of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowPkts	Number of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowBytes	Bytes of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedPkts	Number of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedBytes	Bytes of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/IfPolicyAF

This table contains running information about assured-forwarding queue.

XML structure

```

<MQC>
  <IfPolicyAF>
    <Interface>
      <IfIndex></IfIndex>
      <ClassName></ClassName>
      <Kbps></Kbps>
      <Bps></Bps>
      <RemainingPct></RemainingPct>
      <MatchedPackets></MatchedPackets>
      <MatchedBytes></MatchedBytes>
      <EnqueuedPackets></EnqueuedPackets>
      <EnqueuedBytes></EnqueuedBytes>
      <DiscardedPackets></DiscardedPackets>

```

```

        <DiscardedBytes></DiscardedBytes>
    </Interface>
</IfPolicyAF>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyAF
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
Kbps	Bandwidth value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	N/A
Bps	Bandwidth value in bps	N/A	Unsigned integer. Value range: 8 to 1,000.	N/A
RemainingPct	Percentage of remaining bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedPackets	Enqueued Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedBytes	Enqueued Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedPackets	Discarded Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedBytes	Discarded Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/IfPolicyEF

This table contains running information about expedited-forwarding queue.

XML structure

```
<MQC>
  <IfPolicyEF>
    <Interface>
      <IfIndex></IfIndex>
      <ClassName></ClassName>
      <Kbps></Kbps>
      <CBS></CBS>
      <MatchedPackets></MatchedPackets>
      <MatchedBytes></MatchedBytes>
      <EnqueuedPackets></EnqueuedPackets>
      <EnqueuedBytes></EnqueuedBytes>
      <DiscardedPackets></DiscardedPackets>
      <DiscardedBytes></DiscardedBytes>
    </Interface>
  </IfPolicyEF>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyEF
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
Kbps	Bandwidth value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
CBS	Committed Burst Size	N/A	Unsigned integer. Value range: 32 to 1,000,000,000.	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedPackets	Enqueued Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedBytes	Enqueued Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedPackets	Discarded Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedBytes	Discarded Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/IfPolicyWFQ

This table contains running information about weighted fair queue.

XML structure

```

<MQC>
  <IfPolicyWFQ>
    <Interface>
      <IfIndex></IfIndex>
      <ClassName></ClassName>
      <QueueNum></QueueNum>
      <MatchedPackets></MatchedPackets>
      <MatchedBytes></MatchedBytes>
      <EnqueuedPackets></EnqueuedPackets>
      <EnqueuedBytes></EnqueuedBytes>
      <DiscardedPackets></DiscardedPackets>
      <DiscardedBytes></DiscardedBytes>
    </Interface>
  </IfPolicyWFQ>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyWFQ
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
QueueNum	Total queue number	N/A	Unsigned integer. Value range: 16 to 4096.	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedPackets	Enqueued Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedBytes	Enqueued Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedPackets	Discarded Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedBytes	Discarded Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/IfPolicyEnhance

This table contains information about QoS policies applied to interfaces in enhanced mode.

XML structure

```
<MQC>
  <IfPolicyEnhance>
    <Application>
```

```

<IfIndex></IfIndex>
<Direction></Direction>
<PolicyName></PolicyName>
<Status></Status>
</Application>
</IfPolicyEnhance>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyEnhance
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	N/A
Status	Application status	N/A	Enumeration: • 1—Succeeded. • 2—Failed. • 3—Succeeded partly.	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 3 .

MQC/IfPolicyEnhanceCBMap

This table contains information about class-behavior associations running information applied to interfaces in enhanced mode.

XML structure

```
<MQC>
  <IfPolicyEnhanceCMap>
    <Interface>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <Status></Status>
    </Interface>
  </IfPolicyEnhanceCMap>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyEnhanceCMap
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Behavior name	N/A	String. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Mode	Mode of the class-behavior association	N/A	Enumeration: • 0—None. • 2—Qppb. • 16—Dcbx.	When the Mode column is 0, there is no restriction on the classifier-behavior association. When the Mode column is 2, the classifier-behavior association applies only to QPPB. When the Mode column is 16, the classifier-behavior association applies only to the Data Center Bridging Exchange Protocol (DCBX).
Status	Class-Behavior association application status	N/A	Enumeration: • 1—Succeeded. • 2—Failed.	N/A

MQC/GlobalPolicyEnhance

This table contains information about global QoS policies in enhanced mode.

XML structure

