

OVERVIEW

Conference Call The Conference Call feature for IP5000 Series telephones enables a user to establish a conversation with two or more parties. The party that initiates the conference is considered the conference master and may add a new party or drop the last added party. Parties other than the conference master may not add a new party.

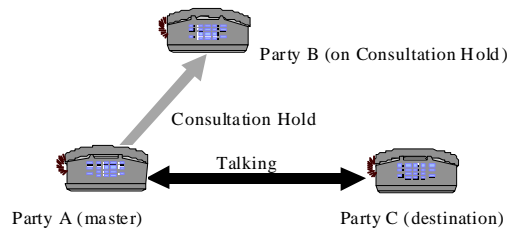
Some models of SIP telephones, including the Toshiba IP4100 Series, also have their own built-in conference feature. Please refer to the device documentation for description and programming instructions.

Conference initiation During a two-way conversation, either party may place the other party on Consultation Hold, if this capability or signaling is available. When the initiator makes a new call and establishes a conference, the initiator becomes the conference master.

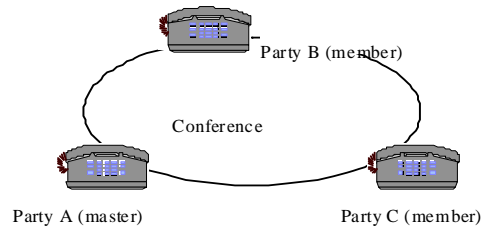
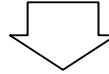
The conference master may place a conference on Consultation Hold to make additional calls and establish a larger conference by retrieving the conference from Consultation Hold. The conference master may establish a conference of up to eight parties total (including the master), each of which may be on a public or private network.

The station buttons labeled **HOOK**, **FLASH**, or **CONF** buttons during the eight-way conference are disabled.

The following figure depicts how a 3-way conference is established:



Party A placed Party B on Consultation Hold and is talking to Party C



PARTY A retrieves Party B from Consultation Hold and establishes a conference as a conference master.

Figure 1 - Establishing a 3-way Conference Call

The following figure depicts how a partial 8-way conference is established:

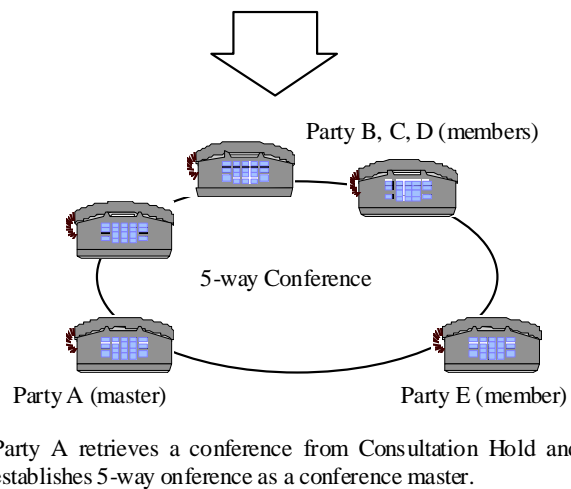
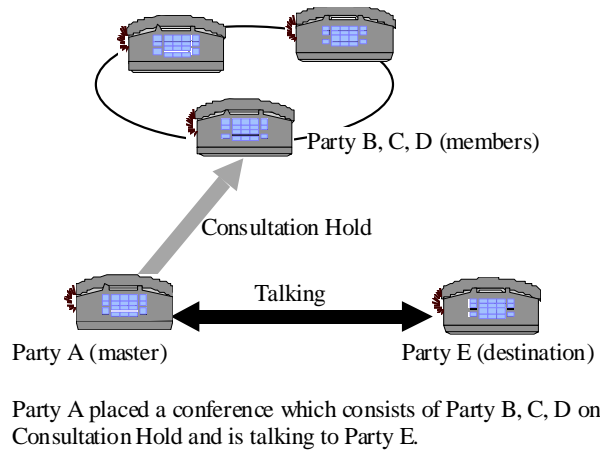


