# Zone - Gw Trunk Group

In this section:


- To View Gw Trunk Group
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- To Create Gw Trunk Group
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- To Delete Gw Trunk Group


Related articles:

- Gw Trunk Group - CAC
- Gw Trunk Group - Call Reservation
- Gw Trunk Group - Ingress Ip Prefix
- Gw Trunk Group - Media
- Gw Trunk Group - Packet Outage

Use this object to configure Gateway Trunk Group parameters.

**Note**
The SBC 52x0 and SBC 7000 systems support creating IP Interface Groups containing sets of IP interfaces that are not "processor friendly" (i.e. carried on physical Ethernet ports served by separate processors). However, restrictions exist regarding the usage of such Interface Groups.

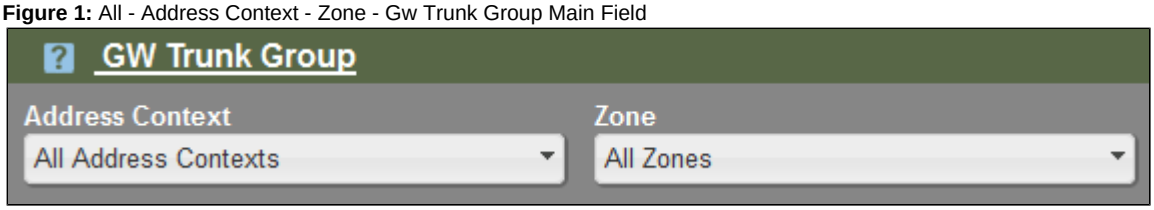
(This ability does not apply to the SBC 51x0 and SBC 5400 systems which have only two physical media ports. IP interfaces from the two physical ports may be configured within the same IP Interface Groups without restriction.)

For complete details, refer to Configuring IP Interface Groups and Interfaces.

## To View Gw Trunk Group

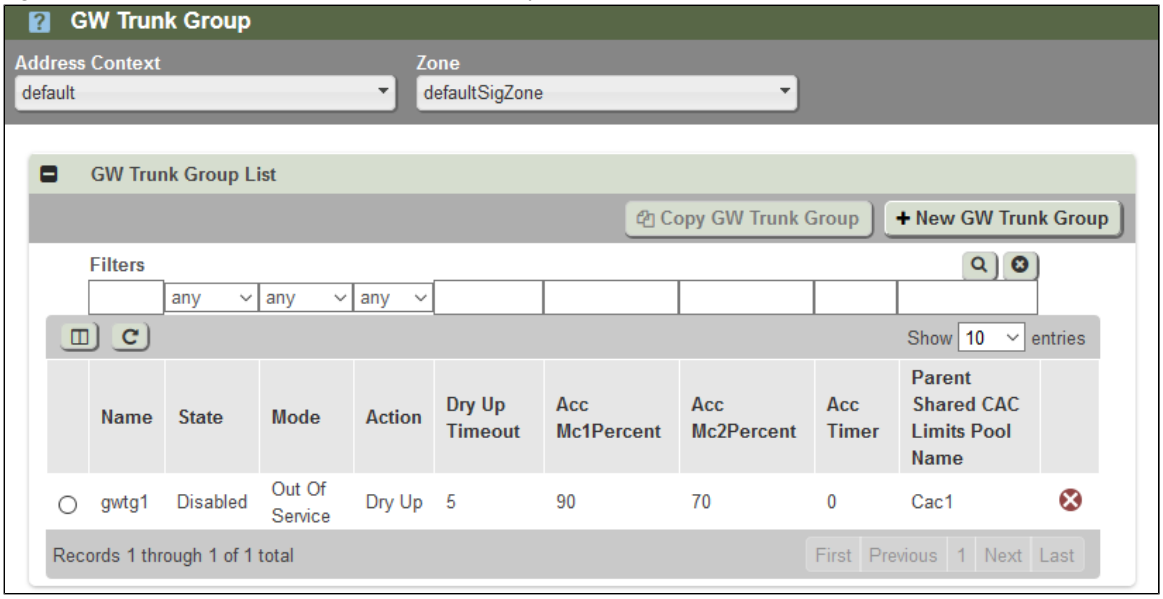
On SBC main screen, navigate to **All** > **Address Context** > **Zone** > **Gw Trunk Group**. The Gw Trunk Group can be checked for each Address Context and Zone or for all the Address Contexts and Zones created. Use the drop-down box to select the desired Address Context and Zone.

