

Cisco TelePresence Conductor XC2.0 Introduction

Support Resource Optimization

Support Resource Optimization

TPS Dynamic Resources Optimization

- Dynamic Resource optimization
 - ✓ Allows resources that are initially over-allocated on a TelePresence Server to be recovered and re-allocated for other participants, allowing more participants to be handled by a single TelePresence Server.

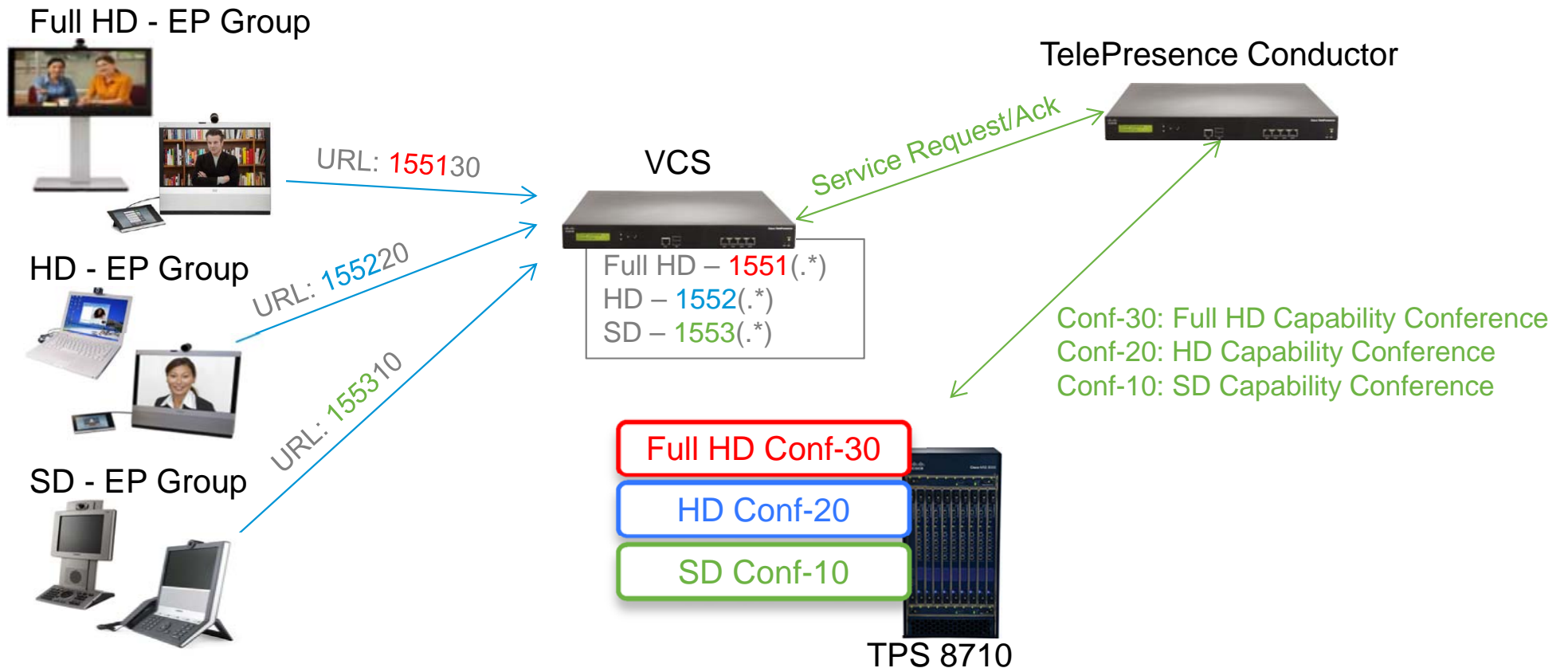
Main Video	Audio	Content	Screen Licenses Consumption
480p30	Mono	In main video	1/4
480p30	Stereo	720p5	1/3
720p30	Stereo	720p5	1/2
1080p30	Stereo	720p15	1
720p30	Stereo	720p15	1
1080p30	Stereo	720p30	1 1/2
1080p30	Stereo	1080p30	2
Dual-screen 1080p30	Stereo	720p30	2
Three-screen 1080p	Multichannel	720p30	3
Three-screen 1080p	Multichannel	1080p30	4
Four-screen 1080p	Stereo	1080p30	4

Support Resource Optimization

TPS Dynamic Resources Optimization

- Dynamic Resource optimization

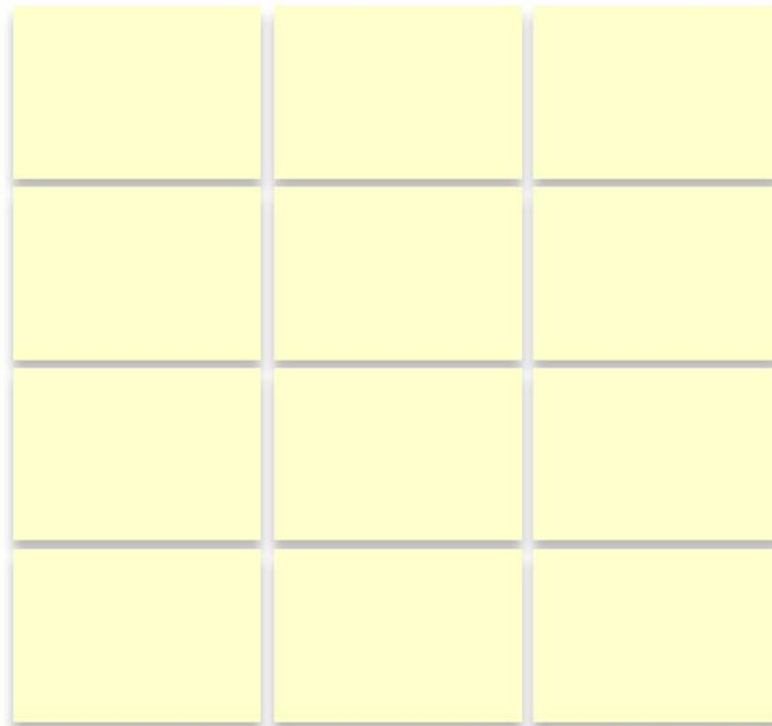
- ✓ TelePresence Conductor setup conference on TPS with pre-configured video quality for optimize screen license.