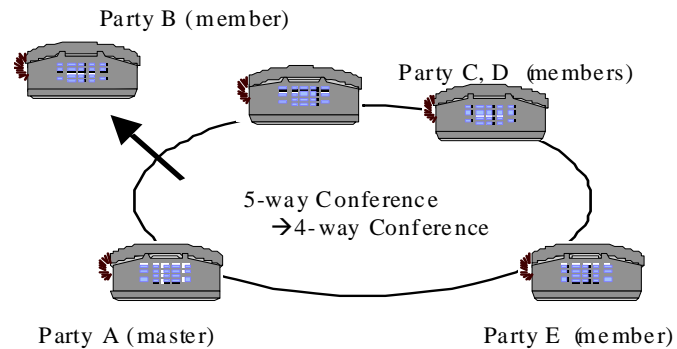
Figure 2 - Establishing an 8-way Conference Call

Withdrawal from the conference

Any party may drop from a conference by hanging up; the other parties will remain on the call. When only two parties remain in the conversation, the system will treat the call as a two-way connection.

If the conference master hangs up, the first party added to the call (if qualified) becomes the new conference master and controls the conference call and parties. If any remaining party is not qualified to be a conference master, the conversation will continue but no callers may add a new party. If the remaining parties in the conference are all trunks and a Tandem Connection is not allowed by COS, the conference is immediately terminated.

The following figure shows an example where one member hangs up during a 5-way conference.



Party A retrieves a conference from Consultation Hold and establishes 5-way conference as a conference master.

Figure 3 - Creating a Conference

Conference Participants

The conference initiator may be any station (IPT/Attendant) in the system. The remote party connected via IPedge connection may be an initiator as well (if an appropriate protocol is available.) The remote party connected via IPedge connection may not be a conference master in nodes outside the currently attached node. Conference participants may be any station type (IPT/Attendant, SIP station, or SLT connected via gateway), or any trunk type (SIP trunk, CO, DID, ISDN, or T1 connected via gateway).

An external paging device may also be a conference participant, and is treated as a SIP station.

For remote node party, see [PC Attendant](#).

Algorithm to Allocate Conference Circuit

When a conference is successfully established, the system allocates a certain number of conference channels so that each participant may speak to and hear other parties. The system is usually equipped with one Media Server.

Each system has a fixed number of Media Server channels (see the capacities in the General Description.) Media Server channels are used for conferencing, Music on Hold, paging, and tone generation features. If a media server channel is unavailable when attempting to establish a conference call, a reorder tone will be generated.

Note: Features using generating tone or paging may not be used if all channels are assigned for the conference.

Behavior if Media Server Faults

Make Busy: If the Media Server goes into Make Busy state due to a system fault, a new resource for the conference may not be hunted and conference call initiation will be denied.

Conference: If the Media Server goes into fault state during conference conversation, participants will not hear a tone or device-internal station hold tone. The system will not disconnect and release the call during a Media Server fault - participants must hang up manually.

Conference Call

The Conference Call feature enables a user to establish a conversation with two or more parties. These additional parties may be internal or external to the IPedge system. Any IP5000 Series telephone may establish a conference call with other stations or outside lines.

Some models of SIP telephones, including the Toshiba IP4100 Series, also have their own built-in conference feature. Please refer to the device documentation for description and programming instructions.

A conference is defined as three or more parties joining into one conversation. A maximum of eight parties are allowed into a conference with up to six from outside lines or eight parties on internal stations.

The originator of the first conference is the “conference master” and controls the adding and dropping of conference parties. The conference master may drop the last added party by pressing the **Cancel** button.

Note: Some third-party SIP devices are able to master conferences - please refer to those systems’ respective documentation for more information.

Conference on-Hold

A conference call may be placed on hold where callers remain connected and no Music-on-Hold is applied. The station placing the conference on hold may rejoin the conference by pressing the **Line** button.

“Conference Master” status may be transferred to another station by placing the conference on hold, and pressing **Line** on that station. This enables one person to establish a conference call for others.

Split | Join | Drop

This feature enables the conference master to add (Join) other phones to a conference. The conference master and another caller conference may leave (Split) the conference for a private conversation. During this time, other conference members will remain connected. The conference master may “join” both of the “split” callers back into the conference, or the master may disconnect (Drop) the split member they are connected to.

Releasing Tandem SIP Trunk Connections

This feature disconnects unattended line-to-line connections for the IPedge system, freeing the conferencing station or voice mail port for other calls and important tasks. When a tandem connection is set up with a DN button, the DN button will go idle after releasing from the connection. The DN may then be used to make or receive calls from the originating telephone.

Telephones and/or Voice Mail (VM) devices may establish and release tandem SIP trunk connections without disconnecting the tandem connection in the IPedge system. After releasing from a tandem call, reconnecting is accomplished by dialing an access code.

