

# INSPIRATION<sup>neo</sup> for Compliance

## Traders module



## User manual

5/30/2022

### Product line Neo, version 7.x

The described functions can be used with the following ASC products:

INSPIRATION<sup>neo</sup> for Compliance

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## 1 General information

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## 2 Introduction

The Traders module offers an overview of traders, their activities, their and current conversations.



In the Traders module, only those traders are displayed who have been assigned to you in the organization structure or those to whose data you have access.

The following functions are available in the Traders module:

- Editing and administrating trader data created in the System Configuration.
- Replaying activities
- Live streaming functionality to influence the recording and listen in on the conversation.

Open the Traders module by clicking on the menu item *Traders* in the navigation bar.



Basic information about using the application *INSPIRATIONneo* for Compliance can be found in the user manual *INSPIRATIONneo for Compliance - General information*.

## 3

## Main view

The main view displays all traders to whose data you have access.

Agents ▾ General ▾					
Live Streaming Status	Employee Number ↕	First Name ↕	Last Name ↕	Login Name ↕	Date of Entry ↕
✗	001	ASC1	ASC1		
✗	3333	Friedrich	Unger		03/01/2008
✗		111	Agent	caliskan	
✗	1000	10.	Agent		
✗	900	9.	Agent		

Rows per page 50 ▾ 1 - 13 of 13 < << >> >

Fig. 1: Main view

Depending on the configuration of the columns, the following information is displayed in the main view:




<i>Live Streaming Status</i>	Shows the live streaming status of the trader. ✗ = Trader is in live streaming. ✓ = Trader is not in live streaming.
<i>Employee Number</i>	Shows the employee number of the trader.
<i>First Name</i>	Shows the trader's first name.
<i>Last Name</i>	Shows the trader's last name.
<i>Login Name</i>	Shows the trader's login name.
<i>Date of Entry</i>	Shows the trader's date of entry.
<i>Date of Birth</i>	Shows the trader's date of birth.
<i>E-Mail</i>	Shows the trader's e-mail address.
<i>Visible</i>	Shows whether the trader is visible. 👁 = visible 🚫 = invisible
<i>Default Template</i>	Shows the selected default evaluation template. <b>NOTICE!</b> Evaluation templates are created in the Evaluation Templates module.
<i>Comment</i>	Shows comments about the trader.
<i>Member Of</i>	Shows the trader's organization unit.
<i>Risk Value</i>	Shows a possible risk value of the trader if a risk profile has been created for this trader in the Templates module.
<i>Creation Date</i>	Date on which the trader was created in the database.
<i>Updated</i>	Shows the date on which the entries were updated for the last time.

## 3.1 Toolbar

The toolbar offers the following functions:



Fig. 2: Toolbar main view

	<i>Search</i>	Opens the window of the search function. The search function allows searching systematically for sets of data which meet certain criteria, see <a href="#">chapter "Search", p. 8</a> .  The icon  ( <i>Search</i> ) is displayed whenever the search has been adjusted by means of a filter.
	<i>Reset search</i>	Resets all manually entered search criteria. The search is started without manual filter settings.
<i>Trader</i>		This option is not available.
<i>General</i>	<i>Print</i>	Prints the table of the main view.
	<i>Adjust Table</i>	Opens a window where you can adjust the following settings for the main view: <ul style="list-style-type: none"> <li>• Displayed information</li> <li>• Order of the displayed columns.</li> <li>• Number of rows per page</li> </ul>
	<i>General Help</i>	By clicking on the menu item <i>General Help</i> , a description of the application you are currently viewing is opened.
	<i>Module Help</i>	By clicking on the menu item <i>Module Help</i> , a description of the module you are currently viewing is opened.





In the user manual *INSPIRATIONneo for Compliance - General information*, you find detailed descriptions of the default functions such as *Print*, *Adjust table* or *Help* if required.

### 3.1.1

#### Search

The search function allows searching systematically for sets of data which meet certain criteria.

1. In the toolbar, click on the icon  or  (*Search*).  
⇒ The window *Search Criteria* appears.

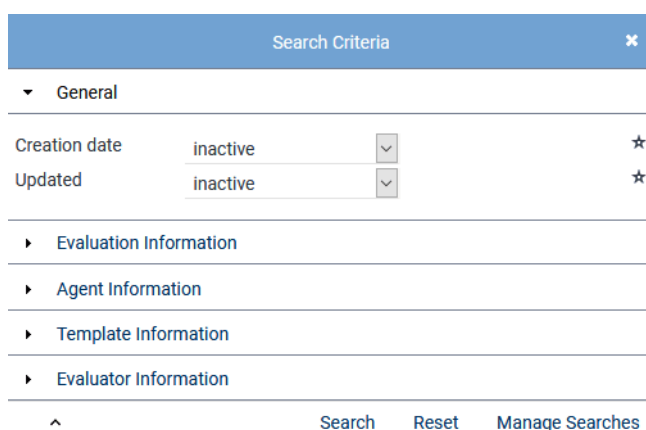





Fig. 3: Window Search Criteria (example)

2. Set the respective search criteria.  
**NOTICE!** It depends on the respective module which search criteria are available.
3. To start the search, click on the button *Search*.  
To reset all manually entered search criteria, click on the button *Reset*.  
⇒ After running the search, only those sets of data are displayed in the main view which meet the set search criteria.



