# The Define and Delete Commands

This chapter describes use of the **define** and **delete** commands to create and delete network-wide constructs for network management. These include filter conditions (for bridge, IP, and IPX traffic), traffic profiles, and multicast groups. The commands are described in the following sections:

define filter-type ID expression Define Traffic Filters

**define tprof** *ID* **max-rate** *bits/sec* [*arguments*] Define Traffic Profiles

define mcast ID port-list **Define Multicast Groups** 

delete filter-type ID Delete Network-Wide Constructs

delete mcast-member ID port-list

See also the following types of **set** commands in the chapter entitled "The Set Command" and **show** commands in the chapter entitled "The Show Command":

- Traffic filter commands
- VLI workgroup commands
- Spanning-tree bridge commands

# **Define Traffic Filters**

Use the define command to create and modify filters for bridge traffic, IP traffic, or IPX traffic. A maximum of 512 filters may be defined for a node.

## define bflt ID expression

Use the **define bflt** *ID expression* command to define a bridge filter. Assign the filter identification number ID, in the range 1-65535. If ID is already in use for a bridge filter, the command overwrites the old filter without warning. Use the show bflt command to display currently defined bridge filters. The expression argument specifies values for fields in an incoming frame header. If the contents of a field match the value specified for that field in a filter condition, then a specified action is taken with the frame. The expression may be a comparison expression or a boolean expression, as described in the section entitled Filter Expressions.

Note Bridge filter conditions are applied before IP and IPX filter conditions. If a bridge filter condition forwards a packet, an IP or IPX filter may then block it.

If you define a filter that applies to an existing flow between a LAN interface and the NP, reset the LAN interface. When the interface returns to service, valid flows are re-established, but flows blocked by the filter are not.

# define ipflt ID expression

Use the define ipflt ID expression command to define an IP filter. Assign the filter identification number ID, in the range 1-65535. If ID is already in use for an IP filter, the command overwrites the old filter without warning. Use the **show ipflt** command to display currently defined IPfilters. The expression argument specifies values for fields in an incoming frame header. If the contents of a field match the value specified for that field in a filter condition, then a specified action is taken with the frame. The expression may be a comparison expression or a boolean expression, as described in the section entitled Filter Expressions.

Note Bridge filter conditions are applied before IP and IPX filter conditions. If a bridge filter condition forwards a packet, an IP or IPX filter may then block it.

**Note** 802.3/SNAP encapsulated frames cannot be filtered.

If you define a filter that applies to an existing flow between a LAN interface and the NP, reset the LAN interface. When the interface returns to service, valid flows are re-established, but flows blocked by the filter are not.

# define ipxflt ID expression

Use the **define ipxflt** ID expression command to define an IPX filter. Assign the filter identification number ID, in the range 1-65535. If ID is already in use for an IPX filter, the command overwrites the old filter without warning. Use the **show ipxflt** command to display currently defined IPX filters. The expression argument specifies values for fields in an incoming frame header. If the contents of a field match the value specified for that field in a filter condition, then a specified action is taken with the frame. The expression may be a comparison expression or a boolean expression, as described in the section entitled Filter Expressions.

Note Bridge filter conditions are applied before IP and IPX filter conditions. If a bridge filter condition forwards a packet, an IP or IPX filter may then block it.

If you define a filter that applies to an existing flow between a LAN interface and the NP, reset the LAN interface. When the interface returns to service, valid flows are re-established, but flows blocked by the filter are not.

### Related Commands

Use the following commands together with the define bflt, define ipflt, and define ipxflt commands to manage traffic filters:

- To specify the action to take if a filter is matched, use the set port command with a bflt, ipflt, or ipxflt argument. The priority argument determines the sequence in which filter conditions are considered for the specified port.
- To display currently defined filters, use the command **show** { **bflt** | **ipflt** | **ipflt** } [ID].
- To display filters associated with a specified port, plus statistics about filtered traffic, use the command show port c.p {bflt | ipflt | ipxflt} [ID].
- To break the association of a filter with a port, use the **set port** c.p. {**bflt** | **ipflt** | **ipxflt**} ID delete command.
- To delete a traffic filter after all of its associations with ports have been broken (see previous item), use the command **delete** { **bflt** | **ipflt** | **ipxflt**} *ID*.

# Filter Expressions

The arguments of a define bflt, define ipflt, or define ipxflt command include expression, a filter expression. This may be a comparison expression or a boolean expression.