Support Resource Optimization

TPS Dynamic Resources Optimization

- Dynamic Resource optimization
 - ✓ Example with TPS8710 with 12 screen license



TelePresence Conductor

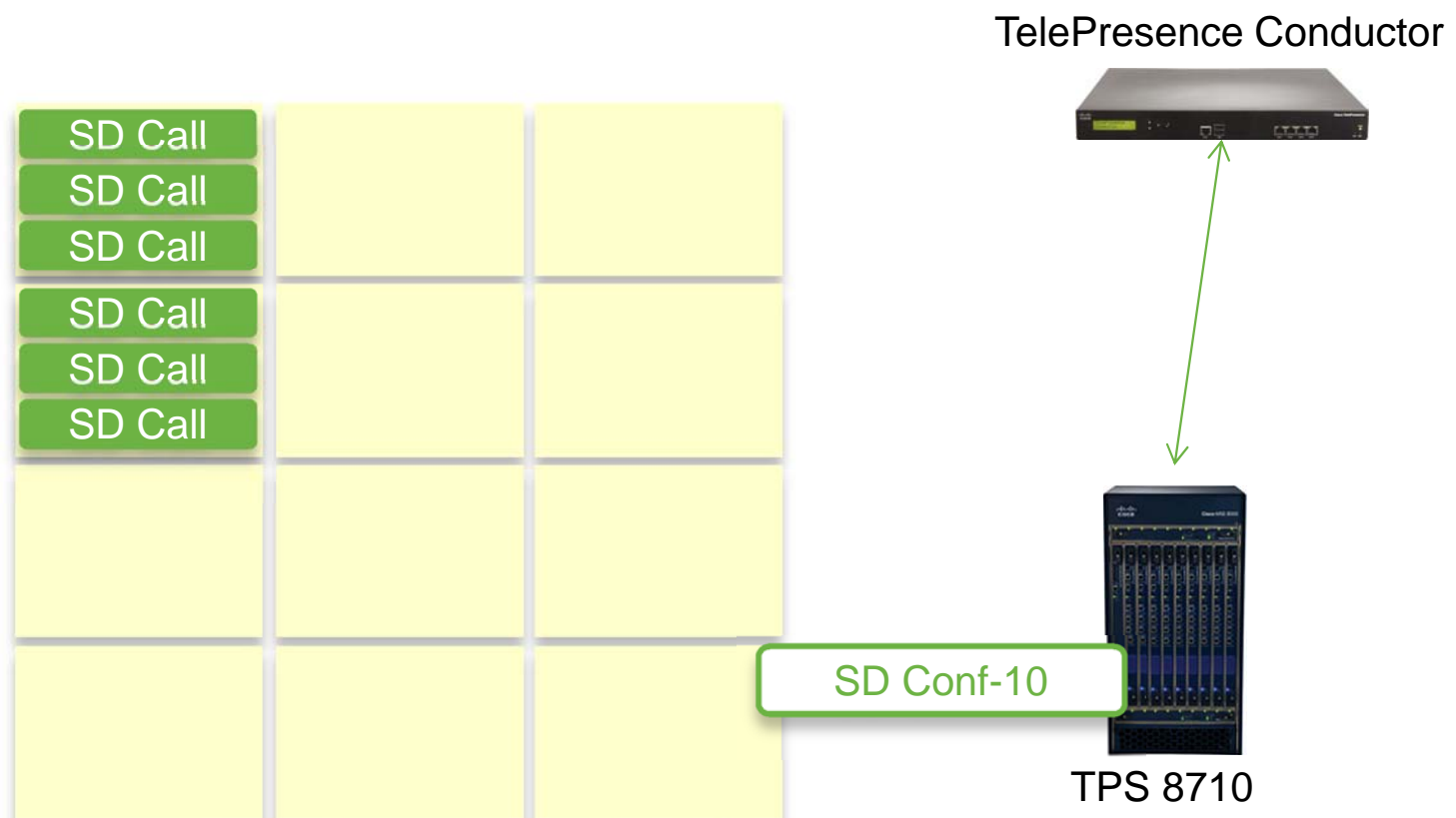


TPS 8710

Support Resource Optimization

TPS Dynamic Resources Optimization

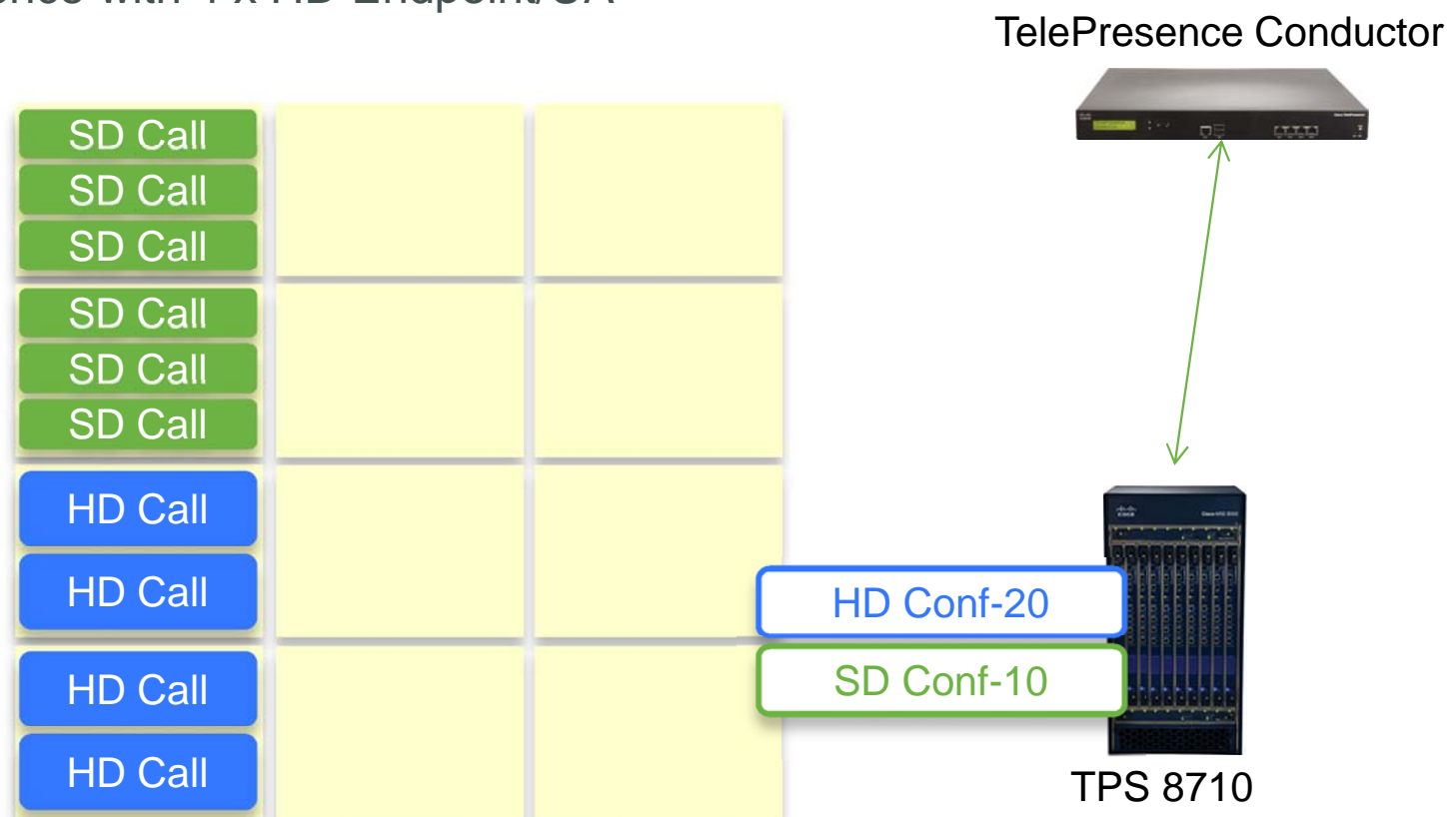
- Dynamic Resource optimization