4. To display all original sets of data in the main view again, i. e. to reset the manually entered search criteria, click on the icon  (*Reset search*) in the toolbar.

By clicking on the button *Manage Searches*, you can save the defined search criteria under an unambiguous name, load saved search criteria or delete them.

By clicking on the icon  , you can tag the search criterion as favorite. Criteria tagged as favorite are displayed additionally in the upper area of the window *Search Criteria* and marked with the icon  .

---

If conversation rules (view filters) apply for the logged-in user, then predefined search settings are displayed in the search criteria of the following modules which comply with the filter settings of the conversation rules:



- Activities module
- Compliance Analysis module

You cannot delete these user-specific filter or search settings but it is possible to add criteria to filter the elements displayed in the main view.

---



A detailed description of the search function can be found in the user manual *INSPIRATION\$-neo\$ for Compliance - General information*.

## 4

## Detail view

The detail view contains additional information about and functions of the selected trader.

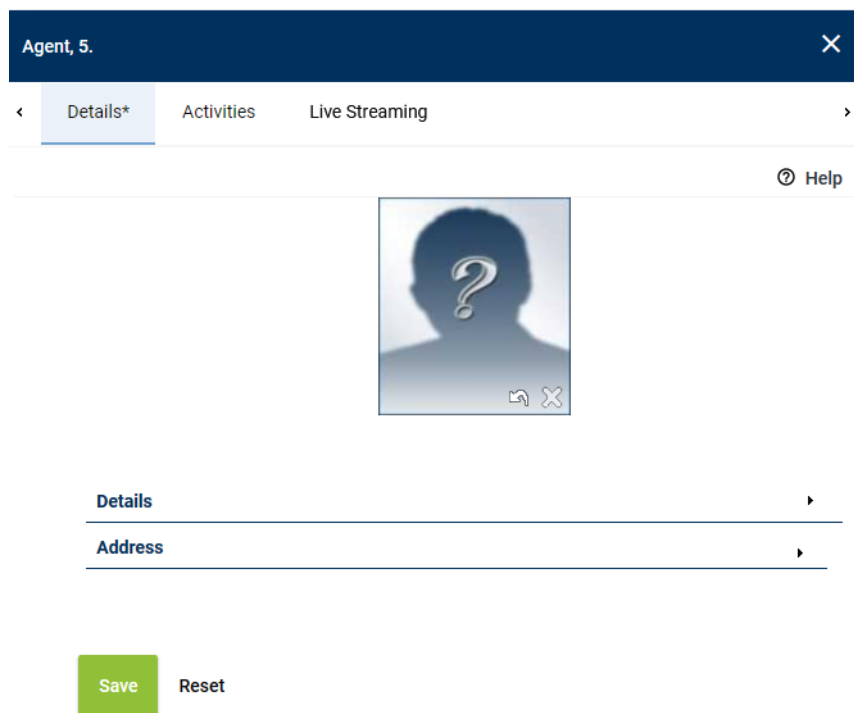


Fig. 4: Detail view

The detail view consists of the following tabs:

- **Details**  
Here, you can display and edit detailed information about the selected trader.  
See [chapter "Tab Details", p. 10](#).
- **Activities**  
Here, you can display and edit the selected trader's activities .  
See [chapter "Tab Activities", p. 13](#).
- **Live Streaming**  
Here, you can see whether the selected trader is on the phone and whether the conversation is being recorded.  
See [chapter "Tab Live Streaming", p. 16](#).

## 4.1

## Tab Details

Here, you can display and edit detailed information about the selected trader.

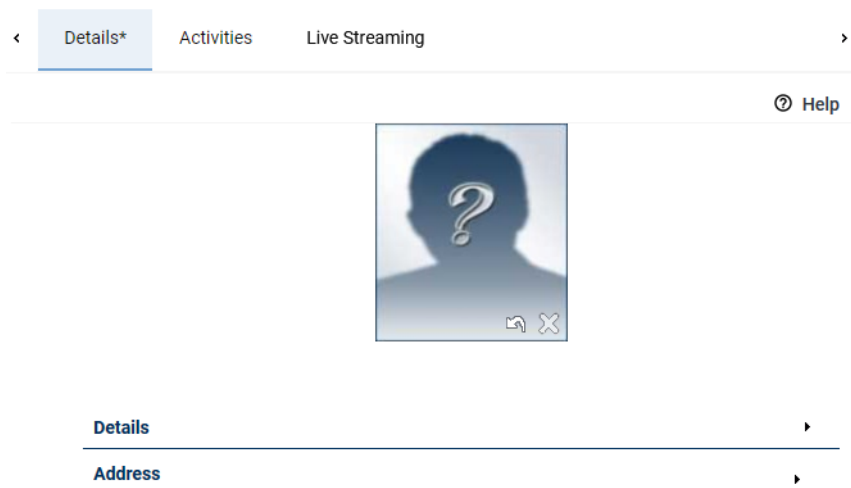
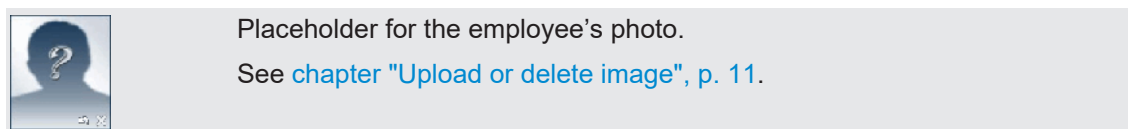


Fig. 5: Tab Details



## 4.1.1

**Upload or delete image**

1. Click on the icon  (*Upload image*) on the placeholder for the image.



Fig. 6: Upload image

⇒ The window *Upload File* appears.