```

<MQC>
  <GlobalPolicyEnhance>
    <Application>
      <Direction></Direction>
      <PolicyName></PolicyName>
      <Status></Status>
    </Application>
  </GlobalPolicyEnhance>
</MQC>

```

Table description

Item	Description
Feature name	MQC

Item	Description
Table name	GlobalPolicyEnhance
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	N/A
Status	Application status	N/A	Enumeration: • 1—Succeeded. • 2—Failed. • 3—Succeeded partly.	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 3 .

MQC/GlobalPolicyEnhanceCBMap

This table contains information about class-behavior associations running information applied to global in enhanced mode.

XML structure

```

<MQC>
  <GlobalPolicyEnhanceCBMap>
    <Global>
      <Direction></Direction>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <Status></Status>
    </Global>
  </GlobalPolicyEnhanceCBMap>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicyEnhanceCBMap
Table type	Multi-instance table
Row name	Global
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: 0—Inbound. 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Behavior name	N/A	String. Length: 1 to 31 characters.	N/A
Mode	Mode of the class-behavior association	N/A	Enumeration: 0—None. 2—Qppb. 16—Dcbx.	When the Mode column is 0, there is no restriction on the classifier-behavior association. When the Mode column is 2, the classifier-behavior association applies only to QPPB. When the Mode column is 16, the classifier-behavior association applies only to the Data Center Bridging Exchange Protocol (DCBX).
Status	Class-Behavior association application status	N/A	Enumeration: 1—Succeeded. 2—Failed.	N/A

MQC/Account

This table contains information about accounting action.

XML structure

```
<MQC>
  <Account>
    <Action>
      <BehaviorName></BehaviorName>
      <Byte></Byte>
      <Packet></Packet>
    </Action>
  </Account>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Account
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Byte	Accounting in bytes	N/A	Boolean: • true—Conform. • false—Not conform.	N/A
Packet	Accounting in packets	N/A	Boolean: • true—Conform. • false—Not conform.	N/A

MQC/IfPolicyAccount

This table contains information about accounting running information applied to interfaces.

XML structure

```
<MQC>
  <IfPolicyAccount>
    <Interface>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <ClassName></ClassName>
      <Packets></Packets>
      <Bytes></Bytes>
    </Interface>
  </IfPolicyAccount>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyAccount
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
Packets	Accounting Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Bytes	Accounting Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/VLANPolicyCar

This table contains information about car associations running information applied to VLANs.