#### Comparison Expressions

In a comparison expression, the value of an incoming header field is compared with a constant. A comparison expression has one of the following two forms:

```
field operator constant
(field & mask) operator constant
```

The syntax parameters field, operator, and constant, and the mask parameter with the bitwise AND operator &, are described in the following sections.

#### The field parameter

The field parameter is a built-in identifier for a field in incoming frame or packet headers. The field identifiers are not case sensitive (e.g. macsrc is equivalent to macSrc).

The *field* identifiers for bridge filters are as follows:

macSrc	MAC source address
macDst	MAC destination address
macProto	MAC protocol type
llcSSAP	LLC source SAP
llcDSAP	LLC destination SAP
snapOUI	SNAP OUI
snapProto	SNAP protocol

The *field* identifiers for IP filters are as follows:

ipSrc IP source address

**ipDst** IP destination address

**ipTOS** IP type of service

TCP/UDP source port portSrc

portDst TCP/UDP destination port

**ipProto** IP Protocol type

The field identifiers for IPX filters are as follows:

ipxDstNw Destination net

ipxSrcNw Source net

ipxDstNd Destination node

ipxSrcNd Source node

ipxDstSt Destination socket

ipxSrcSt Source socket

ipxType Packet type

#### The operator parameter

The *operator* parameter is a comparison operator.

### **Comparison Operators**

equal

not equal

greater than

greater than or equal

less than or equal

#### The constant parameter

The constant parameter on the right side of a simple comparison expression must be of the appropriate form for the built-in field on the left side of the comparison expression. The field identifiers are not case sensitive (e.g. macsrc is equivalent to macSrc).

Table 3-1 **Constants Used for Bridge Filters** 

Field	Format	Description		
macSrc	xx:xx:xx:xx:xx	MAC source address		
macDst	xx:xx:xx:xx:xx	MAC destination address		
macProto	0-65535 (0-0xffff)	MAC protocol type		
llcSSAP	0-255 (0-0xff)	LLC source SAP		
llcDSAP	0-255 (0-0xff)	LLC destination SAP		
snapOUI	0-16777215 (0-0xfffffff)	SNAP OUI		
snapProto	0-65535 (0-0xffff)	SNAP Ethernet protocol		

Colon-separated values in MAC addresses macSrc and macDst are hex digits without leading 0x, but with leading zeroes if necessary. The other constants may be entered as sequences of decimal digits (the default) or hex digits (with leading 0x).

Table 3-2 **Constants Used for IP Filters** 

Field	Format	Description		
ipSrc	nnn.nnn.nnn	IP source address		
ipDst	nnn.nnn.nnn	IP destination address		
ipTOS	0-255 (0-0xff)	IP type of service		
ipProto	0-255 (0-0xff)	IP protocol type		
portSrc	0-65535 (0-0xffff)	TCP/UDP source port		
portDst	0-65535 (0-0xffff)	TCP/UDP destination port		

Dot-separated values in IP addresses are decimal digits without leading zeroes. Other constants may be entered as sequences of decimal digits (the default) or hex digits (with leading 0x), with leading zeroes if necessary.

In the following table, x denotes a hex digit (with no leading  $\mathbf{0}\mathbf{x}$ ):

Table 3-3 **Constants for IPX Filters:** 

Field	Format	Description		
ipxDstNw	0-4294967295 (0-0xffffffff)	IPX destination network		
ipxSrcNw	0-4294967295 (0-0xffffffff)	IPX source network		
ipxDstNd	xx:xx:xx:xx:xx	IPX destination node		
ipxSrcNd	xx:xx:xx:xx:xx	IPX source node		
ipxDstSt	0-65535(0-0xffff)	IPX destination socket		
ipxSrcSt	0-65535(0-0xffff)	IPX source socket		
ipxType	0-255(0-0xff)	IPX packet type		

Colon-separated values in IPX addresses ipxDstNd and ipsSrcNd are hex digits without leading 0x, but with leading zeroes if necessary. Other constants may be entered as sequences of decimal digits (the default) or hex digits (with leading 0x).

#### The mask parameter and the & operator

You may use the *mask* parameter in a comparison expression to mask the *field* value in the incoming header field. This parameter is used in a C-style bitwise AND expression of the form (field & mask). For each bit in the field that you want to check, there should be a 1 in the mask, and for each "don't care" bit there should be a 0 in the mask. Under the == operator, described below, a 0 ("don't care") in the masked *field* value can be matched in the *constant* value only by a corresponding **0** ("don't care").