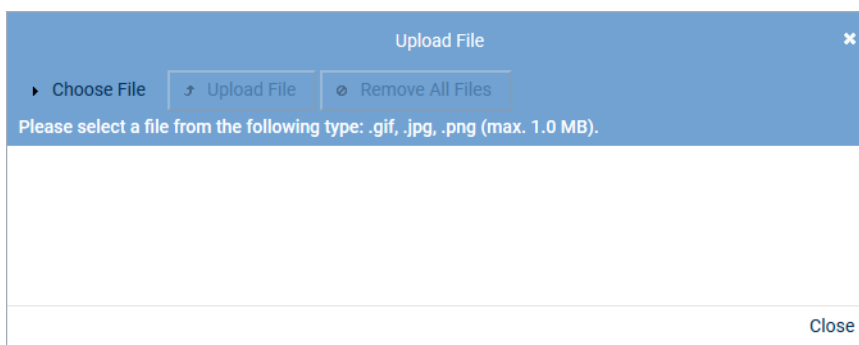


Fig. 7: Upload File


2. Click on the button *Choose File*.
3. Select the file via the Explorer and click on the button *Open*.



You can save several image files in the clipboard.

To empty the clipboard, click the button *Remove All Files*.

To remove only one file from the clipboard, click on the button  next to the file.

4. To apply an image in the detail view, click on the button *Upload file*.  
⇒ The image is displayed in the detail view.
5. If you would like to remove the image again, click on the icon  (*Delete image*) in the bottom right corner of the image.

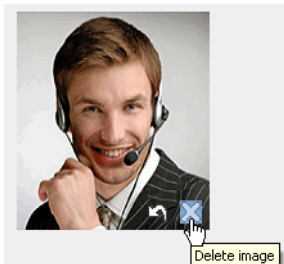


Fig. 8: Delete image (example)

⇒ The image is deleted from the detail view.

#### 4.1.2

#### Group field Details

Details	
Employee number	500
First name*	5.
Last name*	Agent
Date of birth	<input type="text"/>
Date of entry	<input type="text"/>
E-mail	<input type="text"/>
Login name	<input type="text"/>
Comment	<input type="text"/>

Fig. 9: Tab Details

<i>Employee number</i>	Employee number of the trader.
<i>First name</i>	First name of the trader.
<i>Last name</i>	Last name of the trader.
<i>Date of birth</i>	Date of birth of the trader. You can enter the date directly via the keyboard or by clicking on the icon.
<i>Date of entry</i>	Date when the trader entered the company. You can enter the date directly via the keyboard or by clicking on the icon.
<i>E-mail</i>	E-mail address of the trader.
<i>Login name</i>	Login name of the trader. <b>NOTICE!</b> The login name is displayed for information purposes only and cannot be changed.
<i>Comment</i>	Here, you can enter a comment about the trader.

#### 4.1.3

#### Group field Address

1. If you would like to add a contact address, open the group field *Address*.

**Address** ▼

+ Add Address

Fig. 10: Add address

- In the title bar of the group field, click on the button + Add Address.
- Enter the address.

**Address** ▼

– Delete Address

ZIP Code

Street

City

Country

Fig. 11: Add address




- If you would like to remove the address, click on the button – Remove Address in the title bar of the group field.




## 4.2 Tab Activities

Here, you see the activities of the selected trader.

<	Details*	Activities	Live Streaming	>
<div> <div>&lt;</div> <div> <div>🔍</div> <div>🔄</div> <div>🔄</div> <div>🔄</div> <div>🔄</div> <div>🔄</div> </div> </div>				
Session Start Time ↕		Trader ↕		
11/20/2018 12:33:36 AM		Agent, 5.		
11/20/2018 12:32:56 AM		Agent, 5.		
11/20/2018 12:30:56 AM		Agent, 5.		
11/20/2018 12:30:15 AM		Agent, 5.		
11/20/2018 12:28:15 AM		Agent, 5.		
11/20/2018 12:27:34 AM		Agent, 5.		
11/20/2018 12:25:35 AM		Agent, 5.		


Fig. 12: Tab Activities

	<b>Keep activity</b>	Sets the retention period of the selected activity to 100 years in the database.
	<b>Remove activity</b>	Resets the retention period of the selected activity to the original value.
		<b>NOTICE!</b> The function is only active if the retention period of the activity has been changed with the function <i>Keep activity</i> .
	<b>Load</b>	Loads the selected activity into the Replay module to be replayed, see <a href="#">chapter "Load selected activity", p. 14.</a>

	This option is not available.
 <i>Export</i>	Exports the selected activity, see <a href="#">chapter "Export activity", p. 15.</a>
 <i>Change comment</i>	The button opens a window in which you can edit the comment of a selected activity.  <b>NOTICE!</b> The comment about the activity is displayed in the Activities module.

#### 4.2.1 Load selected activity

This function allows loading and replaying the activities.