**Figure 1:** All - Address Context - Zone - Gw Trunk Group Main Field




The **Gw Trunk Group** window is displayed

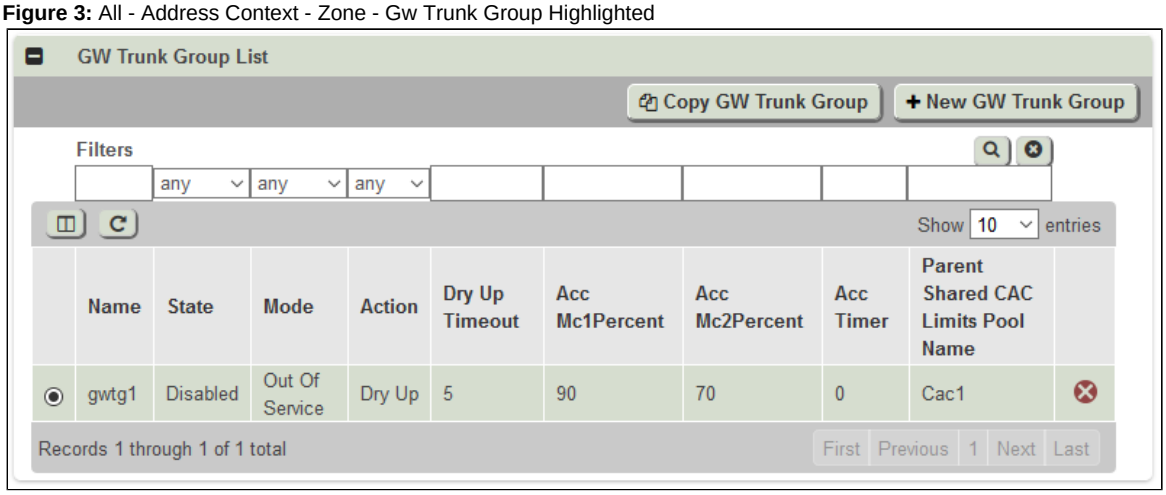
**Figure 2:** All - Address Context - Zone - Gw Trunk Group



## To Edit Gw Trunk Group

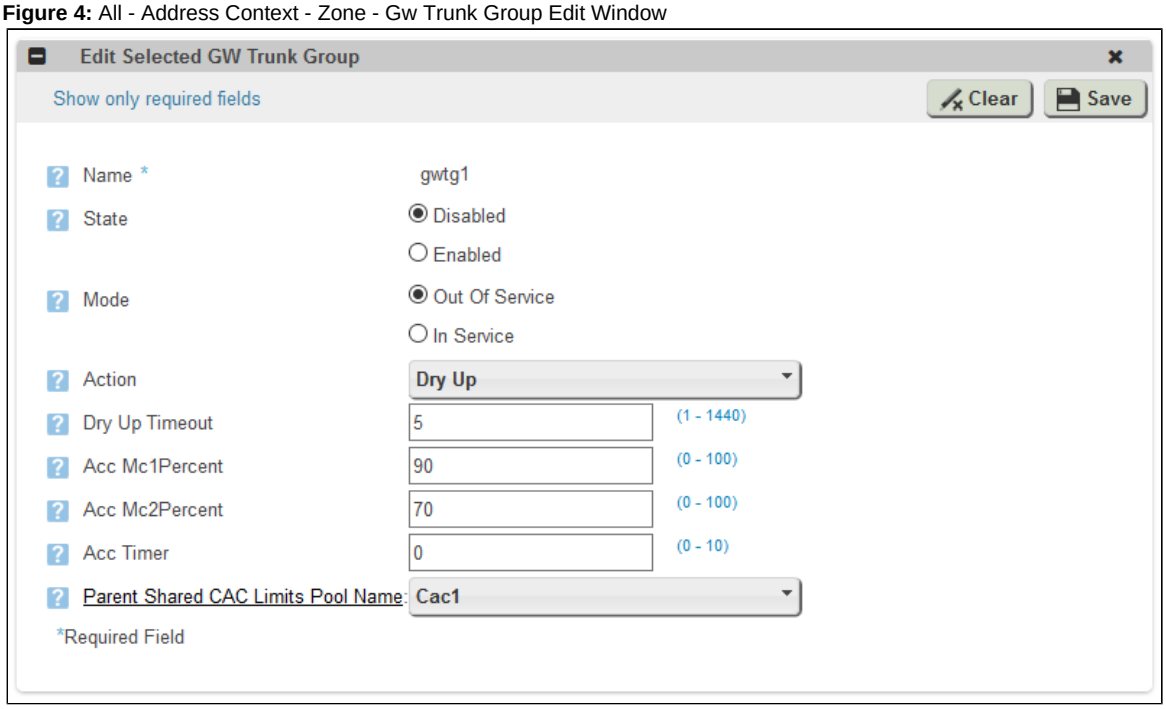
To edit any of the Gw Trunk Group in the list, click the radio button next to the specific Gw Trunk Group name.

**Figure 3:** All - Address Context - Zone - Gw Trunk Group Highlighted




The **Edit Selected Gw Trunk Group** window is displayed below.

**Figure 4:** All - Address Context - Zone - Gw Trunk Group Edit Window

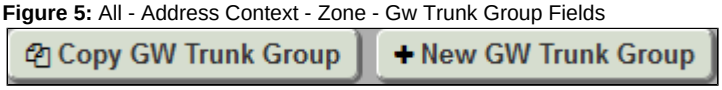



Make the required changes and click **Save** at the right hand bottom of the panel to save the changes made.