For example, with the mask **0xfff0** in the following expression, the operator == ignores the least significant digit of the macProto field, and matches a zero as the least significant digit of the constant 0x8130:

```
(macProto & 0xfff0) == 0x8130
```

The following table shows the different results of applying mask **0xfff0** or mask **0xfffe** to field value 0x8137 (the IPX value in the MAC or SNAP protocol field):

Mask	f	f	f	0	f	f	f	e
	1111	1111	1111	0000	1111	1111	1111	1110
Field	8	1	3	7	8	1	3	7
	1000	0001	0011	0111	1000	0001	0011	0111
Result	8	1	3	0	8	1	3	6
	1000	0001	0011	0000	1000	0001	0011	0110

Table 3-4 Effects of Mask fff0 and Mask fffe on a Value

#### **Boolean Expressions**

In a boolean expression, boolean operators are used to combine two or more expressions of any type. The syntax is as follows:

```
(expression) boolean-operator (expression) [...]
```

Here, boolean-operator is && (logical AND) or || (logical OR), and expression may be either a comparison expression or another boolean expression. Expressions are evaluated left to right, but because parenthesized expressions are resolved first you may in some cases force a different evaluation sequence.

### Field Values

The following tables list the most commonly used values for various fields.

#### TCP/UDP Ports and IPX Sockets

The most commonly used well-known port numbers for the TCP/UDP source or destination port, and for the IPX source or destination socket, are as follows:

Table 3	3-5 Well-Known	TCP/UE	P Port Numbers		
5	RJE	23	TELNET	75	private dial
7	ЕСНО	25	SMTP	77	private RJE
9	DISCARD	37	TIME	79	FINGER
11	USERS	39	RLP	95	SUPDUP
13	DAYTIME	42	NAMESERVER	101	HOSTNAME
15	NETSTAT	43	NICNAME	102	ISP-TSAP
17	QUOTE	53	DOMAIN	113	AUTH
19	CHARGEN	67	BOOTPS	117	UUCP-PATH

BOOTPC

TFTP

123

NTP

# IP Protocol Type

20

21

FTP-DATA

FTP

The expected values for the IP protocol type are as follows:

68

69

Table	3-6	IP Protocol Ty	pes			
1	ICMP		13	ARGUS	25	LEAF1-1
2	IGMP		14	EMCON	26	LEAF1-2
3	GGP		15	XNET	27	RDP
4	_		16	CHAOS	28	IRTP
5	ST		17	UDP	29	ISO-TP4
6	TCP		18	MUX	30	NETBLT
7	UCL		19	DCN-MEAS	31	MFE-NSP
8	EGP		20	HMP	32	MERIT-INP
9	IGP		21	PRM	33	SEP
10	BBN-R0	C-MON	22	XNS-IDP	34	3PC
11	NVP-II		23	TRUNK-1	61	host internal
12	PUP		24	TRUNK-2	62	CFTP

## Bridge MAC and SNAP Protocol Type

Typical values for the MAC and SNAP protocol type fields for bridge filters are as follows:

Table 3-7 **MAC and SNAP Protocol Types** 

0800	IP	80f3	Appletalk ARP	
809B	Appletalk	8137	IPX	

## IP TOS and IPX Packet Type

The most common values for the IP type of service and the IPX packet type are as follows:

Table 3-8 **IP TOS and IPX Packet Type** 

0x00	unknown	0x03	error packet
0x01	RIP	0x04	PEP
0x02	echo packet	0x05	SPP

# **Examples**

The following command defines bridge filter 20, which matches a value greater than or equal to 1 in the LLC source SAP field:

```
cli> define bflt 20 llcSSAP >= 1
```

The following command defines bridge filter 30, which matches any frame from the specified source MAC address so long as it is not going to the specified MAC destination address:

```
cli> define bflt 30 (macSrc == 00:dd:00:00:00:12) && (macDst != \
00:dd:00::00:76)
```

The following command defines bridge filter 40, which matches a MAC source address whose first two fields are **00:dd**, regardless of the values of the remaining four fields:

```
cli> define bflt 40 (macSrc & ff:ff:00:00:00:00) == 00:dd:00:00:00:00
```