1. Select the activity you would like to replay in the list.
2. Click on the icon  (*Load*) in the toolbar.
3. Select one of the following options:

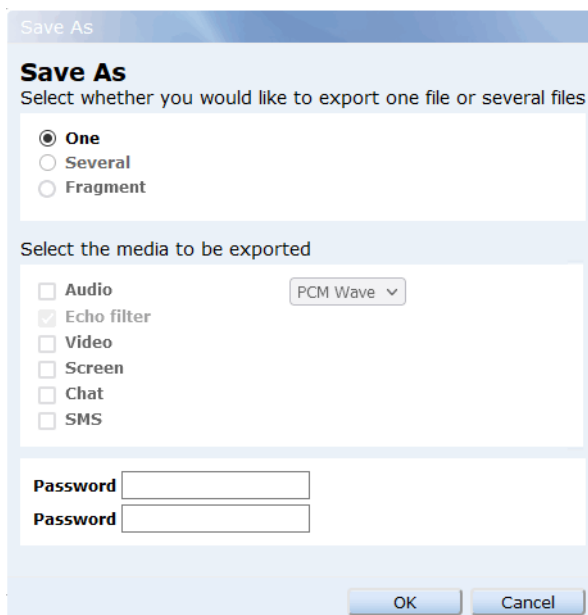
<i>Load All</i>	The entire recorded activity is loaded into the Replay module.  If a screen recording has been saved, then the screen video is displayed in the Video Viewer of the Replay module.  If a text message has been saved, then the SMS or SDS recording is displayed in a separate window of the Replay module.  If a chat recording has been saved, then the chat text is displayed in the Message Viewer of the Replay module.  If a camera recording has been saved, then the camera video is displayed in the Video Viewer of the Replay module.
<i>Load Voice Recording</i>	The voice recording of the activity is loaded into the Replay module.  This option is only active if a voice recording has been saved for the selected activity.
<i>Load Screen Recording</i>	The screen recording of the activity is loaded into the Video Viewer of the Replay module.  This option is only active if a screen recording has been saved for the selected activity.
<i>Load Text Message</i>	The text message (SMS or SDS) of the activity is loaded into the Message Viewer of the Replay module.  This option is only active if a text message has been saved for the selected activity.
<i>Load Chat Text</i>	The chat recording of the activity is loaded into the Message Viewer of the Replay module.  This option is only active if a chat recording has been saved for the selected activity.
<i>Load Video</i>	The camera recording of the activity is loaded into the Video Viewer of the Replay module.  This option is only active if a camera recording has been saved for the selected activity.

4. The activity is loaded into the Replay module and can be replayed there.  
For information about the functions of the Replay module see [chapter "Replay module", p. 19.](#)

## 4.2.2

## Export activity

- Click on the icon  (*Export*).  
⇒ The following window appears:



The 'Save As' dialog box has a title bar 'Save As'. Below the title bar, it says 'Save As' and 'Select whether you would like to export one file or several files'. There are three radio buttons: 'One' (selected), 'Several', and 'Fragment'. Below this, it says 'Select the media to be exported'. There are checkboxes for 'Audio', 'Echo filter' (checked), 'Video', 'Screen', 'Chat', and 'SMS'. Next to the 'Audio' checkbox is a dropdown menu showing 'PCM Wave'. At the bottom, there are two 'Password' input fields. At the very bottom are 'OK' and 'Cancel' buttons.

Fig. 13: Save as

- Select the respective option in the window *Save As*.

<i>One</i>	<p>Mixes all recordings of one or several conversations in one file.</p> <p><b>NOTICE!</b> If you select several conversations, the gap between them is filled with silence. Selecting conversations with a large gap between them results in very large <b>WAVE</b> files. Therefore, make sure to only select conversations which are not separated by a large gap.</p>
<i>Several</i>	Creates its own file for each recording to be saved.
<i>Fragment</i>	Only data contained in the set loop are saved. All other data is discarded.
<i>Audio</i>	<p>Saves the audio data.</p> <p>Select the audio format from the drop-down list:</p> <ul style="list-style-type: none"> <li><i>PCM Wave</i> <p>With <b>PCM</b>, the output file is not compressed and can be replayed by almost any player. This method requires a lot of storage capacity.</p> </li> <li><i>MP3</i> <p>With <b>MP3</b>, the output file is compressed and can be replayed by almost any player. When using <b>MP3</b>, less storage space is required for high-quality recordings than when exporting conversations in <b>WAVE</b> format.</p> </li> </ul>
<i>Echo filter</i>	The echo filter has been activated for export by default. The echo filter detects and removes duplicate recordings for the respective participants within calls so that there is no echo in the replayed recordings caused by time offset of recording duplicates. If you would like to deactivate the echo filter for export, remove the check mark from the check box.
<i>Video</i>	<p>Saves the <b>video data</b>.</p> <p>Video is exported in <b>MP4</b> format with video codec H.264. If the conversation contains more than one stream, only the first stream is exported.</p>
<i>Screen</i>	Saves the screen recordings.

<i>Chat</i>	Saves the chat text.
<i>SMS</i>	Saves the SMS data.
<i>Password</i>	Protects the ZIP file with a password.

3. Click on the button **OK**.

⇒ The following window appears:

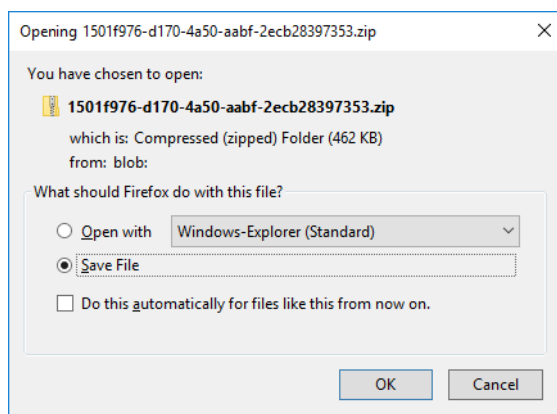


Fig. 14: Save conversations

4. Select the option *Save File*.

5. Click on the button **OK**.

⇒ The elements are exported to the local download directory in a ZIP file.