 - ✓ Example with TPS8710 with 12 screen license
 - Conference with 6 x SD Endpoint/UA



Support Resource Optimization

TPS Dynamic Resources Optimization

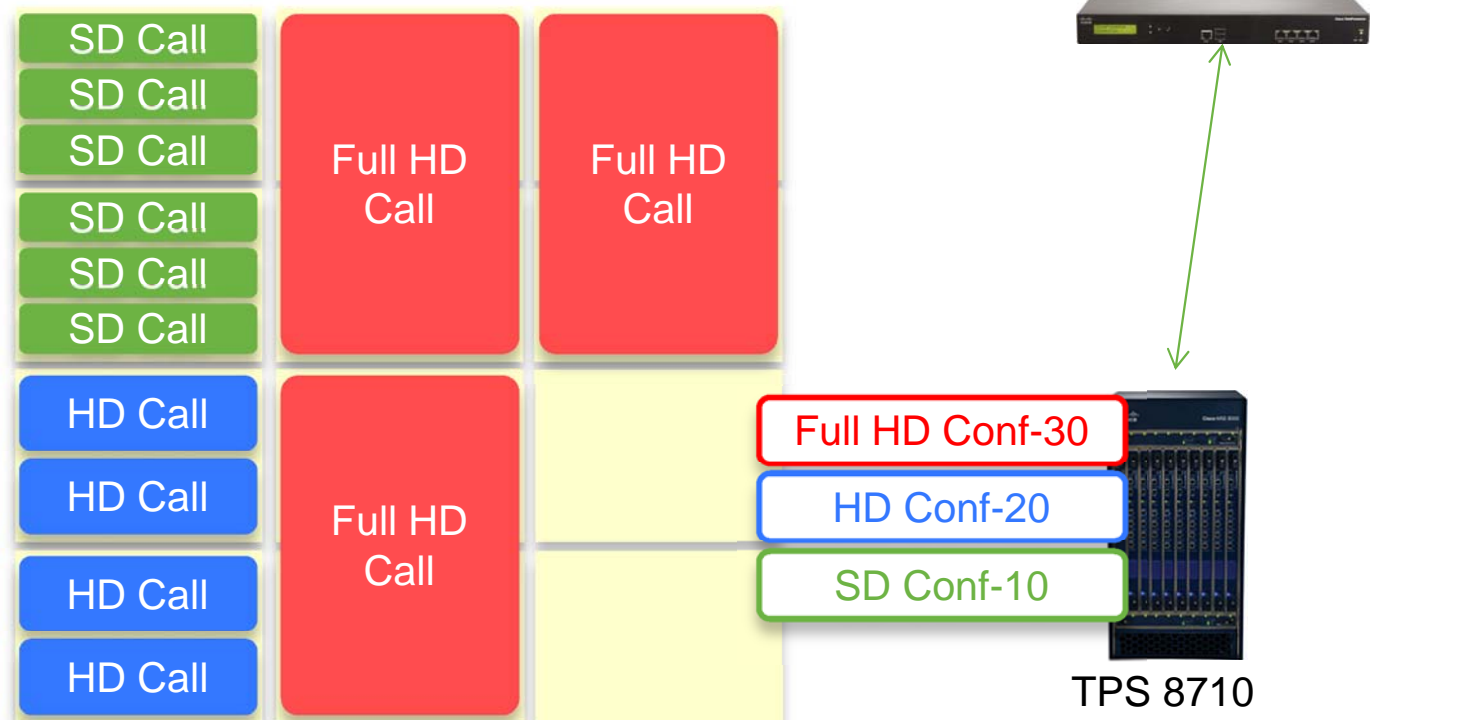
- Dynamic Resource optimization
 - ✓ Example with TPS8710 with 12 screen license
 - Conference with 6 x SD Endpoint/UA
 - Conference with 4 x HD Endpoint/UA