The following command defines bridge filter 50, which matches a header whose MAC source address begins with the two fields **00:dd**, and whose MAC destination address does not.

```
cli> define bflt 50 ((macSrc & ff:ff:00:00:00:00) == 00:dd:00:00:00:00) \
&& ((macDst & ff:ff:00:00:00:00) != 00:dd:00:00:00:00)
```

The following command defines IP filter 60, which matches any packet from IP network 186:

```
cli> define ipflt 60 (ipSrc & 255.0.0.0) == 186.0.0.0
```

The following command defines IPX filter 70 identical to bridge filter 50 (defined above): it matches a header whose MAC source address begins with the two fields **00:dd**, and whose MAC destination address does not.

```
cli> define ipxflt 70 ((ipxDstNd & ff:ff:00:00:00:00) == 00:dd:00:00:00:00)\
&& ((ipxDstNd & ff:ff:00:00:00:00) != 00:dd:00:00:00:00)
```

# **Define Traffic Profiles**

Use the **define tprof** command to create or modify a traffic profile. A traffic profile is a set of type-of-service attributes that may be associated with a traffic flow when the flow is created. A flow is created by assigning a filter to an input port, optionally with an associated traffic profile and/or multicast group (see the commands set port c.p bflt, set port c.p ipflt, and set port c.p ipxflt).

**Note** The **define tprof** command requires CLI protected mode for all of its arguments except max-rate and insured-rate. (See the protected command in the "CLI Control Commands" chapter.)

**Note** A traffic profile is a network-wide construct, that is, each profile should be unique across the network. For consistency and for clarity in network management, if a traffic profile is defined on one node, it should be defined identically on all nodes in the network, whether (immediately) used there or not.

# define tprof ID max-rate

Use the **define tprof** *ID* **max-rate** { *bits/sec* | **default** } command to define or modify a traffic profile whose identification number is ID.

All arguments of this command except for the **max-rate** argument are optional.

**Note** Because of the length and number of command arguments, this command may exceed the 80-column width assumed for the screen. See the Network Operations Guide for a description of how the CLI displays command lines that are too long for the screen.

#### **Default Traffic Profile**

The default traffic profile has the following parameter values:

insured-burst 0 bytes 0 bits/sec insured-rate

max-burst 32000 bytes

max-rate Unicast: 1.2 \* smallest bottleneck in path

Multicast: 500,000 bits/sec

principal-service-type insured

1% secondary-scale

transmit-priority 0

#### max-rate

The max-rate bits/sec argument is required; it does not require protected mode. The maximum rate (in bits per second) is the upper bound on the rate of all traffic (insured and non-insured) allowed to enter the LightStream 2020 network, congestion permitting. The range is 64,000—100,000,000 bits/sec. It must be greater than the insured rate

With the string **default** as the value, the software determines the maximum rate at the time that the profile is assigned to a port. If no profile is specified, the system begins this calculation with the maximum rate allowed by the network.

- For a unicast (point-to-point) flow, the default is 1.2 times the slowest bottleneck in the circuit (including source and destination LAN ports), up to a limit as follows:
  - 12,000,000 bits/sec If the circuit originates at an Ethernet port.
  - 120,000,000 bits/sec If the circuit originates at an FDDI port.
- For a multicast (point-to-multipoint) flow, the default maximum rate is 500,000 bits/sec.

**Note** Use a value appropriate for the slowest link in the connection. For example, for an Ethernet-to-FDDI flow, set the maximum rate to 10,000. If an incorrect value is set, the software blocks the flow and issues a trap.

#### insured-burst

Use the **insured-burst** bytes parameter to set the upper bound on the non-sharable bandwidth that the LAN flow may use in bursts, that is, the amount by which it may exceed the insured rate (see **insured-rate**). The range is 0—64,000. In the default profile, this parameter is set to 0 bytes. It must be less than the max-burst parameter.

#### insured-rate

Use the **insured-rate** bits/sec parameter to set the upper bound on the non-sharable bandwidth that the LAN flow may use in a sustained way. The range is 0—100,000,000 bits per second. This parameter is set to 0 bits/sec in the default profile. It must be less than the max-rate parameter. This parameter does not require protected mode.

#### max-burst

Use the **max-burst** bytes parameter to set the upper bound on bursts of traffic allowed to enter the network from the LAN interface, that is, the amount by which this traffic may exceed the maximum rate (see **max-rate**). The range is 0-64,000. In the default profile, this parameter is set to 32,000 bytes. It must be greater than the insured burst.