Tandem line buttons may or may not appear on a telephone. The user may enter the connection and release the line that was connected to the

original line, or release both lines by pressing the **Cancel** button.

Voice Mail Conference Voice Mail ports may be included in conference calls. This enables all members of the conference to listen to and play voice mail messages.

Conference Call

Conference calling using an IP5000 Series telephone allows up to eight parties to join together on a conference call. The party initiating the conference call is known as the “conference master”. If the conference master exits the conference, the first station added to the conference becomes the master.

The maximum number of participants on a conference call is eight (including the conference master.) The actual number of conference parties with acceptable volume levels depends on local and distant telephone line conditions.

Some models of SIP telephones also have their own built-in conference feature. Please refer to the device documentation for description and programming instructions.

Toshiba IP4100 and PolyCom Series 8440 | 550 | 321 SIP stations may be used as a conference master for a conference call. When this occurs, the **Conf** button is used in place of the Cnf/Trn button referenced here.

Set up a Conference Call

To initiate a conference call on IP Telephones:

1. While on a call, press **Cnf/Trn** - dial tone is heard and the line LED will flash green.
2. Dial a station or outside telephone number.
3. When called party answers, press **Cnf/Trn**. If busy/no answer, press **Cnf/Trn** again to return to the original connection.
4. If the second call was placed on a programmed **Line extension** button on the telephone, that LED also flashes green.
5. Repeat steps 1-3 until all parties are added (up to eight.)
6. When the conference master hangs up, control is automatically transferred to the first internal station added to the conference call. If no internal IPedge stations were included in the conference call, the call is disconnected.

Transfer Conference Control

1. Complete steps 1 and 2 above to add the to transfer conference master status (see previous note.)
2. Announce the call and hang up to transfer.
3. This station now becomes the conference master and may add/delete parties.

**Set up a Conference Call
(SIP only)**

To initiate a conference call on SIP Station telephones:

1. While on a call press the **Conf** key. The held party will hear system music on hold.
2. Dial a station or make an outgoing call (press the Swap soft key to alternate between the two parties.)

	3. While talking to one party, press the Conf key to join the calls.
Hold a Conference Call	Only the conference master may place a conference call on hold by pressing Hold once (or twice for Executive Hold). The other parties may continue with the conference. Music-on-Hold is disabled and the line extension LED flashes green. Rejoin the conference at any time by pressing the extension button. Conference master status is retained through this process.
Consultation Hold (SIP only)	<p>This feature allows you to place a call on hold then dial another station or outgoing line to consult.</p> <ol style="list-style-type: none"> 1. While on a call press the Conf soft key. The held party will hear system music on hold. 2. Dial a station or make an outgoing call. 3. Press the Swap soft key to alternate between the two parties. <p>While talking to any party, press the End key to disconnect the call.</p>
Adding Voice Mail to a Conference	The conference master may add voice mail to a conference. This feature enables participants in a conference to listen to or leave a voice mail message during a conference call.
Add Voice Mail to a Conference Call (conference master only)	<ol style="list-style-type: none"> 1. Press Cnf/Trn to place the current call on Consultation Hold. 2. Dial the voice mail (VM) extension number, then enter the VM mailbox and security code. This adds the voice mailbox to the conference. 3. Press Cnf/Trn to reconnect to the original party. (You may continue to add conference members by pressing Cnf/Trn and dialing another extension.) <p>Now, all parties in the conference may listen to or record a message to this voice mailbox. Only the Master may control the VM with Soft Keys.</p>
Supervising a Tandem Call	<ol style="list-style-type: none"> 1. While on an outside call, press Cnf/Trn. A dial tone is heard and the extension LED flashes (conference rate.) 2. Dial an outside telephone number. 3. After party answers, press Cnf/Trn. Extension LED flashes (in-use rate) and all parties are conferenced. 4. If busy/no answer, press the flashing extension button to return to the original connection. 5. Press Cnf/Trn and hang up. The extension LED flashes (exclusive-hold rate) and the two lines are connected. The LED turns off when the parties hang-up.