XML structure

```
<MQC>
  <VLANPolicyCar>
    <VLAN>
      <VLANID></VLANID>
      <Direction></Direction>
      <ClassName></ClassName>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <GreenAction>
        <GreenActionType></GreenActionType>
        <GreenActionValue></GreenActionValue>
      </GreenAction>
      <YellowAction>
        <YellowActionType></YellowActionType>
        <YellowActionValue></YellowActionValue>
      </YellowAction>
      <RedAction>
        <RedActionType></RedActionType>
        <RedActionValue></RedActionValue>
      </RedAction>
      <GreenPkts></GreenPkts>
      <GreenBytes></GreenBytes>
      <YellowPkts></YellowPkts>
      <YellowBytes></YellowBytes>
      <RedPkts></RedPkts>
      <RedBytes></RedBytes>
    </VLAN>
  </VLANPolicyCar>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	VLANPolicyCar
Table type	Multi-instance table
Row name	VLAN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
CIR	Committed information rate	N/A	Unsigned integer.	N/A
CBS	Committed burst size	N/A	Unsigned integer.	N/A
EBS	Excess burst size	N/A	Unsigned integer.	N/A
PIR	Peak information rate	N/A	Unsigned integer.	N/A
GreenAction	Specify behavior for green packets	Data structure	Members include: • GreenActionType. • GreenActionValue.	When GreenActionType is 1 , send the packet. When GreenActionType is 2 , remark DSCP value of the packet and send it. When GreenActionType is 3 , remark IP precedence of the packet and send it. When GreenActionType is 4 , remark EXP of the MPLS packet and send it. When GreenActionType is 5 , remark 802.1p priority value of the packet and send it. When GreenActionType is 6 , remark CLP bit of the ATM packet and send it.
GreenActionType	Green Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	

Column name	Column description	Column type	Data type and restrictions	Remarks
				When GreenActionType is 7, remark DE bit of the FR packet and send it. When GreenActionType is 8, remark local precedence of the packet and send it. When GreenActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
GreenActionValue	Green Action Value	N/A	Unsigned integer.	When GreenActionType is 1, 10 or 19, GreenActionValue is invisible. When GreenActionType is 6 or 7, GreenActionValue is 0~1. When GreenActionType is 2, GreenActionValue is 0~63. When GreenActionType is 3, 4, 5, 8, GreenActionValue is 0~7.
YellowAction	Specify behavior for yellow packets	Data structure	Members include:	
			• YellowActionType. • YellowActionValue.	
YellowActionType	Yellow Action Type	N/A	Enumeration:	When YellowActionType is 1, send the packet. When YellowActionType is 2, remark DSCP value of the packet and send it.
			• 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass.	

Column name	Column description	Column type	Data type and restrictions	Remarks
			7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue.	When YellowActionType is 3, remark IP precedence of the packet and send it. When YellowActionType is 4, remark EXP of the MPLS packet and send it. When YellowActionType is 5, remark 802.1p priority value of the packet and send it. When YellowActionType is 6, remark CLP bit of the ATM packet and send it. When YellowActionType is 7, remark DE bit of the FR packet and send it. When YellowActionType is 8, remark local precedence of the packet and send it. When YellowActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
YellowActionValue	Yellow Action Value	N/A	Unsigned integer.	When YellowActionType is 1, 10 or 19, YellowActionValue is invisible. When YellowActionType is 6 or 7, YellowActionValue is 0~1. When YellowActionType

Column name	Column description	Column type	Data type and restrictions	Remarks
				is 2, YellowActionValue is 0~63. When YellowActionType is 3, 4, 5, 8, YellowActionValue is 0~7.
RedAction	Specify behavior for red packets	Data structure	Members include: • RedActionType. • RedActionValue.	
RedActionType	Red Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	When RedActionType is 1, send the packet. When RedActionType is 2, remark DSCP value of the packet and send it. When RedActionType is 3, remark IP precedence of the packet and send it. When RedActionType is 4, remark EXP of the MPLS packet and send it. When RedActionType is 5, remark 802.1p priority value of the packet and send it. When RedActionType is 6, remark CLP bit of the ATM packet and send it. When RedActionType is 7, remark DE bit of the FR packet and send it. When RedActionType is 8, remark local precedence of the packet and send it. When

Column name	Column description	Column type	Data type and restrictions	Remarks
				RedActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
RedActionValue	Red Action Value	N/A	Unsigned integer.	When RedActionType is 1, 10 or 19, RedActionValue is invisible. When RedActionType is 6 or 7, RedActionValue is 0~1. When RedActionType is 2, RedActionValue is 0~63. When RedActionType is 3, 4, 5, 8, RedActionValue is 0~7.
GreenPkts	Number of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
GreenBytes	Bytes of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowPkts	Number of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowBytes	Bytes of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedPkts	Number of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedBytes	Bytes of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/VLANPolicyAccount

This table contains information about accounting running information applied to VLANs.

XML structure

```
<MQC>
  <VLANPolicyAccount>
    <VLAN>
      <VLANID></VLANID>
      <Direction></Direction>
      <ClassName></ClassName>
      <Packets></Packets>
      <Bytes></Bytes>
    </VLAN>
  </VLANPolicyAccount>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	VLANPolicyAccount
Table type	Multi-instance table
Row name	VLAN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
Packets	Accounting Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Bytes	Accounting Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/GlobalPolicyCar

This table contains information about car associations running information applied to global.