Support Resource Optimization

TPS Dynamic Resources Optimization

- Dynamic Resource optimization
 - ✓ Example with TPS8710 with 12 screen license
 - Conference with 6 x SD Endpoint/UA
 - Conference with 4 x HD Endpoint/UA
 - Conference with 3 x Full HD Endpoint/UA



Support Resource Optimization Configuration on TelePresence Conductor

- Define conference video quality on template
 - ✓ Define participant quality (main video) and content quality (dual video).

The screenshot displays the Cisco TelePresence Conductor web interface. The top navigation bar includes 'Status', 'System', 'Conference configuration', 'Users', and 'Maintenance'. The main content area is titled 'Conference templates' and shows a list of templates on the left and a 'Modify conference template' form on the right.

Conference templates list:

Name	Chairperson ports
<input type="checkbox"/> CP4	N/A
<input type="checkbox"/> CP5+1 no recording	N/A
<input type="checkbox"/> Conference Call-Full HD	N/A
<input type="checkbox"/> Conference Call-HD	N/A
<input type="checkbox"/> Conference Call-SD	N/A
<input type="checkbox"/> Multiscreen Conference Call	N/A

Modify conference template form:

Name: * Conference Call-Full HD

Description: TPS Conference Call - Full HD

Conference type: Meeting

Call Policy mode: Off

Conference bridge Service Preference: * Tokyo-TPS

Limit number of participants: Maximum

Limit the conference duration (minutes): Maximum

Participant quality: Full HD (1080p 30fps / 720 60fps video, multi-channel audio)

Provision for multiscreen:

Optimize resources:

Content quality: Full HD (1080p 30fps / 720p 60fps)

Support Resource Optimization Configuration on TelePresence Conductor

- Configure the conference alias
 - ✓ Configure the conference alias and map the conference template

The screenshot displays the Cisco TelePresence Conductor web interface. At the top, the Cisco logo and 'Cisco TelePresence Conductor' are visible. The navigation menu includes 'Status', 'System', 'Conference configuration', 'Users', and 'Maintenance'. The current page is 'Conference aliases', with a breadcrumb trail: 'You are here: Conference configuration > Conference aliases'. Below the header, it shows 'Records: 6' and 'Page 1 of 1'. A table lists the conference aliases with columns for Name, Alias, Conference name, Priority, Role, Conference template, and Actions. The 'TPS-FullHD Conference' row is highlighted with a red box. A blue arrow points from this row to the 'Modify conference alias' form below. In this form, the 'Conference template' dropdown is set to 'Conference Call-Full HD' and the 'Conference bridge type' is set to 'TelePresence server', both of which are also highlighted with a red box. Other fields in the form include Description, Incoming alias (must use regex), Conference name, Priority, and Role type.

Name	Alias	Conference name	Priority	Role	Conference template	Actions
Multiway-Meetme	meet\.(*)	Meetme-V1	0	Participant	CP4	View/Edit
TPS-FullHD Conference	1551(*)	FullHD-V1	5	Participant	Conference Call-Full HD	View/Edit
TPS-HD Conference	1552(*)	HD-V1	6	Participant	Conference Call-HD	View/Edit
TPS-SD Conference	1553(*)	SD-V1	7	Participant	Conference Call-SD	View/Edit
CP4 Conference	154(*)	CP4-(V1)	10	Participant	CP4	View/Edit
Multiscreen Conference Call	155(*)	Conference-V1	20	Participant	Multiscreen Conference Call	View/Edit

Modify conference alias

Name: ⓘ

Description: ⓘ

Incoming alias (must use regex): ⓘ

Conference name: ⓘ

Priority: ⓘ

Conference template: ⓘ ⓘ

Role type: ⓘ

Support Resource Optimization Configuration on TelePresence Conductor

- Configure the additional quality settings
 - ✓ Quality setting template is configurable

The image shows two screenshots of the Cisco TelePresence Conductor web interface. The top screenshot displays a table of existing quality settings, and the bottom screenshot shows the 'New' configuration form for a quality setting. A blue arrow points from the 'New' button in the top screenshot to the configuration form in the bottom screenshot.