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6. To supervise a tandem call, press the extension button. If the parties have finished, hang up. If the parties are still talking, press **Cnf/Trn** and hang-up. Both Line LEDs turn off and the connection is released.
- Note:** If your telephone service provider offers automatic disconnect supervision, the connection will release automatically when the parties hang up. If not, the lines must be supervised and manually disconnected.
- Conference Add, Split, Join, and Drop
- If a conference is initiated with two or more parties, outside callers may be added to conference, **or** you and another member of the conference may leave (Split) the conference for a private conversation. All conference members remain connected during a split call.
- Conference master may “join” both “split” parties back into the conference, or disconnect (Drop) the connected party. This feature is performed with Soft Keys if you have a LCD phone or with a Split button programmed on one of the Programmable Feature Buttons.
- Important!** Only the conference master may perform Add, Split, Join, and Drop features. The conference master is the person that initiates the conference call. If that person drops from the conference, the first person added to the conference becomes the conference master.
- Add an Incoming call to the Conference
1. Place the first caller/conference on hold.
 2. Answer the incoming ringing call.
 3. When incoming caller is on the line, press **Cnf/Trn** button.
 4. Press the blinking DN button where the first caller/Conference was placed on hold.
 5. Press **Cnf/Trn** twice to join all parties together.
- Split from a conference
1. While in a conference call on an IP5000-series phone, press the **SPLT** (Split) soft key or Split button.
 2. Press the **NEXT** soft key until you see the extension number for the party that you want to Split out of the conference.
 3. Return your extension and the other Split party back into the conference by pressing **JOIN**.
- Note:** **RTRN** terminates a feature operation and returns to the previously displayed state.
- Drop the Split party from a conference
- Press the **DROP** Soft Key. The party which was Split from the conference is disconnected (Dropped) and you will rejoin the conference.
- If in a 3-way conference and you Split with one of the parties, the remaining party will remain “on hold” indefinitely or until you return to the conference.

PROGRAMMING

The Conference Call feature enables a user to establish a conversation with two or more parties. Any station may be enabled to conference call with other stations or outside lines. A conference call is defined as a call where three or more parties join into one conversation with a limit of eight, and a maximum of six outside lines.

Conference Call features are programmed via Enterprise Manager; SIP Stations are programmed on the handset - the exception being the number of channels for the SIP phone, which is set in Enterprise Manager.

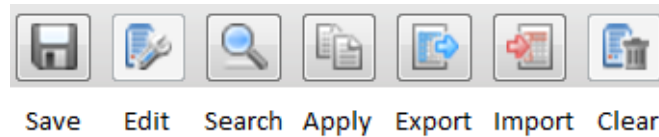


Figure 1 - Enterprise Manager Toolbar Buttons

- | | |
|-------------------------------|--|
| Assign Split Key to a Station | <ol style="list-style-type: none"> 1. Login to Enterprise Manager. 2. Click on Station > Station Assignment. 3. Select the station to be programmed. 4. Click on the Edit icon. 5. Select the Key tab. 6. Right-click the key to be programmed (this will highlight the key and display a pop-up screen with button types.) 7. Select Features > Split. 8. Click the Save icon. |
| Multi-Conference Capability | <ol style="list-style-type: none"> 1. Login to Enterprise Manager. 2. Select System > System Data. 3. Select the Server from the drop-down list. 4. Enable/Disable Multi-Conference capability for internal and outgoing calls (default enabled.) 5. Click on Save icon or select Apply To to assign the parameter to multiple servers. |
| Conference Calls | <ol style="list-style-type: none"> 1. Login to Enterprise Manager. 2. Select System > System Data. 3. Select the Server from the drop-down list. 4. Enable/Disable Multi-Conference capability for internal and outgoing calls (default enabled.) 5. Click on Save icon or select Apply To to assign the parameter to multiple servers. |

RESTART MEDIA SERVER

The Media Server must be restarted any time you change the licenses applied to the media server.

Restart Procedure

1. Login to Enterprise Manager.
2. Select **Application > Webmin.**

CAUTION! Do not change the Start On Boot setting!

3. In the Webmin screen select **System > Boot up and Shutdown.**
4. In the Action list click the **media server** radio button.
5. Scroll down the list then select **Restart.**

CAPACITY

The maximum number of simultaneous conference calls on the Media Server is determined by the media server capacity of the system.

Table 1: Media Server Channels

Media Server	Channels
EP	22
EC	174
EM	480

For example, one Media Server provides 480 media resources for the conference (maximum.) This means that 160 3-way or 60 8-way conferences may be created.

Media server resources are also used for Music on Hold, Paging, and tone generation.

The maximum number of trunk parties in one conference is seven (7).