## To Create Gw Trunk Group

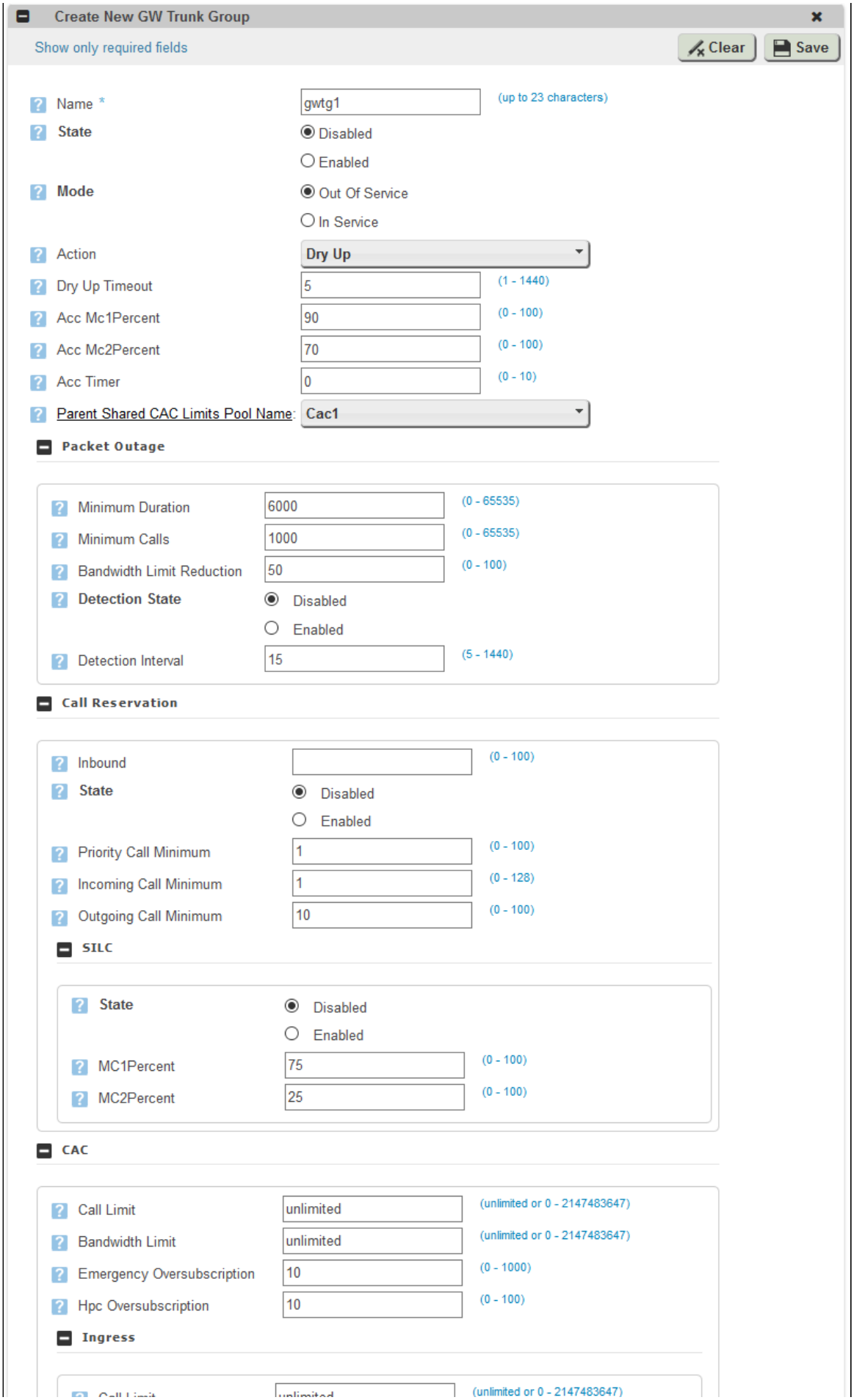
To create a new Gw Trunk Group, click **New Gw Trunk Group** tab on the Gw Trunk Group List panel.