#### principal-service-type

Use the **principal-service-type** {guaranteed|insured} parameter to set the relative importance of the LAN flow in the face of local congestion (cell-drop eligibility). This value indicates priority order for selective cell discard of best-effort traffic. In the default profile, this parameter is set to insured.

#### secondary-scale

Use the **secondary-scale** value parameter to set the value that is used to scale down the actual amount of bandwidth to allocate for the secondary portion of a VC's bandwidth. The range is 0-109. A value in the range 0-100 is interpreted as a percent (x/100). A value in the range 101-109 yields tenths of a percent, as follows: (x-100)/1000. For example, 2 means 2%, and 102 means 0.2%. In the default profile, this parameter is set to 1, yielding a 1% scaling factor.

#### transmit-priority

Use the **transmit-priority**  $\{0|1\}$  parameter to set a value indicating the relative priority this traffic has across the VC, end to end. This value is a factor in determining how cells are queued at each node along the VC. It also contributes to cell loss calculations. A value of 0 is lower priority, 1 is higher. The default is 0.

#### Related Commands

You will want to use the following commands together with the define command to manage traffic

- Use the **set port** c.p {**bflt**|**ipfllt**|**ipxflt**} commands to associate one and only one profile with a filter while assigning the filter to a port. The action of the filter must be forward.
- Use the **show tprof** [*ID*] command to display traffic profiles.
- Use the **show tprof default** command to display the default traffic profiles.
- Use the **delete tprof** *ID* command to delete traffic profiles.

# Example

The following example uses the **define tprof** command to define traffic profile 7:

```
*cli> define tprof 7 max-rate 77000 principal-service-type insured
*cli>
```

The following example uses the **define tprof** command to define traffic profile 16. (The command is shown wrapped to two lines. For more information about how the CLI displays lines that are too long for the screen, see the Network Operations Guide.) The first attempt to use the command fails:

```
*cli> define tprof 16 max-rate 64000 insured-rate 32000 insured-burst 40000
 principal-service-type guaranteed
Insured burst cannot be greater than 32,000 when no max-burst is entered
(because max-burst DEFAULT value is 32,000, when none is entered, and
insured-burst value can never be greater than max-burst value)
```

The error message tells us that we must either reduce the insured burst value or increase the max-burst value. We choose to reduce the insured burst value to the default maximum burst value of 32000, as follows:

```
*cli> define tprof 16 max-rate 64000 insured-rate 32000 insured-burst 32000
 principal-service-type guaranteed
*cli>
```

The following example illustrates use of the **show tprof** command to verify that traffic profiles 7 and 16 have been created:

Traffic Profile							
ID	Service-Type	Mx R	Mx B	In R	In B	S Scl	Xmt Pri
1	Insured	77000	32000	66000	0	1	0
2	Insured	122000	32000	0	0	1	0
7	Insured	77000	32000	0	0	1	0
16	Guaranteed	64000	32000	32000	30000	1	0
*cli>							

# **Define Multicast Groups**

Use the **define** command to create or modify a multicast group.

**Note** A multicast group is a network-wide construct, that is, each multicast group must be unique across the network. To minimize confusion in network management, if a multicast group is defined on one node, it should be defined consistently on all nodes in the network, whether (immediately) used there or not.

### define mcast

Use the **define mcast** *ID* [node:]c.p[[node:]c.p ...] command to define a multicast group. A multicast group is a list of LAN ports on nodes in the network. Traffic that matches an associated filter condition is sent to each member of the group. Only one multicast group may be associated with any given filter on a given port, and the action of the filter must be forward.

The arguments are as follows:

#### ID

The identification number by which the filter is identified, in the range 1-255. If *ID* is already in use for a multicast group on the current node, the command adds the specified ports to the old multicast group definition. (A repeated port specification is ignored.) Use the **show mcast** command to display currently defined multicast groups.

#### [node: ]c.p[[node:]c.p...]

A list of one or more LAN ports. Different LAN media (e.g. Ethernet and FDDI) may be combined in one list. The value of *node* is the node name (alias) or chassis ID of a node, and *c.p* is port p on card c on that node. If node: is not specified, the port is on the current node. Up to 48 multicast groups may be defined with each use of the **define** command.