XML structure

```
<MQC>
  <GlobalPolicyCar>
    <Global>
      <Direction></Direction>
      <ClassName></ClassName>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <GreenAction>
        <GreenActionType></GreenActionType>
        <GreenActionValue></GreenActionValue>
      </GreenAction>
      <YellowAction>
        <YellowActionType></YellowActionType>
        <YellowActionValue></YellowActionValue>
      </YellowAction>
      <RedAction>
        <RedActionType></RedActionType>
        <RedActionValue></RedActionValue>
      </RedAction>
      <GreenPkts></GreenPkts>
      <GreenBytes></GreenBytes>
      <YellowPkts></YellowPkts>
      <YellowBytes></YellowBytes>
      <RedPkts></RedPkts>
      <RedBytes></RedBytes>
    </Global>
  </GlobalPolicyCar>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicyCar
Table type	Multi-instance table
Row name	Global
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
CIR	Committed information rate	N/A	Unsigned integer.	N/A
CBS	Committed burst size	N/A	Unsigned integer.	N/A
EBS	Excess burst size	N/A	Unsigned integer.	N/A
PIR	Peak information rate	N/A	Unsigned integer.	N/A
GreenAction	Specify behavior for green packets	Data structure	Members include: • GreenActionType. • GreenActionValue.	
GreenActionType	Green Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	When GreenActionType is 1, send the packet. When GreenActionType is 2, remark DSCP value of the packet and send it. When GreenActionType is 3, remark IP precedence of the packet and send it. When GreenActionType is 4, remark EXP of the MPLS packet and send it. When GreenActionType is 5, remark 802.1p priority value of the packet and send it. When GreenActionType is 6, remark CLP bit of the ATM packet and send it. When

Column name	Column description	Column type	Data type and restrictions	Remarks
				GreenActionType is 7, remark DE bit of the FR packet and send it. When GreenActionType is 8, remark local precedence of the packet and send it. When GreenActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
				When GreenActionType is 1, 10 or 19, GreenActionValue is invisible. When GreenActionType is 6 or 7, GreenActionValue is 0~1. When GreenActionType is 2, GreenActionValue is 0~63. When GreenActionType is 3, 4, 5, 8, GreenActionValue is 0~7.
GreenActionValue	Green Action Value	N/A	Unsigned integer.	
YellowAction	Specify behavior for yellow packets	Data structure	Members include: • YellowActionType. • YellowActionValue.	
YellowActionType	Yellow Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass.	When YellowActionType is 1, send the packet. When YellowActionType is 2, remark DSCP value of the packet and send it. When

Column name	Column description	Column type	Data type and restrictions	Remarks
			8—remark-local-prec-pass. 10—discard. 19—continue.	YellowActionType is 3, remark IP precedence of the packet and send it. When YellowActionType is 4, remark EXP of the MPLS packet and send it. When YellowActionType is 5, remark 802.1p priority value of the packet and send it. When YellowActionType is 6, remark CLP bit of the ATM packet and send it. When YellowActionType is 7, remark DE bit of the FR packet and send it. When YellowActionType is 8, remark local precedence of the packet and send it. When YellowActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
YellowActionValue	Yellow Action Value	N/A	Unsigned integer.	When YellowActionType is 1, 10 or 19, YellowActionValue is invisible. When YellowActionType is 6 or 7, YellowActionValue is 0~1. When YellowActionType is 2,

Column name	Column description	Column type	Data type and restrictions	Remarks
				YellowActionValue is 0~63. When YellowActionType is 3, 4, 5, 8, YellowActionValue is 0~7.
RedAction	Specify behavior for red packets	Data structure	Members include: • RedActionType. • RedActionValue.	
RedActionType	Red Action Type	N/A	Enumeration: • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue.	When RedActionType is 1, send the packet. When RedActionType is 2, remark DSCP value of the packet and send it. When RedActionType is 3, remark IP precedence of the packet and send it. When RedActionType is 4, remark EXP of the MPLS packet and send it. When RedActionType is 5, remark 802.1p priority value of the packet and send it. When RedActionType is 6, remark CLP bit of the ATM packet and send it. When RedActionType is 7, remark DE bit of the FR packet and send it. When RedActionType is 8, remark local precedence of the packet and send it. When RedActionType is

Column name	Column description	Column type	Data type and restrictions	Remarks
				10, drop the packet. When GreenActionType is 19, continue to process the packet.
RedActionValue	Red Action Value	N/A	Unsigned integer.	When RedActionType is 1, 10 or 19, RedActionValue is invisible. When RedActionType is 6 or 7, RedActionValue is 0~1. When RedActionType is 2, RedActionValue is 0~63. When RedActionType is 3, 4, 5, 8, RedActionValue is 0~7.
GreenPkts	Number of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
GreenBytes	Bytes of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowPkts	Number of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowBytes	Bytes of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedPkts	Number of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedBytes	Bytes of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/GlobalPolicyAccount

This table contains information about accounting running information applied to global.

XML structure

```
<MQC>
  <GlobalPolicyAccount>
    <Global>
      <Direction></Direction>
      <ClassName></ClassName>
      <Packets></Packets>
      <Bytes></Bytes>
    </Global>
  </GlobalPolicyAccount>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicyAccount
Table type	Multi-instance table
Row name	Global
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: • 0—Inbound. • 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
Packets	Accounting Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Bytes	Accounting Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A