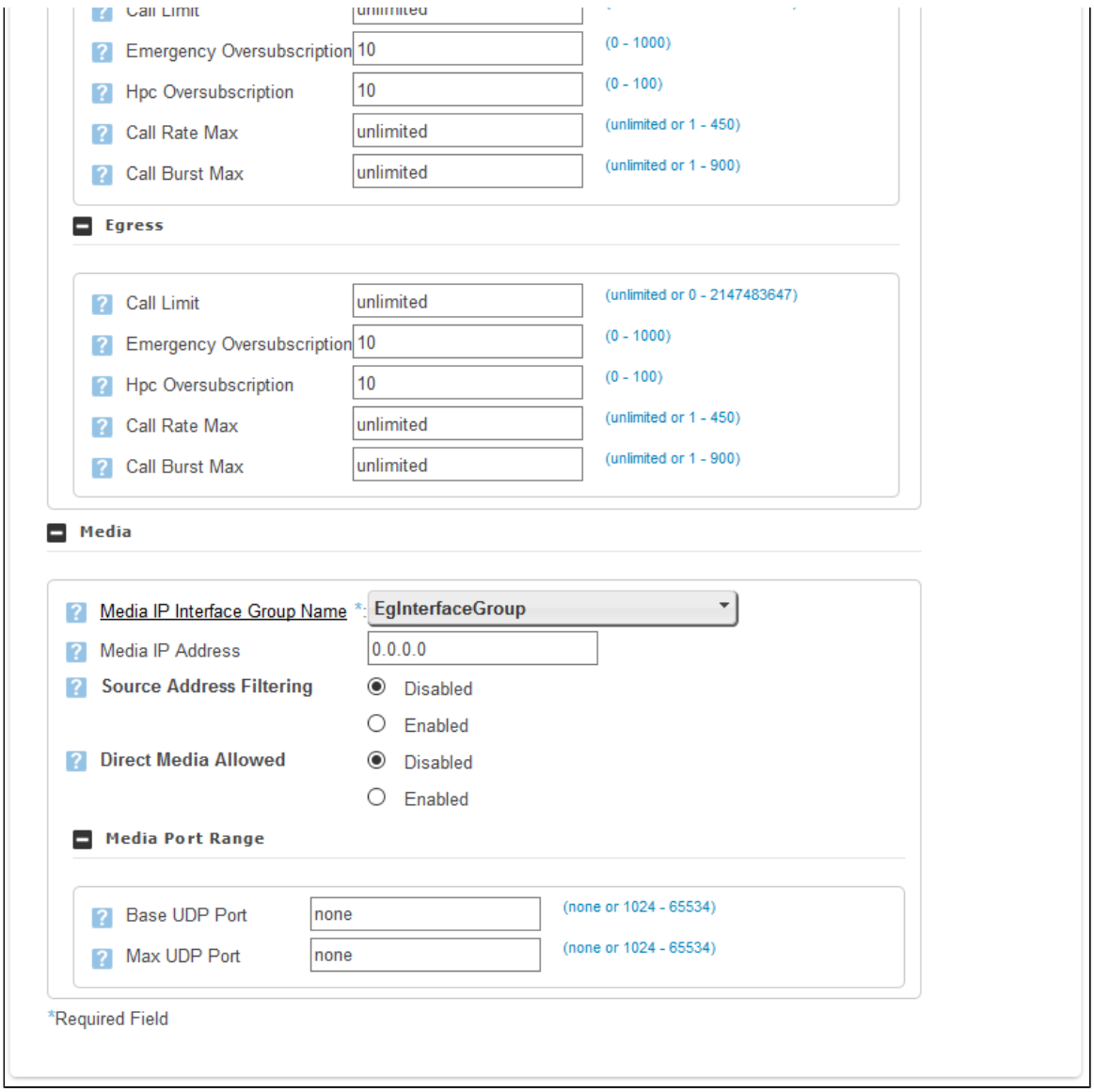
**Figure 5:** All - Address Context - Zone - Gw Trunk Group Fields




The **Create New Gw Trunk Group** window is displayed.

**Figure 6:** All - Address Context - Zone - Gw Trunk Group Create Window


Create New GW Trunk Group
Show only required fields
Clear
Save
Name *
gwtg1
(up to 23 characters)
State
Disabled
Enabled
Mode
Out Of Service
In Service
Action
Dry Up
Dry Up Timeout
5
(1 - 1440)
Acc Mc1Percent
90
(0 - 100)
Acc Mc2Percent
70
(0 - 100)
Acc Timer
0
(0 - 10)
Parent Shared CAC Limits Pool Name:
Cac1
Packet Outage
Minimum Duration
6000
(0 - 65535)
Minimum Calls
1000
(0 - 65535)
Bandwidth Limit Reduction
50
(0 - 100)
Detection State
Disabled
Enabled
Detection Interval
15
(5 - 1440)
Call Reservation
Inbound
(0 - 100)
State
Disabled
Enabled
Priority Call Minimum
1
(0 - 100)
Incoming Call Minimum
1
(0 - 128)
Outgoing Call Minimum
10
(0 - 100)
SILC
State
Disabled
Enabled
MC1Percent
75
(0 - 100)
MC2Percent
25
(0 - 100)
CAC
Call Limit
unlimited
(unlimited or 0 - 2147483647)
Bandwidth Limit
unlimited
(unlimited or 0 - 2147483647)
Emergency Oversubscription
10
(0 - 1000)
Hpc Oversubscription
10
(0 - 100)
Ingress
(unlimited or 0 - 2147483647)




The following fields are displayed:

**Table 1:** Gw Sig Trunk Group Parameters

| Parameter | Description |
|---|---|
| `Name` | Specifies the name of the Gateway Trunk Group. |
| `State` | The administrative state of the gateway trunk group:<br>• `Disable` (default)<br>• `Enable` |
| `Mode` | The operational mode of the gateway trunk group:<br>• `Out of Service`<br>• `In Service` |