Top Screenshot: Quality settings table

Description	Audio quality level	Video quality level	Actions
<input type="checkbox"/> SD (wide 448p 30fps video, mono audio)	Mono	SD (wide 448p 30fps)	View/Edit
<input type="checkbox"/> Full HD (1080p 30fps / 720 60fps video, multi-channel audio)	Multi-channel	Full HD (1080p 30fps / 720p 60fps)	View/Edit
<input type="checkbox"/> SD (wide 448p 15fps video, mono audio)	Mono	SD (wide 448p 15fps)	View/Edit
<input type="checkbox"/> HD (720p 30fps video, stereo audio)	Stereo	HD (720p 30fps)	View/Edit

Buttons: **New** (highlighted with a red box), Delete, Select all, Unselect all

Bottom Screenshot: New Quality configuration form

Quality configuration

Description: * HD (720p 30fps video, mono audio) ⓘ

Audio quality level: * Mono ⓘ

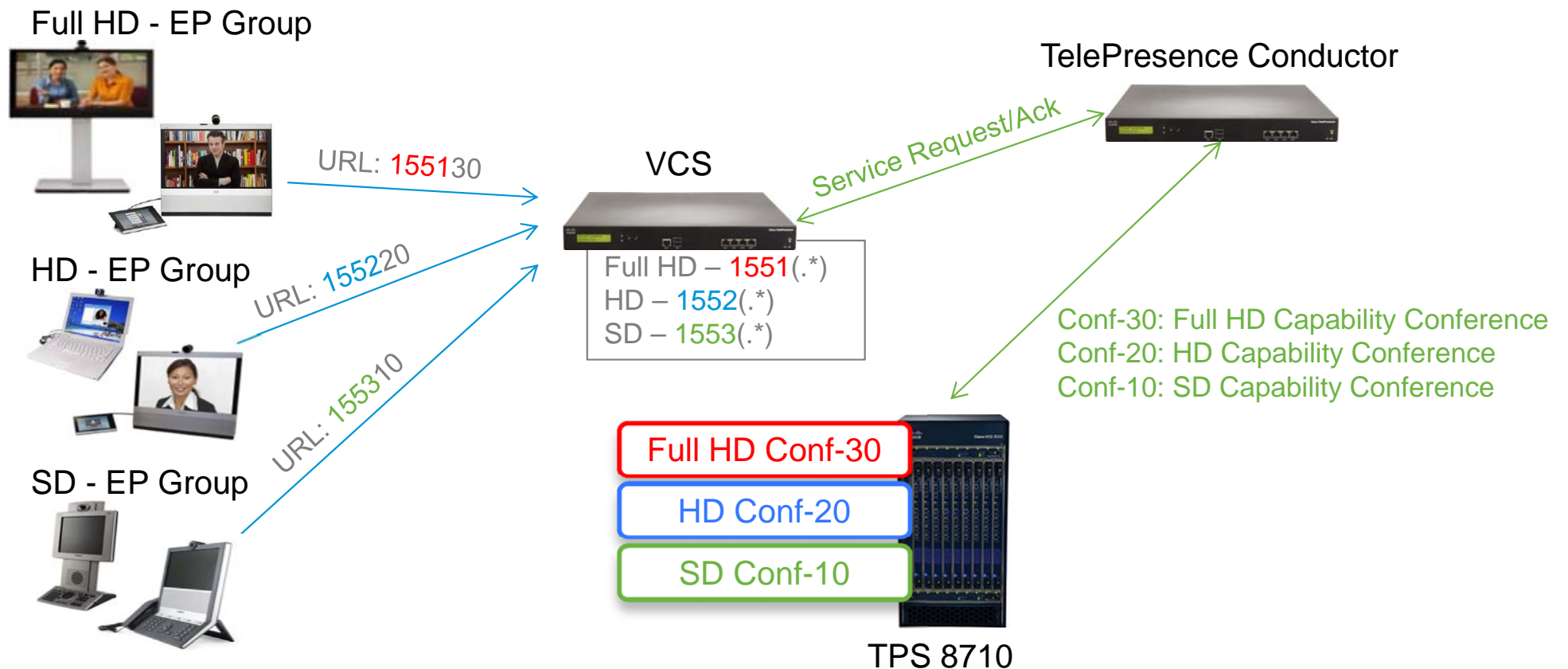
Video quality level: * HD (720p 30fps) ⓘ