The ZIP file contains the following files:

The audio data is saved as **WAVE** or **MP3** file(s).

Audio data and screen recordings are saved as MP4 file(s).

Video data is saved as MP4 file(s).

Screen data is saved as MP4 file(s).

The corresponding meta data is saved in the same directory as CSV file(s) under the same file name.

Chat texts are saved as **XML** file(s).

SMS data is saved as **XML** file(s).

### 4.3 Tab Live Streaming

Here, you can see whether the selected trader is on the phone and whether the conversation is being recorded.

The trader's current conversation is displayed here when the following conditions are given.

- The trader has been assigned an extension.
- In the Servers module, the option *Recording control/Live streaming* has been activated.
- The option *API* has been activated for *external recording control* in the recording plan.



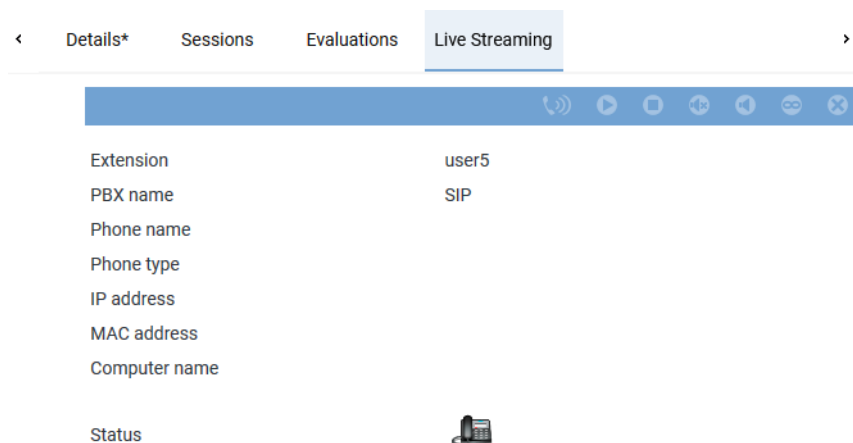










Fig. 15: Tab Live Streaming

The functions in the toolbar of this tab allow you to influence the recording of the conversation. Which function are available depends on the settings in the recording plan and on the current recording status of the conversation.







	<i>Start live streaming</i>	Starts the function <i>Live streaming</i> . This function allows listening in on the active call.
	<i>Stop live streaming</i>	Stops the function <i>Live streaming</i> .
	<i>Start recording</i>	Starts the recording
	<i>Stop recording</i>	Stops the recording
	<i>Mute recording</i>	Mutes the active call recording and blacks out the active screen recording.
	<i>Unmute recording</i>	Unmutes the active call recording and removes the black screen for the active screen recording or video recording.
	<i>Save recording at the end of the conversation</i>	Saves the recording. This function allows saving the recording even if the recording plan says that the recording is supposed to be discarded.
	<i>Delete recording at the end of the conversation</i>	Deletes the recording. The recording is deleted even if the recording plan says that the recording is supposed to be saved.

The following information is displayed in the tab:

<i>Extension</i>	Extension which has been assigned to the trader.
<i>PBX name</i>	Name of the <a href="#">PBX</a> that the assigned extension belongs to.
<i>Phone name</i>	Name of the phone via which the conversation is running.
<i>Phone type</i>	Type of the phone via which the conversation is running.
<i>IP address</i>	<a href="#">IP</a> address of the end device via which the conversation is running.
<i>MAC address</i>	MAC address of the end device via which the conversation is running.
<i>Computer name</i>	Name of the computer on which the recording is running.
<i>Status</i>	Current conversation status on the end device. The status is displayed by means of an icon. See <a href="#">chapter "Icons end devices status"</a> , p. 18.

Tab. 1: Conversation details

#### 4.3.1 Icons end devices status

	<i>No conversation available</i>	No conversation takes place on the end device.
	<i>No recording available</i>	A conversation takes place on the end device. The conversation is not being recorded.
	<i>Recording available</i>	A conversation takes place on the end device. The conversation is being recorded. The recording will be saved after the conversation.
	<i>Recording will be deleted at the end of the conversation</i>	A conversation takes place on the end device. The conversation is being recorded. The recording will be discarded after the conversation.
	<i>Recording muted</i>	A conversation takes place on the end device. The conversation is being recorded. The recording has been muted. The recording will be saved after the conversation.
	<i>Recording has been muted and will be deleted at the end of the conversation</i>	A conversation takes place on the end device. The conversation is being recorded. The recording has been muted. The recording will be discarded after the conversation.

Tab. 2: End devices status

## 5      **Replay module**

The Replay module serves to replay conversations. Conversations which are supposed to be replayed must be selected in the main view and loaded into the Replay module.

If conversations with screen or camera recordings are loaded into the Replay module, the window of the Video Viewer opens automatically for replaying the [video recording](#), see [chapter "Video Viewer", p. 33](#). The replay functions are executed synchronously for the conversation in the Replay module and for the video recording in the Video Viewer.