| | |
|---|---|
| Action | The action when putting this gateway trunk group out Of Service. This object controls whether calls are forced off or allowed to dry up upon a mode out-of-service. Select any one of the option:<br>• Dryup (default)<br>• Force<br>• Undefined |
| Dryup Timeout | Dry up timeout (in minutes) when this gateway trunk group is out Of Service with dry up action. Enter a value in the range of 0-1440. Default is 5 minutes. |
| Acc MC1Percent | The percentage of calls to continue to send to a remote congested gateway (in MC1). Enter value in range of 0-100 percent. Default is 90 percent. |
| ACC MC2Percent | The percentage of calls to continue to send to a remote congested gateway (in MC2). Enter value in range of 0-100 percent. Default is 70 percent. |
| ACC Timer | Specifies the automatic congestion control timer. Enter value in range of 0-10. Default is 0. |
| Parent Shared CAC Limits Pool Name | Name of an existing Shared CAC Limits Pool that you assign as the parent of the Gateway Trunk Group. |
| **Packet Outage** | |
| Minimum Duration | This is the outage (in milliseconds) on a call for that call to be counted as part of the packet outage detection algorithm. Enter value in range of 0-65535 in milliseconds. Default is 6000 milliseconds. |
| Calls | The number of calls with outages required within the current interval to declare a packet outage event. Enter value in range of 0-65535. Default is 1000. |
| Bandwidth Limit Reduction | The amount to reduce the bandwidth limit (as a percentage of the configured limit) when a packet outage is detected. Enter value in range of 0-100 percent. Default is<br>50 percent. |
| Detection State | Used to enable automatic bandwidth reduction when a packet outage is detected. Select any one of the option:<br>• Disabled (default)<br>• Enabled |
| Detection Interval | The size of the packet outage detection interval in minutes. Enter value in range of 5- 1440 minutes. Default is 15 minutes. |
| **Call Reservation** | |
| Inbound | The percent of channels reserved for inbound calls in IP gateway trunk groups. Must be 0-100, in increments of 5. Default is 0. |
| State | The administrative state of the packet outage:<br>• Disabled (default)<br>• Enabled |
| Priority Call | The number of priority call resources (circuits or IP calls) to be reserved for this trunk group. Must be 0-100, default is 1. |
| Incoming Call | The number of incoming call resources (circuits or IP calls) to be reserved for this trunk group. Must be 0-128, default is 1. |

| | |
|---|---|
| Outgoing Call | The percentage of outgoing call resources (circuits or IP calls) to be reserved for this trunk group.<br><br>This percentage is applied to the total number of circuits less the circuits reserved for incoming calls less the circuits reserved for priority calls. Must be 0-100, default is 10%. |
| **SILC** | |
| State | The Administrative state of the SILC traffic control. Select any one of the option:<br><br>• Disabled (default)<br>• Enabled |
| MC1Percent | The percentage of calls to accept when the machine congestion level is 1. Enter value in range of 0-100 percent. Default is 75. |
| MC2Percent | The percentage of calls to accept when the machine congestion level is 2. Enter value in range of 0-100 percent. Default is 25. |
| **CAC** | |
| Call Limit | Total number of concurrent calls (0-2147483647, or unlimited), either ingress or egress, that are allowed (default=Unlimited). |
| Bandwidth Limit | The total media bandwidth limit (0-2147483647, or unlimited), in Kbits/sec ( default=Unlimited). |
| Emergency Oversubscription | The percentage (0-1000) of resource oversubscription allowed for emergency calls (default=10). |
| Hpc Oversubscription | This parameter specifies the amount of resource over-subscription as a percentage (0-100), that is allowed for HPC. When the baseline call limit and bandwidth limit are reached, normal calls are not admitted, but additional HPC are allowed up to the configured percentage value (default=10). |
| **Egress** | |
| Call Limit | Total number of concurrent calls (0-2147483647, or unlimited) that are allowed on egress (default=Unlimited). |
| Emergency Oversubscription | The percentage (0-1000) of resource oversubscription allowed for emergency calls (default=10). |
| Hpc Oversubscription | This parameter specifies the amount of resource over-subscription as a percentage (0-100), that is allowed for HPC. When the baseline call limit and bandwidth limit are reached, normal calls are not admitted, but additional HPC are allowed up to the configured percentage value (default=10). |
| Call Rate Max | Maximum (SBC 5000: 1-450, or unlimited; SBC 7000: 1-1350, or unlimited) sustained egress call rate allowed in calls per second.<br><br>**Note**: You can set both Call Burst Max and Call Rate Max as "unlimited"; however, if you assign a value to one parameter, the other must also be assigned a value. |
| Call Burst Max | Maximum (SBC 5000: 1-900, or unlimited; SBC 7000: 1-2700, or unlimited) allowed burst size (above the allowed sustained rate) for ingress call attempts, in calls per second (default=unlimited). |
| **Ingress** | |