Buttons: Add quality setting, Cancel

Support Resource Optimization

Multiple video quality conference on TPS

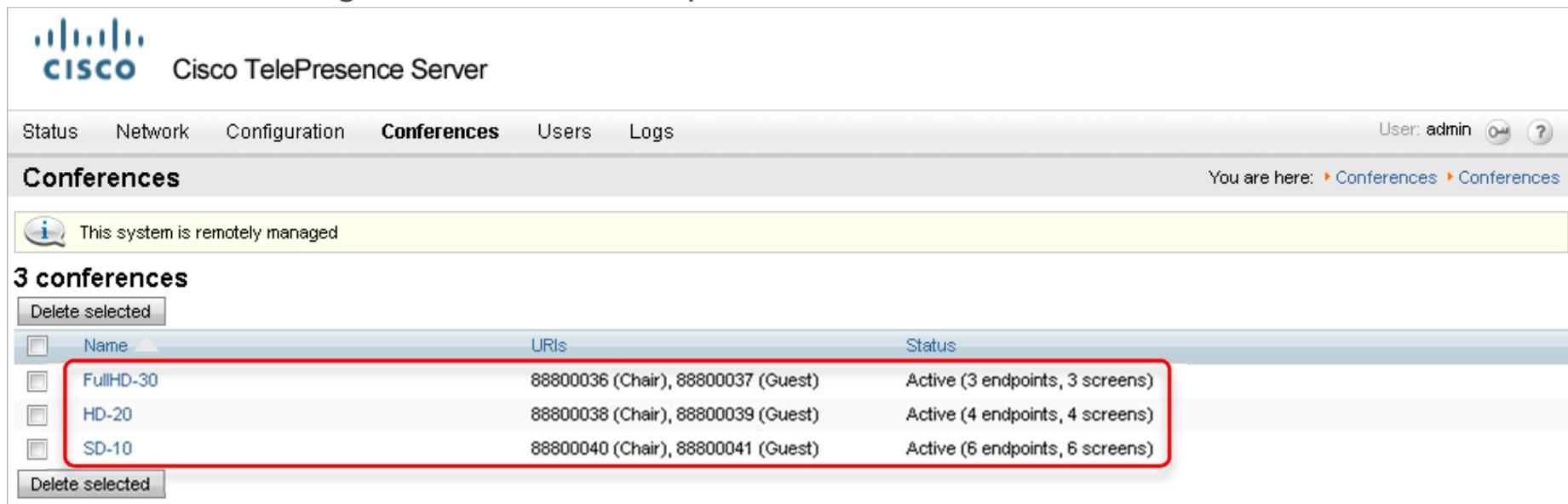
- Conference status with multiple quality conferences
 - ✓ Run multiple conferences on TPS enable the dynamic resource optimization



Support Resource Optimization

Multiple video quality conference on TPS

- Conference status on TPS
 - ✓ Hosting multiple video quality conferences on TPS
 - Terminating more than 12 Endpoint/UA



The screenshot displays the Cisco TelePresence Server web interface. At the top, the Cisco logo and 'Cisco TelePresence Server' are visible. Below the navigation tabs (Status, Network, Configuration, Conferences, Users, Logs), the 'Conferences' tab is selected. The user is logged in as 'admin'. A breadcrumb trail shows 'You are here: Conferences > Conferences'. A yellow banner indicates 'This system is remotely managed'. The main content area shows '3 conferences' with a 'Delete selected' button. A table lists the conferences, with a red box highlighting the 'FullHD-30', 'HD-20', and 'SD-10' rows. Each row shows the conference name, URIs for Chair and Guest, and the status (Active) along with the number of endpoints and screens.

Name	URIs	Status
FullHD-30	88800036 (Chair), 88800037 (Guest)	Active (3 endpoints, 3 screens)
HD-20	88800038 (Chair), 88800039 (Guest)	Active (4 endpoints, 4 screens)
SD-10	88800040 (Chair), 88800041 (Guest)	Active (6 endpoints, 6 screens)

Support Resource Optimization Multiple video quality conference on TPS

- Conference status on TPS
 - ✓ Hosting multiple video quality conferences on TPS

The image displays three overlapping screenshots of the Cisco TelePresence Server (TPS) web interface, each showing the status of a different conference. The interface includes a navigation menu (Status, Network, Configuration, Conferences, Users, Logs) and a user profile (User: admin). Each screenshot has a red box highlighting the conference name in the breadcrumb trail.

Conference "FullHD-30" status

Status: Active (3 endpoints, 3 screens)
URIs: 88800036 (Chair), 88800036 (Guest)
Conference lock status: Conference is not locked
Content: No current presentation
Lock conference

All participants

Endpoint	Type	Authority
<input type="checkbox"/> C90.CIBU.Tokyo@ciscotcp.com	Standard	Chair
<input type="checkbox"/> SX20-1	Standard	Chair
<input type="checkbox"/> SX20-2	Standard	Chair

Conference "HD-20" status

Status: Active (4 endpoints, 4 screens)
URIs: 88800038 (Chair), 88800038 (Guest)
Conference lock status: Conference is not locked
Content: No current presentation
Lock conference

All participants

Endpoint	Type	Authority
<input type="checkbox"/> C20.CIBU.Tokyo	Standard	Chair
<input type="checkbox"/> C40.CIBU.Tokyo@ciscotcp.com	Standard	Chair
<input type="checkbox"/> T6000MXP1@ciscotcp.com	Standard	Chair
<input type="checkbox"/> T6000MXP2@customer.com	Standard	Chair

Conference "SD-10" status

Status: Active (6 endpoints, 6 screens)
URIs: 88800040 (Chair), 88800041 (Guest)
Conference lock status: Conference is not locked
Content: No current presentation
Lock conference

All participants

Endpoint	Type	Authority	Status
<input type="checkbox"/> Edge1.CIBU.Tokyo	Standard	Chair	In conference [More...]
<input type="checkbox"/> PSTT6000Classic_APAC	Standard	Chair	In conference [More...]
<input type="checkbox"/> T150MXP1.Tokyo	Standard	Chair	In conference [More...]
<input type="checkbox"/> T150MXP2.Tokyo	Standard	Chair	In conference [More...]
<input type="checkbox"/> T150MXP3.Tokyo@ciscotcp.com	Standard	Chair	In conference [More...]
<input type="checkbox"/> tomo.external@ciscotcp.com	Standard	Chair	In conference [More...]