If conversations with chat texts or text messages (SMS or SDS) are loaded into the Replay module, the window of the Message Viewer opens automatically for displaying the chat texts or the text messages recording, see [chapter "Message Viewer", p. 35](#).

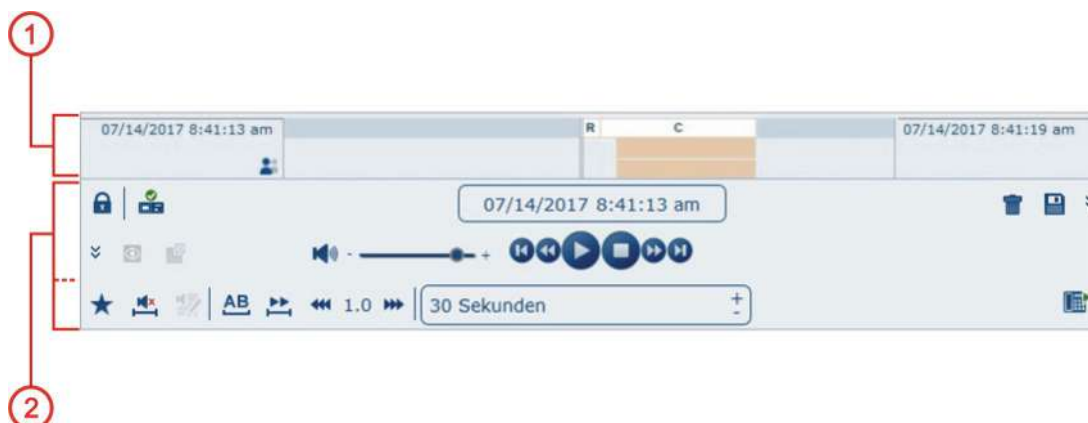




Fig. 16: Welcome screen (example)

1	Replay bar	Shows the loaded conversations, see <a href="#">chapter "Replay bar", p. 19</a> .
2	Functionality bar	Contains functionalities for the loaded conversations in the replay bar, see <a href="#">chapter "Functionality bar", p. 23</a> .

The configured settings in the functionality bar of the Replay module such as e. g. *Expanded view*, *Simple view*, *Lock element* etc., are automatically saved for the logged-in user. The settings of the Replay module are also applied when used in other modules or after a logoff/login.

### 5.1      **Replay bar**

The replay bar shows the loaded conversations.

In the replay bar, there are 2 different views: the full view and the compressed view. To switch the view, go to the functionality bar on the right and click on the icon  (Switch to full view) or  (Switch to compressed view).

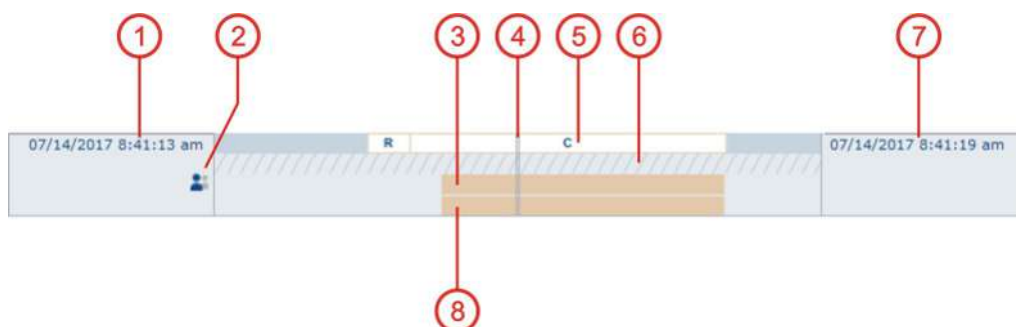


Fig. 17: Replay bar in full view

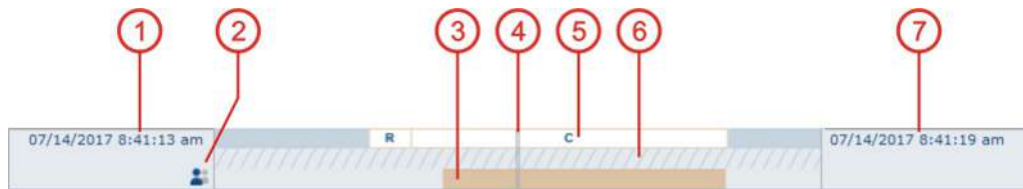







Fig. 18: Replay bar in compressed view

- 1 Shows the start time of the loaded conversation.  
If several conversations have been loaded in 1 track, the start time of the earliest conversation is displayed here.
- 2 Displays information about the conversation participants.  
The information is only visible when the replay bar is displayed in full view.  
  -  = internal participants
  -  = external participants
  -  = mixed track with internal and external participants
  -  = unknown participants
  -  = screen recording
 To display the phone numbers of the participants in one track, move the mouse cursor across the participants icon.
- 3 Shows track 1 of a loaded conversation. For further information see [chapter "Display of the loading states", p. 21](#).
- 4 Displays the replay position.  
There are two options to change the current replay position of the loaded conversation:
  1. Click on the respective position with the mouse cursor.
  2. Click on a track, hold the mouse key down and drag it to the required position.
- 5 Displays the sections of a conversation.  
The following sections are possible:
  - R = Ringing (a connection is being established)
  - C = Connected (at least 2 participants are calling each other)
  - H = Hold (a participant is on hold)
  - Q = Queued (a participant is being queued)
  - W = Wrap-up (wrap-up time)
- 6 Shows tagging and compliance analysis data (e. g. found keywords).  
The line is only displayed if information is available.
- 7 Shows the end time of the loaded conversation.  
If several conversations have been loaded in 1 track, the end time of the last conversation is displayed here.
- 8 Shows track 2 of a loaded conversation. For further information see [chapter "Display of the loading states", p. 21](#).