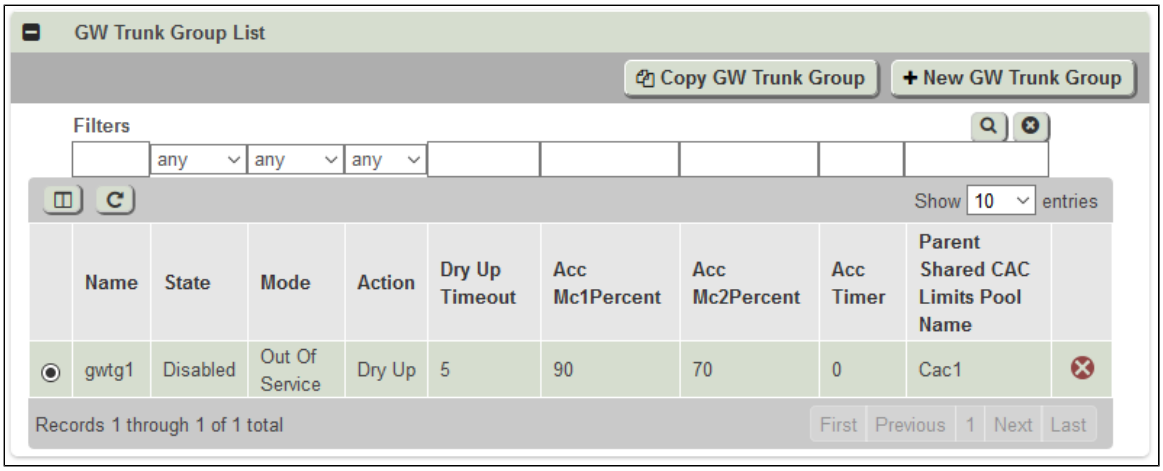
| | |
|---|---|
| Call Limit | Total number of concurrent calls (0-2147483647, or unlimited) that are allowed on ingress (default=Unlimited). |
| Emergency Oversubscription | The percentage (0-1000) of resource oversubscription allowed for emergency calls (default=10). |
| Hpc Oversubscription | This parameter specifies the amount of resource over-subscription as a percentage (0-100), that is allowed for HPC. When the baseline call limit and bandwidth limit are reached, normal calls are not admitted, but additional HPC are allowed up to the configured percentage value (default=10). |
| Call Rate Max | Maximum (SBC 5000: 1-450, or unlimited; SBC 7000: 1-1350, or unlimited) sustained ingress call rate allowed in calls per second.<br>**Note**: You can set both Call Burst Max and Call Rate Max as "unlimited"; however, if you assign a value to one parameter, the other must also be assigned a value. |
| Call Burst Max | Maximum (SBC 5000: 1-900, or unlimited; SBC 7000: 1-2700, or unlimited) allowed burst size (above the allowed sustained rate) for ingress call attempts, in calls per second (default=unlimited). |
| **Media** | |
| Media IP Interface Group Name | Interface group to be used for media. |
| Source Address Filtering | If enabled, filter out incoming media packets which do not match the expected source IP address and UDP port. |
| Direct Media Allowed | Specifies whether to enable the direct-media path so that media flows directly between endpoints in the same direct-media group or not. The options are:<br>• Disabled (default)<br>• Enabled |

**Note**
Call policing, using Call Rate Max and Call Burst Max, is applicable only to normal and emergency calls, and not to high priority calls (HPC).

## To Copy Gw Trunk Group

To copy any of the created Gw Trunk Group and to make any minor changes, click the radio button next to the specific Gw Trunk Group to highlight the row.