Previous participants

Endpoint	Type	Reason for disconnection
No endpoints		

Support Resource Optimization

Multiple video quality conference on TPS

- Conference status on TPS
 - ✓ Managing multiple video quality Endpoint/UA

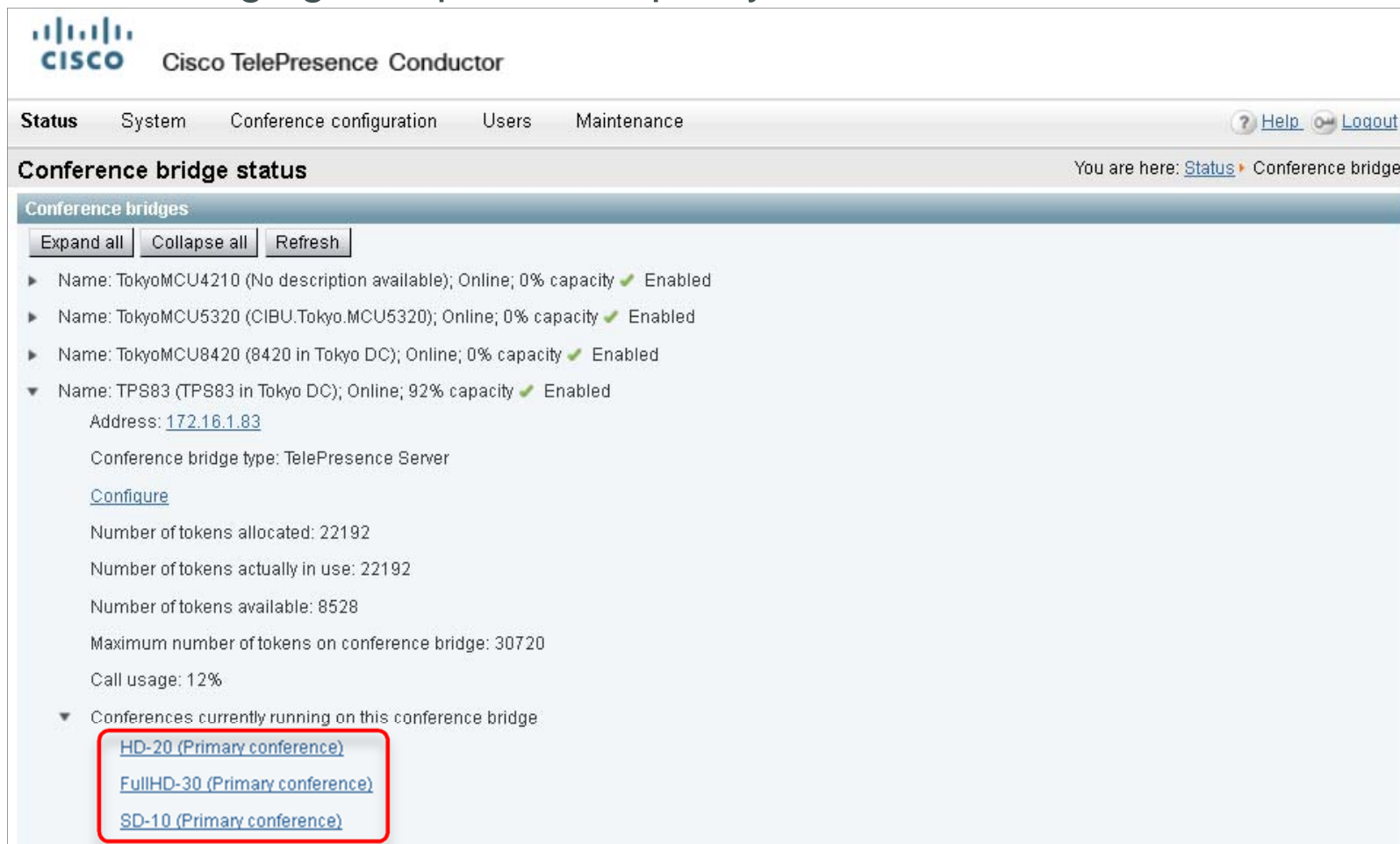
The screenshot displays the Cisco TelePresence Server web interface. The top navigation bar includes 'Status', 'Network', 'Configuration', 'Conferences', 'Users', and 'Logs'. The user is logged in as 'admin'. The main content area is titled 'Status' and contains several sections:

- System status:** A table listing system details such as Model (TelePresence Server 8710), Serial number (SM021DF3), Software version (3.0(2.15)), Uptime (12 days, 22 hours, 47 minutes), and IP address (172.16.1.83).
- Activated features:** A table showing features like TelePresence Server 8710 activation, Encryption, and Cluster support, all of which are 'Enabled'. The 'Screen licenses' row is highlighted with a red box and shows a value of 12.
- Conference status:** A table showing 'Active conferences' (3), 'Active participants' (13 (13 calls)), and 'Previous participants' (4 (4 previous calls)). This section is also highlighted with a red box.
- System log:** A log entry at the bottom showing the timestamp '06:32:34.00 02/11/12 - Unknown'.

Support Resource Optimization

Multiple video quality conference on TPS

- Conference status on TelePresence Conductor
 - ✓ Managing multiple video quality conferences on TPS



The screenshot displays the Cisco TelePresence Conductor web interface. At the top, the Cisco logo and 'Cisco TelePresence Conductor' are visible. Below the navigation bar, the 'Conference bridge status' page is shown. The page includes a breadcrumb trail: 'You are here: Status > Conference bridges'. The main content area is titled 'Conference bridges' and contains several controls: 'Expand all', 'Collapse all', and 'Refresh'. A list of conference bridges is displayed, each with a status indicator (green checkmark for 'Enabled') and a capacity percentage. The bridge 'TPS83 (TPS83 in Tokyo DC)' is expanded, showing its address (172.16.1.83), type (TelePresence Server), and token allocation details. Underneath, a section titled 'Conferences currently running on this conference bridge' lists three active conferences: 'HD-20 (Primary conference)', 'FullHD-30 (Primary conference)', and 'SD-10 (Primary conference)'. These three items are enclosed in a red rectangular box.