### 5.1.1 Full view

In the full view, all tracks for voice and screen recording which belong to the loaded conversation are displayed in the replay bar of the Replay module.

When replaying stereo recordings with several internal participants, an echo effect occurs because the voices of some participants have been recorded several times. To avoid the echo effect, tracks with double recording have to be muted.

### 5.1.2 Compressed view

In the compressed view, no individual tracks for voice and screen recording are displayed in the replay bar of the Replay module. All recordings of a loaded conversation are combined in one group within one track.

In the compressed view, double recordings are suppressed automatically to avoid echo effects. If errors occur during recording, display the replay bar in full view and mute the single tracks manually.

### 5.1.3 Display of the loading states

The loaded conversation is assigned a basic color from a defined color palette.

The replay bar of the conversation shows its loading state. In the following, you find a description of the possible loading states.

1. Basis color (e. g. light brown) = Meta data loaded completely.

⇒ The conversation can be replayed.



Fig. 19: Metadata loaded completely

2. Empty = Metadata for the recording are missing.

⇒ The conversation cannot be replayed.



Fig. 20: Metadata for the recording is missing

3. Red-stripes basic color (only in full view) = Audio data of the recording is defective.

⇒ The conversation cannot be replayed.



Fig. 21: Defective packet in the metadata of the recording (full view)

4. Red dotted basic color (only in full view) = Packet in the meta data of the recording is missing.

⇒ The conversation cannot be replayed.

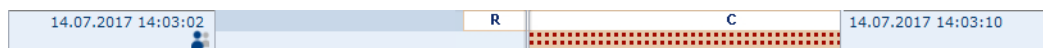


Fig. 22: Missing packet in the metadata of the recording (full view)

5. Red exclamation mark (only in compressed view) = Audio data of the recording is defective or packet in the metadata of the recording is missing.

For a more precise specification of the diagram change to the full view.

⇒ The conversation cannot be replayed.



Fig. 23: Defective or missing packet in the metadata of the recording (compressed view)

6. Basic color, light (e. g. ocher, light) = Data buffer empty.

Basic color (e. g. ocher) = Data buffer loaded.

⇒ The conversation can be replayed. An empty data buffer is reloaded automatically. If the server connection is slow, the replay may stop. As soon as the data buffer has been reloaded, the replay continues.



Fig. 24: Data buffer empty/loaded

7. Red = Data buffer not loaded completely.

⇒ The conversation is defective and cannot be replayed.

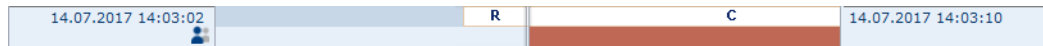


Fig. 25: Data buffer not loaded completely.

8. Basis color (e. g. light brown) = Meta data loaded completely.

Red = Data buffer not loaded completely.

⇒ In the basic color section, the conversation can be replayed.

⇒ In the red section, the conversation is defective and cannot be replayed.

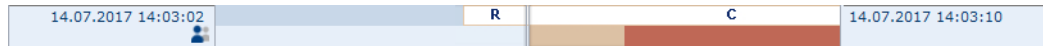


Fig. 26: Data buffer not loaded completely.

9. Purple = Packet is muted during the recording.

⇒ The conversation can be replayed. There is nothing to be heard since no audio data has been recorded. Packets which have once been muted are muted permanently and cannot be changed afterwards.

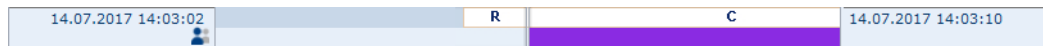


Fig. 27: Packet is muted during the recording.

10. Basis color (e. g. light brown) = Meta data loaded completely.

Purple, light = Conversation section muted

⇒ The conversation can be replayed. In the muted conversation section, silence is replayed. The muted conversation section can be deleted so that the audio data can be replayed.



Fig. 28: Conversation section muted

11. Gray = The recording contains data which is not supported.

⇒ The conversation cannot be replayed.

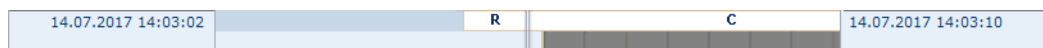


Fig. 29: The recording contains data which is not supported.

12. Black = Recording blocked.

⇒ The conversation cannot be replayed due to a missing license during recording.



Fig. 30: Recording blocked

#### 5.1.4 Display of detected emotions

If an emotion detection job has found emotions in the conversation, they are displayed in the loaded conversation with color markings. The position and length of the color markings mirror the occurrence and duration of the sentiment in the conversation.



Fig. 31: Emotions detected in a conversation (example)

In the following, you find a description of the possible color markings:

- Light blue indicates sections of silence.

- Red indicates high-volume sections.
- Yellow indicates sections of cross talk or of massive cross talk.
- Green indicates unsuspecting audio sections.