**Figure 7:** All - Address Context - Zone - Gw Trunk Group Highlighted

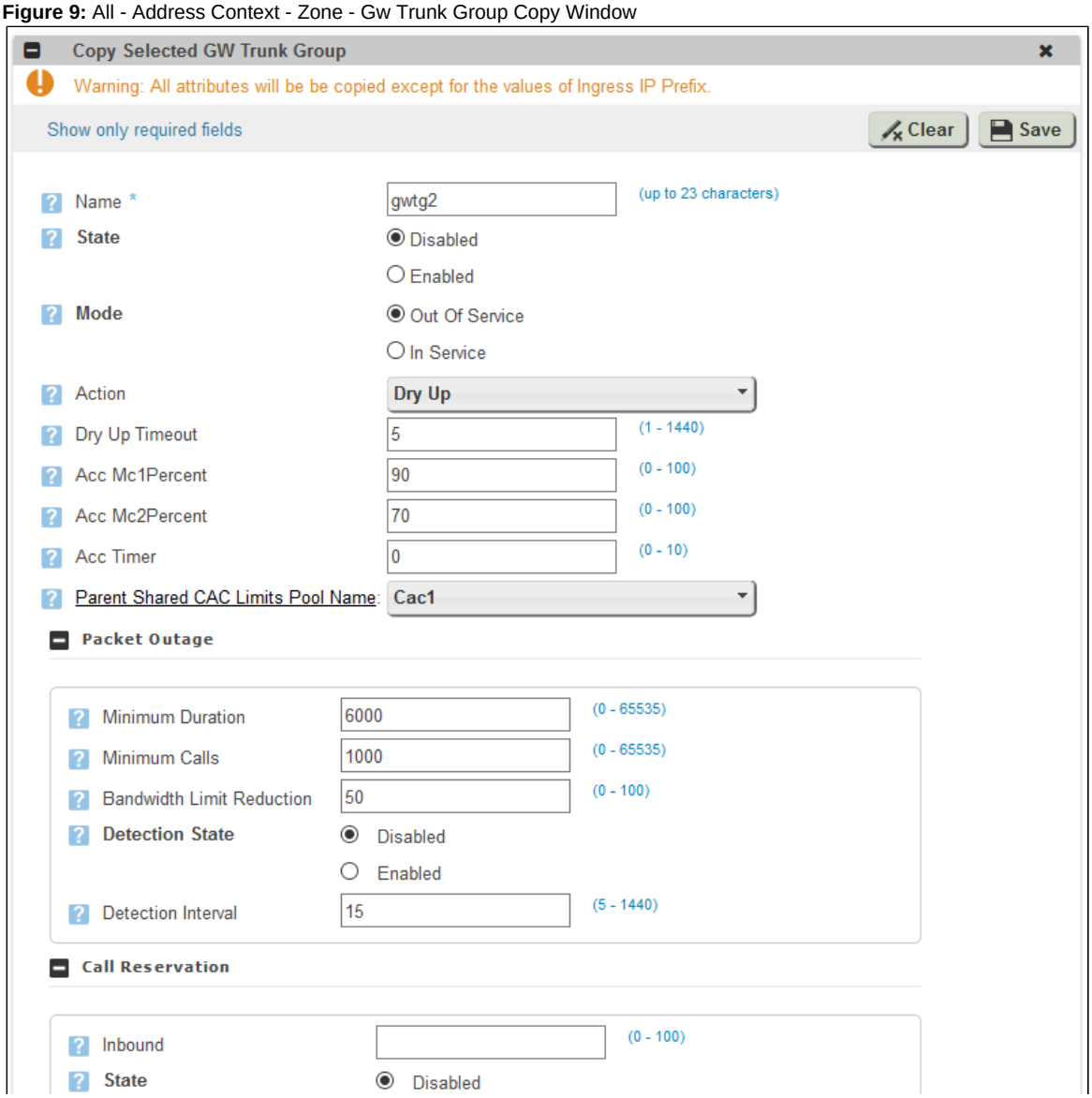


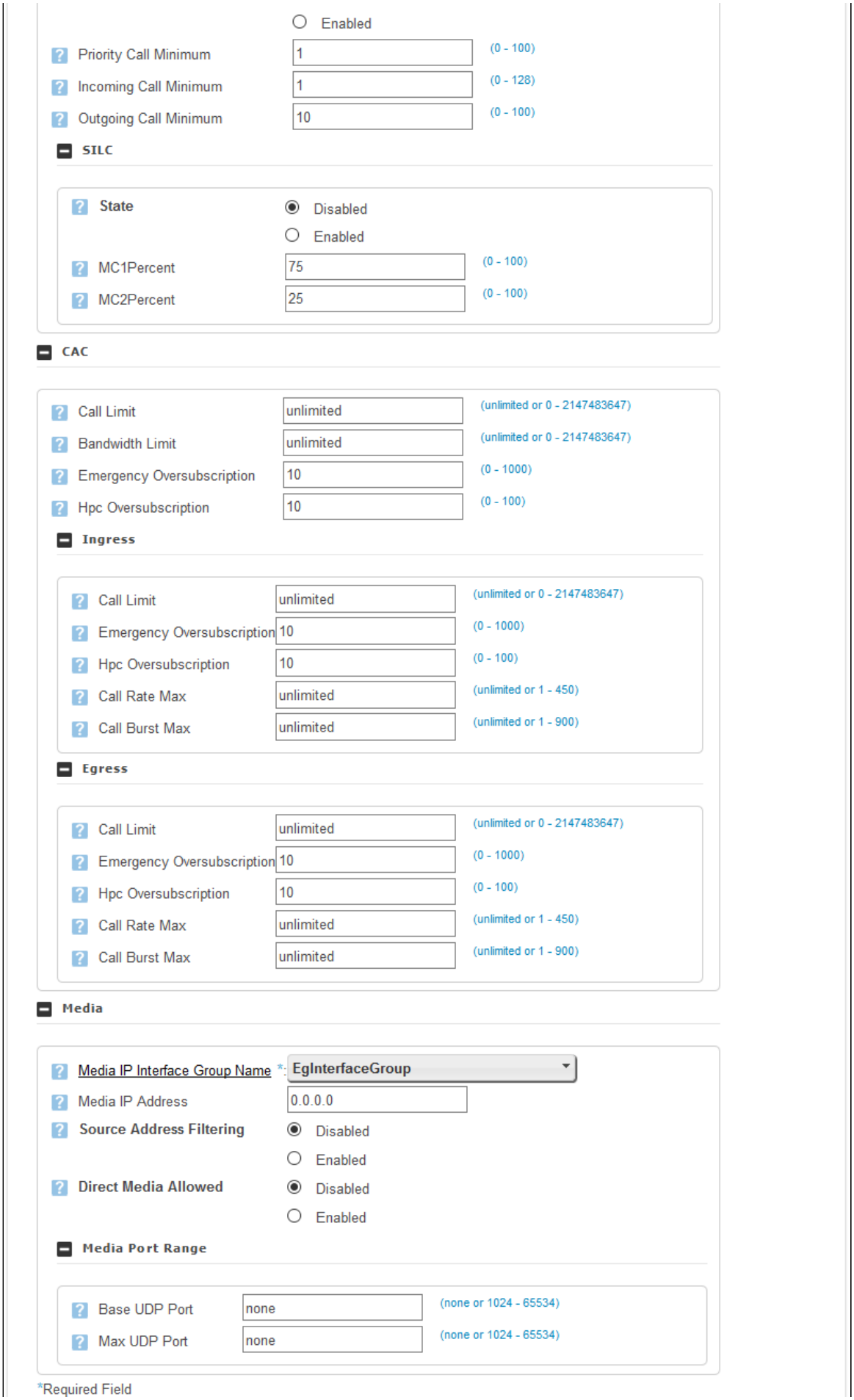

Click **Copy Gw Trunk Group** tab on the Gw Trunk Group List panel.

**Figure 8:** All - Address Context - Zone - Gw Trunk Group Fields


The **Copy Selected Gw Trunk Group** window is displayed along with the field details which can be edited.