Conference bridge status You are here: [Status](#) > [Conference bridges](#)

Conference bridges

[Expand all](#) [Collapse all](#) [Refresh](#)

- ▶ Name: TokyoMCU4210 (No description available); Online; 0% capacity ✓ Enabled
- ▶ Name: TokyoMCU5320 (CIBU.Tokyo.MCU5320); Online; 0% capacity ✓ Enabled
- ▶ Name: TokyoMCU8420 (8420 in Tokyo DC); Online; 0% capacity ✓ Enabled
- ▼ Name: TPS83 (TPS83 in Tokyo DC); Online; 92% capacity ✓ Enabled
 - Address: [172.16.1.83](#)
 - Conference bridge type: TelePresence Server
 - [Configure](#)
 - Number of tokens allocated: 22192
 - Number of tokens actually in use: 22192
 - Number of tokens available: 8528
 - Maximum number of tokens on conference bridge: 30720
 - Call usage: 12%
 - ▼ Conferences currently running on this conference bridge
 - [HD-20 \(Primary conference\)](#)
 - [FullHD-30 \(Primary conference\)](#)
 - [SD-10 \(Primary conference\)](#)

Support Resource Optimization

Multiple video quality conference on TPS

- Conference status on TelePresence Conductor
 - ✓ Managing multiple video quality conferences on TPS

The image displays three screenshots of the Cisco TelePresence Conductor interface, illustrating the status of multiple video quality conferences. Each screenshot shows the 'Conferences status' page with a list of active conferences and their details.

Left Screenshot: Full HD Conference

- Number of active conferences: 3
- Name: FullHD-30, State: running
- Name: FullHD-30** (highlighted in red)
- Full HD Conference** (highlighted in red)
- Conference bridge type: TelePresence Server
- Reserved chairperson tokens: 0
- Used chairperson tokens: 0
- Reserved tokens: 0
- Used tokens: 9888
- Reserved content tokens: 0
- Number of participants: 3
- Primary bridge: TPS83 [Configure](#) [View status](#)
- Reserved tokens: 0
- Used tokens: 9888
- Number of participants: 3** (highlighted in red)
- Conference created at: 2012-11-15 13:08:50
- Conference template: [Conference Call-Full HD](#)
- [View the conference status on its own](#)
- [View the participants in this conference](#)

Middle Screenshot: HD Conference

- Number of active conferences: 3
- Name: HD-20, State: running
- Name: HD-20** (highlighted in blue)
- HD Conference** (highlighted in blue)
- Conference bridge type: TelePresence Server
- Reserved chairperson tokens: 0
- Used chairperson tokens: 0
- Reserved tokens: 0
- Used tokens: 6736
- Reserved content tokens: 0
- Number of participants: 4
- Primary bridge: TPS83 [Configure](#) [View status](#)
- Reserved tokens: 0
- Used tokens: 6736
- Number of participants: 4** (highlighted in blue)
- Conference created at: 2012-11-15 13:10:03
- Conference template: [Conference Call-HD](#)
- [View the conference status on its own](#)
- [View the participants in this conference](#)


Right Screenshot: SD Conference

- Number of active conferences: 3
- Name: SD-10, State: running
- Name: SD-10** (highlighted in green)
- SD Conference** (highlighted in green)
- Conference bridge type: TelePresence Server
- Reserved chairperson tokens: 0
- Used chairperson tokens: 0
- Reserved tokens: 0
- Used tokens: 5568
- Reserved content tokens: 0
- Number of participants: 6
- Primary bridge: TPS83 [Configure](#) [View status](#)
- Reserved tokens: 0
- Used tokens: 5568
- Number of participants: 6** (highlighted in green)
- Conference created at: 2012-11-15 13:14:03
- Conference template: [Conference Call-SD](#)
- [View the conference status on its own](#)
- [View the participants in this conference](#)

Support Resource Optimization

Multiple video quality conference on TPS

- Call status on VCS
 - ✓ Managing multiple video quality conferences on TPS

 Cisco TelePresence Video Communication Server Control

Status System VCS configuration Applications Maintenance [? Help](#) [Logout](#)

Call status You are here: [Status](#) > [Calls](#) > [Calls](#)

Records: 13 Page 1 of 1

	Start time ▲	Duration	Source	Destination	Type	Protocol	Peer	Actions
<input type="checkbox"/>	2012-11-15 13:15:17	14 minutes 51 seconds	tomo.external@ciscotps.com	155310	SD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:14:34	15 minutes 34 seconds	200013	155310	SD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:14:09	15 minutes 59 seconds	200014	155310	SD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:14:07	16 minutes 1 second	T150MXP3.Tokyo@ciscotps.com	155310	SD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:14:06	16 minutes 2 seconds	100111	155310	SD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:14:03	16 minutes 5 seconds	110110	155310	SD Conference	<-> H323	2	View
<input type="checkbox"/>	2012-11-15 13:10:27	19 minutes 41 seconds	C40.CIBU.Tokyo@ciscotps.com	155220	HD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:10:20	19 minutes 48 seconds	100116	155220	HD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:10:06	20 minutes 2 seconds	T6000MXP2@customer.com	155220	HD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:10:02	20 minutes 6 seconds	T6000MXP1@ciscotps.com	155220	HD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:08:55	21 minutes 13 seconds	C90.CIBU.Tokyo@ciscotps.com	155130	Full HD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:08:51	21 minutes 17 seconds	SX20-1	155130	Full HD Conference	<-> H323	This system	View
<input type="checkbox"/>	2012-11-15 13:08:49	21 minutes 19 seconds	SX20-2	155130	Full HD Conference	<-> H323	This system	View