AVAILABILITY

Station/Line	Description
IPT	Applied for both conference master and participants
Soft IPT	Applied for both conference master and participants
IP Attendant	Applied for both conference master and participants
SIP-compliant station	Applied for participants - SIP Terminal may create Conference Call in systems running R1.5 and later software.
SLT (via FXS Gateway)	Applied for participants
SIP -compliant Paging Device	Applied for participants
SIP trunk	Applied for participants
IPedge Net	Applied for participants
ISDN trunk (via FXO Gateway)	Applied for participants
T1 trunk (via FXO Gateway)	Applied for participants
Voice Mail - SIP	Applied for participants

RESTRICTION

The total number of Media Server channels available is the system maximum or the number of channels licensed, whichever is smaller.

Media server channels are required for conferences and other feature operations such as Paging (through IPT speakers - *not* overhead paging), Background Music, Call Monitor, Ring back Tone for an incoming call from

a remote party, ACD monitor, and Call Record. A Media Server channel is required for each party in a conference.

The Media Server channels are allocated in the system configuration programming.

- Media Server Conferences
 - Ad hoc conferences (3-way up to 8-way conference calls)
 - Call Monitor
 - Call Record
 - Barge-in feature such as Executive Busy Override, Privacy Override
- Media Server Generic channels are used for:
 - Background Music
 - Group Paging (through IPT speakers - *not* overhead paging)
 - MOH - Music on Hold

Channel Availability Limitations

When the conference master places a conference on Consultation Hold, the conference channel for the master is disconnected from the conference circuit, and the IPedge system releases this channel immediately for other use.

Later, when the conference master attempts to retrieve the conference from Consultation Hold, the IPedge system checks the availability of the conference channel and allocates it to the conference master (if available.) In rare instances the master may be unable to retrieve the conference if no channels are available.

Conference Circuit and Channel Availability

Whenever a circuit or channel is required, IPedge will check the availability and allocate (if available) to the call. IPedge does not reserve or pre-allocate a conference circuit or channel prior to feature activation.

When the conference master places a conference on Consultation Hold, the conference channel for the master is disconnected from the conference circuit, and the system releases this channel immediately for other use.

If the conference master attempts to retrieve the conference on Consultation Hold, the system checks the availability of the conference channel and allocates it to the conference master, if available. If no channel is available, the call returns to the 2-way conversation between the conference master and other party and any additional parties will be disconnected. In rare instances, the conference master may be unable to return to the conference, the call is disconnected, and all participants will go into idle state.

HARDWARE

No additional hardware is necessary for this feature.

FEATURE INTERACTION

Account Code	When the conference master calls the participant, the outgoing call (including the account code) may be included if the account code settings are properly configured.
Automatic Busy Redial (ABR)	The conference master cannot set ABR if the conference master calls the trunk and the trunk is busy.
Automatic Callback (ACB)	The conference master cannot set ACB if the conference master calls the station or the trunk and it is busy. (Because the conference master cannot set ACB after the call is put on Consultation Hold.)
Basic Survivability	<p>The conference master is in make busy state in the old server even though the speech path is maintained for a while. If the conference master detects link down, after a few seconds, the ex-conference master is disconnected. Therefore, the next conference master is chosen from the available candidates.</p> <p>If the old server going down is the reason for link down, the RTP stream is stopped if the media server is chosen in the old server. The conference will continue if the media server in the remote node is chosen.</p>
Call Forward/System Call Forward	When the conference master calls the participant, the call is forwarded to the destination if the participant sets Call Forward.
Call Monitor	A Voice Mail call in the conference cannot be call monitored. Call Monitor invoker is disconnected if a monitored station joins the conference.
Call Park Orbits	<p>A conference call may be parked or retrieved in software Release 1.5 (or later). It is also possible to add a parked call to the conference. To retrieve the Parked call press the Conf button and enter the feature access code.</p> <p>In Release 1.5 (or later), the operation will be treated as Call Transfer with Camp-on because the conference by the terminal built-in circuit is not treated as IPedge conferencing feature.</p>
Call Pickup	<p>Other users may answer the call from the conference master to the participant by using Call Pickup.</p> <p>When the conference master puts the call on Consultation Hold and calls other stations, the terminating call cannot be picked up by the other conference master who puts the conference call on Consultation Hold.</p> <p>The user cannot pick up the recall on the conference master who puts the call on Consultation Call.</p>