**Figure 9:** All - Address Context - Zone - Gw Trunk Group Copy Window



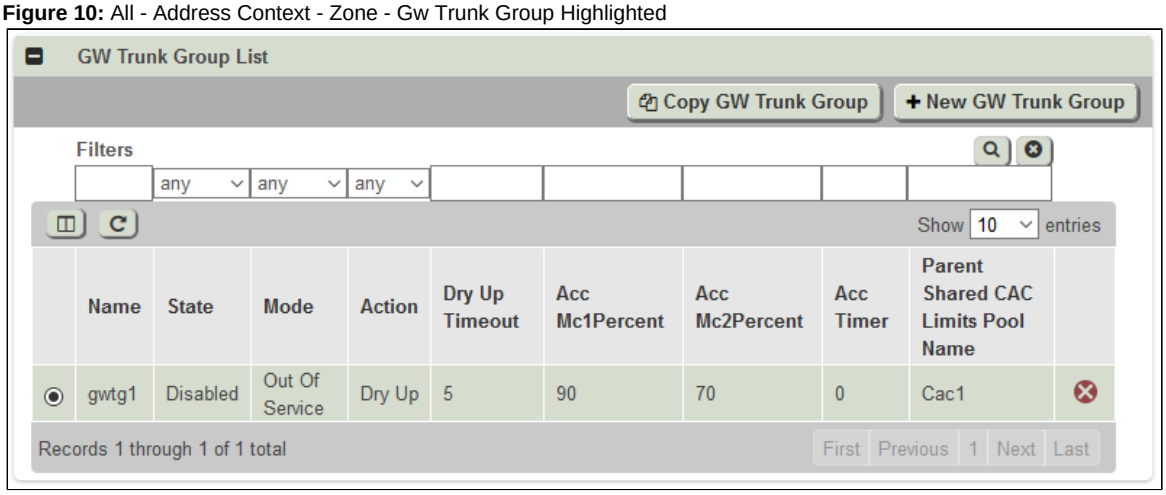

Enabled
Priority Call Minimum 1 (0 - 100)
Incoming Call Minimum 1 (0 - 128)
Outgoing Call Minimum 10 (0 - 100)
SILC
State Disabled Enabled
MC1Percent 75 (0 - 100)
MC2Percent 25 (0 - 100)
CAC
Call Limit unlimited (unlimited or 0 - 2147483647)
Bandwidth Limit unlimited (unlimited or 0 - 2147483647)
Emergency Oversubscription 10 (0 - 1000)
Hpc Oversubscription 10 (0 - 100)
Ingress
Call Limit unlimited (unlimited or 0 - 2147483647)
Emergency Oversubscription 10 (0 - 1000)
Hpc Oversubscription 10 (0 - 100)
Call Rate Max unlimited (unlimited or 1 - 450)
Call Burst Max unlimited (unlimited or 1 - 900)
Egress
Call Limit unlimited (unlimited or 0 - 2147483647)
Emergency Oversubscription 10 (0 - 1000)
Hpc Oversubscription 10 (0 - 100)
Call Rate Max unlimited (unlimited or 1 - 450)
Call Burst Max unlimited (unlimited or 1 - 900)
Media
Media IP Interface Group Name *: EgInterfaceGroup
Media IP Address 0.0.0.0
Source Address Filtering Disabled Enabled
Direct Media Allowed Disabled Enabled
Media Port Range
Base UDP Port none (none or 1024 - 65534)
Max UDP Port none (none or 1024 - 65534)
*Required Field

Make the required changes to the required fields and click **Save** to save the changes. The copied Gw Trunk Group is displayed at the bottom of the original Gw Trunk Group in the Gw Trunk Group List panel.

## To Delete Gw Trunk Group

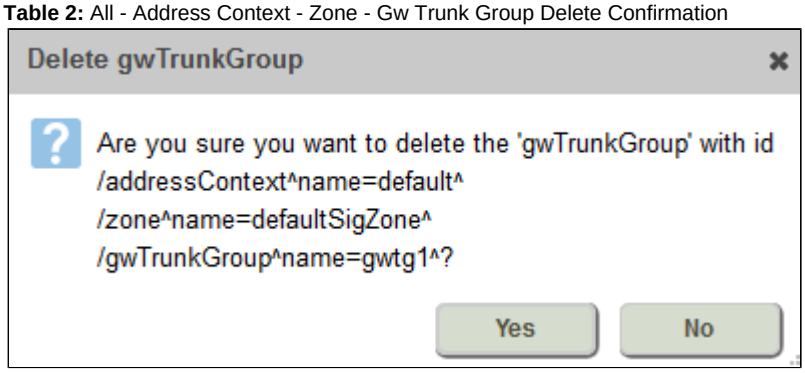
To delete any of the created Gw Trunk Group, click the radio button next to the specific Gw Trunk Group which you want to delete.

**Figure 10:** All - Address Context - Zone - Gw Trunk Group Highlighted




Click **Delete** at the end of the highlighted row. A delete confirmation message appears seeking your decision.

**Table 2:** All - Address Context - Zone - Gw Trunk Group Delete Confirmation




Click **Yes** to remove the specific Gw Trunk Group from the list.