**Note** It is possible to include non-LAN ports in a multicast group, but of course multicast traffic cannot be delivered to such ports.

**Note** Because of the length and number of command arguments, this command may exceed the 80-column width assumed for the screen. See the Network Operations Guide for a description of how the CLI displays long command lines.

### Related Commands

You will want to use the following commands together with the **define mcast** command to manage multicast groups:

- Use the **set port** c.p {**bflt|ipfilt|ipxflt**} commands to associate a multicast group and its traffic profile with a filter while assigning the filter to a port. The filter action must be forward.
- Before a multicast group can be modified (redefined) or deleted, you must use a set port command to break its association with a filter on every port for which that association has been made. There are two ways to do this. To delete the filter, use the following command:

```
set port c.p {bflt|ipfilt|ipxflt} ID delete
```

To retain the filter on that port but delete the multicast group, there is no need to delete the filter first. Just repeat the same set port c.p filter-type command that made the association of the filter to the port, omitting the multicast group arguments, as follows:

```
set port c.p {bflt|ipfilt|ipxflt} ID action priority
```

- Use the **show mcast** command to display multicast groups.
- Use the **delete mcast** command to delete a multicast group. Use the **delete mcast-member** command to delete member ports from a multicast group.
- If the specified ID has already been defined, the **define meast** command adds the following list of one or more new ports to the already defined multicast group.

# **Delete Network-Wide Constructs**

Use the **delete** command to delete a filter, traffic profile, or multicast group that has been created with the define command.

#### delete bflt

Use the **delete bflt** *ID* command to delete a bridge filter. *ID* is the identifier of a bridge filter previously created with the define command.

### delete ipflt

Use the **delete ipflt**/D command to delete an IP filter. ID is the identifier of an IP filter previously created with the define command.

# delete ipxflt

Use the **delete ipxflt**ID command to delete an IPX filter. ID is the identifier of an IPX filter previously created with the **define** command.

#### delete mcast

Use the **delete mcast** ID command to delete a multicast group. ID is the identifier of a multicast group previously created with the define command.

### delete tprof

Use the **delete tprof** *ID* command to delete a traffic profile. *ID* is the identifier of a traffic profile previously created with the **define** command.

#### delete mcast-member

Use the **delete meast-member** ID [node:]c.p[node:]c.p ...] command to delete a member or a list of members from a multicast group without deleting the group itself. ID is the identifier of a multicast group previously created with the **define** command. The port list is specified as [node:] $c \cdot p$ [ [node:] $c \cdot p$  ...]. If node is specified, the port is on a node in the network, identified by its node name (alias) *node* or its chassis ID *node*. Each port *c.p* is port *p* on card *c* on that node. If *node*: is not specified, the port is on the current node.

# Description

Delete a filter condition, traffic profile, or multicast group previously created with a **define** command. If the filter, multicast group, or traffic profile has been assigned to a port with a set port c.p /bflt|ipflt|ipxflt} ID command, it cannot be deleted until the association is broken with the set port c.p {bflt|ipflt|ipxflt} ID delete command.

- Use the command **define bflt** ID expression to associate a filter ID with a specific set of filter conditions.
- Use the command **show bflt** [*ID*] to display all currently defined filters.
- Use the command **show port** c.p **bflt** [ID] to display currently defined filters on a per-port basis.
- Use the command **set port** c.p **bflt** ID priority action to assign a filter to a port and to specify the sequence in which filter conditions are considered for the specified port and the action to take if a filter is matched.
- Use the command set port c.p bflt ID delete to break the association of a filter with a port.

cli> show tprof

Traffic Profile							
ID	Service-Type	Max R	Max B	Ins R	Ins B	S Scl	Xmt Pri
1	Insured	77000	32000	66000	0	1	0
2	Insured	122000	32000	0	0	1	0
3	Insured	Default	32000	0	0	1	0
7	Insured	77000	32000	0	0	1	0
16	Guaranteed	64000	32000	32000	30000	1	0
cli> delet	te tprof 1						
cli> show	tprof						
Traffic Profile							
ID	Service-Type	Max R	Max B	Ins R	Ins B	S Scl	Xmt Pri
2	Insured	122000	32000	0	0	1	0
3	Insured	Default	32000	0	0	1	0
7	Insured	77000	32000	0	0	1	0
16	Guaranteed	64000	32000	32000	30000	1	0
cli>							