	<p>The far end party who answers the call by Call Pick up may join the conference. However, merging two conferences by using the Conf button or Join softkey is impossible. If the Consultation Hold master presses the Conf button or Join softkey it hangs up the later joined conference and Reorder Tone is heard. Return to the original conference and the later conference will drop.</p>
Call Transfer	<p>When the conference master places a conference on Consultation Hold, that means at least two parties remain in the conversation, if he makes another call and hangs up while talking, the conference is transferred to the destination. As soon as the master hangs up, the destination participates in the conference. If the destination is a station appropriate to be a conference master, the destination becomes the master. Otherwise, the system seeks for the next master in the group.</p> <p>In software Release 1.5 (or later), the conference will be divided into two calls, as the conference is not treated as an IPedge conferencing feature.</p>
Call Transfer With Camp On	<p>If the conference is placed on Consultation Hold, Call Transfer with Campon will not function, and the recall terminates on the transferring party. The transferring party will connect to the conference when the recall is answered.</p>
Call Transfer Immediate	<p>It is possible to transfer the conference call as Call Transfer Immediate by the transferring party.</p> <p>When the transferred-to party answers, immediately, a conference call with the transferred-to party is created.</p> <p>If the transferred-to party has authority to be the conference master, the transferred-to party will control the conference (such as adding a new party or dropping the participant who joined before the transferred-to party joined).</p> <p>If the transferred-to party cannot be the conference master, the system chooses from the participants of the next priority to be the conference master.</p> <p>Transferred parties are in conference talk while the transferred-to party is calling.</p>
Call Waiting	<p>It is possible to camp the call on the line that is in the conference. A Call Waiting indication may be displayed.</p>
Caller Identification	<p>Caller information is not shown on the LCD for the conference participants.</p>

Cancel Button	If the conference master presses the Cancel button during the conference call the last added party is dropped from the conference call.
Class Of Service	COS is applied when the conference master calls the participants.
Conference on Hold	<p>When the conference master puts the call on Conference On Hold, the held party hears MOH provided there is only one held party.</p> <p>All participants may place a call on hold by pressing the Hold button. If the conference master places the call on hold, all parties will hear Music-on-Hold (MOH). This notifies all attendees that the conference member has placed the Conference Call on hold.</p>
Conference by SIP Terminal	<p>IPedge treats 3-way conferencing by a SIP terminal as a separate conference feature. The SIP terminal will not display the name and DN of all conference party members, only the name and DN of the dialed party</p> <p>This type of conference (SIP terminal) may be barged-in to or transferred.</p> <p>Note: Conferences may only be transferred by an IPT, not a SIP Station.</p>
Conference Split/Join/Drop	The conference master may drop participants from the conference by using Conference/Split/Join/Drop feature.
Consultation Hold	<p>The conference master may put the call on Consultation Hold while conferencing.</p> <p>The user may create a new conference or add a new participant by putting the call on Consultation Hold, calling to another party, and retrieving a call. On SIP phones, Consultation Hold is limited by the number of channels the SIP station has available, or the number set on the Station Assignment page in Enterprise Manager.</p>
Direct Station Selection Button	<p>When the remote station activates the Conferencing feature and becomes the Conference Master while talking with the station associated with the DSS button, only the original destination is lit in green (same as I-Use pattern) on the DSS button even if the conference member is added.</p> <p>When the station with the DSS button activates Conferencing and becomes Conference Master and if the conference member added later is associated with the DSS button, the member is also lit in green (same as I-Use pattern).</p>

Do Not Disturb (DND) Override/DND/ Busy Override	When the conference master calls, the conference master may use DND override or DND/ Busy override if DND is set on the destination.
Drop feature.	This feature is available only during a conference call.
Enhanced 911 (E911 Interface)	Though an E911 call becomes a conference call by barging into the call after answering an emergency call on Internal Notification, most of the features defined by Conferencing cannot be used.
Executive Override	<p>Executive Override may be used on a conference call when the barged-into party specified by digits is the conference master. Executive Override fails if the station specified by the dialed digits is not the conference master.</p> <p>In Software Release 1.5 (or later), the conference will be made except by the party who is not intruded, because the conference is treated as a telephone call by the system. Callers with the appropriate COS may barge into the call, there are multiple calls, however, the first call which the conference master joins is chosen.</p> <p>When a SIP phone is the conference master, and IPT/SIP phones join call and get Busy Tone, pressing 3 or "Override Softkey" (If COS Executive Override=Enable), will make the call a 4-Way conference.</p>
Hold	A conference master may place a conference on Line Hold so that another station with an appearance of the line on Line Hold may respond to a call on behalf of the old master. The responding station inherits the conference master.
Join	<p>Putting a call on Consultation Hold, invoking the Join feature, and retrieving a held call allows the user to create a new conference or add new participants. The user cannot invoke Join if the call is put on hold. (The operation is ignored.)</p> <p>The Join feature is applicable if a conference call is put on consultation hold.</p>
Jumping LED	<p>The Jumping LED feature applies to an IPT station if the conference of 2 trunks and 1 station (without Jumping LED) becomes a 2 trunk call when the station hangs up.</p> <p>The Jumping LED feature is not applied if there are two or more parties (not counting the caller) or if the call is in Consultation Hold.</p>

Least Cost Routing (LCR)	An LCR outgoing call is done by specifying digits, including the LCR feature access code, when the conference master calls participants.
Line Hold	The conference master may place a conference on Line Hold so that another station with the appearance of the line on Line Hold may respond to a call on behalf of the old master. The responding station inherits the conference master.
Make Busy	When the participant goes into make busy state, the participant hangs up and releases. The conference call continues with other remaining participants. This is the same as the conference master going into make busy state. The authority of the conference master moves automatically.
Manual Line Selection	A conference call disconnects and then originating, answering a terminating call, or retrieving a held call is done by pressing another Line button during the conference call. The conference call itself continues if there are other parties.
Manual Voice Recording	All participants may invoke Voice Recording to specify Voice Mail in the conference call, including the conference master. In Version 1.5 or later, only the voice of the party who invoked recording will be recorded. Only one Voice Recording may be performed at a time.
Message Waiting	Message Waiting may be set for conference participants.
Outgoing Call	An Outgoing call helps the conference master to call to a public trunk when the conference master calls participants. The Talk disconnection timer continues if the call becomes the conference while the talk disconnection timer for the outgoing call is running. When it expires, the trunk call is disconnected and all remaining members continue the talk or the conference.
PC Attendant	If Attendant is not the Conference Master, another party cannot put the call on Consultation Hold, so the conference cannot be achieved. This is because Attendant has a privilege to not be held. However, when the remote node parties participate in the conference, the station in remote node may put Attendant on Consultation Hold, then the remote node parties may make a conference.
Privacy/Non Privacy	The Privacy Release feature allows a third party to join the conversation and the conference is established. This operation is applicable to the conference only if the target line is the conference master. The members of a conference cannot release the privacy.

	<p>The conference call by Privacy Override or Privacy Release may be put on Consultation Hold, and new participants added.</p> <p>The Privacy Override feature may be applied if Voice Mail is included in the conference.</p> <p>The conference master may start/ end Privacy Release feature by pressing the Privacy Release button during the conference.</p> <p>Even if voice mail is included in the conference, the conference master may start/end the Privacy Release feature by pressing the Privacy Release button. (However, only the conference master may start/end Privacy Release feature during the conference.)</p>
Private Networking over IP	<p>It is possible to include a remote node party in a conference. If the private line is an IPedge line, then the participating stations' LCD may display the appropriate information.</p> <p>The station and the trunk in the local node may create a conference with stations in the remote node and may be added to a conference in the remote node. The conference in the local node is treated in the remote node as one party of a private line.</p> <p>Because the private line (IPedge, etc.) cannot know if the far end party is the conference and the conference is treated as one party of a private line, as a result the number of participants may exceed the maximum number of parties for a conference.</p> <p>The party in the local node is the next conference master if the conference master hangs up. A conference master does not move across nodes. As a result of a conference master hanging up, if all participants are trunks and no station, it is determined by the Tandem Connection COS setting whether the conference remains or disconnects.</p> <p>When the conference call changes to a two-way call, it is controlled by Re-routing method so that there is no invalid connection of a private line.</p>
Recall Treatment	<p>The ex-conference master receives a recall if the transferred-to party does not answer when the conference master transfers the conference call.</p>
Release Button	<p>When the Release button is pressed, the station quits the conference. The other parties of the conference continue.</p>
Release/ Answer Button	<p>When the Release/Answer Button is pressed, the station quits the conference. The other parties of the conference continue.</p>
Ring Transfer	<p>When the conference master places the conference on Consultation Hold, that means at least two parties remain in the conversation, if he</p>

makes another call to the destination and hangs up while the destination is ringing, the conference is transferred to the destination. As soon as the destination answers, it participates in the conference. If the destination is a station appropriate to be a conference master, it inherits it. Otherwise, the system seeks for the next master in the group.

Recall treatment is also applied in this case.

The Transferring master puts the call on consultation hold, this means at least 2 parties are talking and the system treats this as an ordinal Ring Transfer (when a transferring master transfers a call to the transferred-to party).

When the transferred-to party answers, the transferred-to party immediately joins the conference call.

If the transferred-to party has authority to be the conference master, the transferred-to party controls the conference (such as adding a new party or dropping the participant who joined before the transferred-to party joins).

If the transferred-to party cannot be the conference master, the system chooses from the participants of the next priority to be the conference master.

Transferred parties are in conference talk while the transferred-to party is calling.

In version 1.5 (and later) the Conference will be divided into two calls as the conference is not treated as an IPedge conference, but a terminal conference.

SIP Extension Software Releases prior to 1.5: A SIP extension cannot be the conference master. If the conference master drops from the call, a SIP extension may not be the conference master. The call may become a conference without a conference master.

Some models of SIP telephones, including the Toshiba IP4100 Series, also have their own built-in conference feature. Please refer to the device documentation for description and programming instructions.

In order for a SIP telephone to initiate a conference, the SIP station configuration must be set to the number of simultaneous calls the station is capable of supporting. This is done on the Station Assignment page in Enterprise Manager.

Sip Trunking A conference call with SIP a trunk may be created.

Specified Caller Identification The Specified caller number is not displayed on the conference screen. When a conference member goes off-hook and the call returns to two

	parties talking, the specified caller number displays again.
Station Message Detail Record (SMDR)	SMDR records the call information if the conference call includes public trunks.
Tandem SIP Trunk Connection	<p>Barging into a tandem conference call cannot be done if there is a conference master.</p> <p>Software Release 1.5 and later: The Tandem CO Line Connection feature is not provided for the conference by the terminal as the conference is disconnected when the conference master drops off the call.</p> <p>Only the ex-conference master may barge into a tandem conference call that has 3 or more parties.</p> <p>An ex-member of the tandem conference call cannot barge into the call.</p> <p>The station becomes the conference master if the station barges into a 2-party call or a conference call.</p> <p>Sample use cases</p> <p>Case 1:</p> <p>Station A (the conference Master), station B (member), and 2 trunks are in the conference call. Station B becomes the new conference master if station A hangs up. In this case, station A, ex-conference master, cannot barge into the conference call because there is a new conference master. In this case where the conference master is existing, the call does not treat it as a Tandem Connection.</p> <p>Case 2:</p> <p>Station A (the conference Master), station B (member), and 2 trunks are in the conference call. If station B hangs up and then station A hangs up, station B cannot barge into the call while station A may barge into the call. This is because station B was just a member of the conference call when they hung up.</p>
Tenant Service	Stations belonging to a different tenant may join the same conference call because the numbering plan is shared.
Toll Restriction Override by System Speed Dial	The conference master may originate an outgoing call overriding the limitation of user's Class Of Service and using the Class Of Service system defines for digits, when the conference master originates the call using Toll restriction Override by Speed Dial feature.

Toll Restriction	Restrictions by the Toll Restriction feature affect the conference master when the conference master calls participants.
Transfer Privacy	Indication patterns of GCO/POOL buttons are determined by the Transfer Privacy feature if the conference call is ring transferred.
Transfer Direct To VM	<p>This feature is not used if the transferring party is not the conference master.</p> <p>The conference master may transfer the conference call to Voice Mail by using the Transfer Direct to VM feature. After transferring, there is no conference master if there is no participant who may be the conference master.</p> <p>Note: If a SIP phone is the conference master, there is no Cnf/Trn key, only End and Split.</p> <p>Software Releases 1.5 and later: When the conference is transferred (via terminal) to Voice Mail by Transfer Direct to VM feature, the parties on Hold may enter a feature access code to connect to Voice Mail.</p>
Voice Mail	<p>The conference call may be recorded to a Voice Mailbox.</p> <p>Software Releases 1.5 and later, the conference call may be recorded using the base station.</p>
Voice Mail conference	During conference (and if only one VM port exists), this service is provided.