### 5.1.5 Displaying spotted keywords

If a keyword spotting job has found keywords in the conversation, they are displayed in the loaded conversation as black triangles. The position and length of the triangles mirror the occurrence and duration of the keyword in the conversation.



Fig. 32: Spotted keywords in a conversation (example)

If the replay reaches the triangle, a replay information with the details of the spotted keyword is displayed.










Fig. 33: Replay information with details of spotted keyword (example)
















## 5.2 Functionality bar

The functionality bar contains functionalities for the loaded conversations in the replay bar.









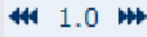






### 5.2.1 Icons

In the following, you find a description of the icons.

	<i>Play/ Pause</i>	Starts the replay. If several conversations have been loaded into the Replay module, the conversations may be replayed in parallel if the recording times overlap.
		Pauses the replay.
	<i>Stop</i>	Stops the replay.
	<i>Rewind</i>	Jumps back 5 seconds from the current replay position.
	<i>Back</i>	Jumps to the start of the current or of the previous conversation.
	<i>Fast-forward</i>	Jumps ahead 5 seconds from the current replay position.
	<i>Next</i>	Jumps to the start of the next conversation.

	<i>Lock element</i>	Shows that the lock for the Replay module has been deactivated. As a result, several conversations can be loaded into the Replay module.  <b>Note:</b> In principle, you can load several video recordings into the Video Viewer. However, you can only replay one of them at any given moment.
		Shows that the lock for the Replay module has been activated. As a result, only one conversation can be loaded into the Replay module.
	<i>Reconnect to the replay component</i>	Refreshes the server connection.
	<i>Display video window</i>	Shows the Video Viewer in the main view of the application.
	<i>Hide video window</i>	Shows the main view of the application. The Video Viewer integrated into the main view is hidden.
	<i>Detach Video Viewer</i>	Displays the Video Viewer in its own window.
	<i>Attach Video Viewer</i>	Closes the window of the Video Viewer.
	<i>Echo filter on/off</i>	Shows that the echo filter has been activated.
		Shows that no echo filter has been activated.
	<i>Speaker on/off</i>	Shows that the speaker for the conversation has been activated.
		Shows that the speaker for the conversation has been deactivated.
	<i>Volume</i>	Adjusts the general replay volume.  To change the volume, click on the slider, hold the mouse key down and move the slider to the left or to the right.
	<i>Clear playlist</i>	Removes all loaded conversations from the Replay module.
	<i>Export all loaded elements</i>	Saves the audio data of the loaded conversations as <a href="#">WAVE</a> or <a href="#">MP3</a> file and the corresponding additional conversation data as CSV file on the hard disk of your computer, see <a href="#">chapter "Export all loaded elements", p. 26</a> .
	<i>Create new bookmark</i>	Sets a bookmark or marks the beginning of a conversation section at the current replay position, see <a href="#">chapter "Create new bookmark", p. 28</a> .



		Sets a bookmark or marks the end of a conversation section at the current replay position. You can enter a comment for the marked area between the 2 associated bookmarks, see <a href="#">chapter "Create new bookmark", p. 28.</a>
	<i>Create new mute notification</i>	Marks the beginning of a conversation section at the current replay position in order to mute selected participants, see <a href="#">chapter "Create new mute notification", p. 30.</a>
		Marks the end of a conversation section at the current replay position in order to mute selected participants, see <a href="#">chapter "Create new mute notification", p. 30.</a>
	<i>Loop</i>	Marks the beginning of a replay loop at the current replay position, see <a href="#">chapter "Mark replay loop", p. 32.</a>
		Marks the end of a replay loop at the current replay position, see <a href="#">chapter "Mark replay loop", p. 32.</a>
		Removes the taggings of the replay loop, see <a href="#">chapter "Mark replay loop", p. 32.</a>
	<i>Skip silence</i>	Shows that the automatic skipping of times of silence sections in a conversation and of mute sections between individual conversations has been deactivated.
		Shows that the automatic skipping of times of silence sections in a conversation and of mute sections between individual conversations has been activated.  The silence sections found by an emotion detection job are skipped during the replay of the conversation. If several conversations are loaded into the Replay module, then the mute sections between the individual conversations are skipped during replay, too.
		Shows the current replay speed.  The replay speed can be adjusted between 0.5 and 2.0. To reduce the replay speed, click on the icon  <i>Reduce replay speed.</i> To increase the replay speed, click on the icon  <i>Increase replay speed.</i>
	<i>Replay via phone</i>	Shows that the conversation replay via phone has been deactivated.
		Shows that the conversation replay via phone has been activated.  To replay loaded conversations, click on the icon  (Play).
		Shows the time window for the loaded conversations.  You can enter the time window in 25 steps from 1 second to 14 days. There are 2 possibilities to change the time window:  1. On the right in the time window, click on + or -.

2. Turn the mouse wheel while the mouse cursor is located above the replay track.

20.11.2018 11:33:36



Shows the current replay position.

Click into the display field to switch from absolute to relative time display and vice versa.



The absolute time display shows the date and the time of the current replay position.

The relative time display shows the replayed time until the current replay position in HH:MM:SS.

Icons in the functionality bar on the right

	Expanded view	Switches the replay bar to full view.
	Simple view	Switches the replay bar to compressed view.

Icons in the functionality bar on the left

	Display toolbar	Shows all icons in the functionality bar
	Hide toolbar	Partly hides the icons in the functionality bar.

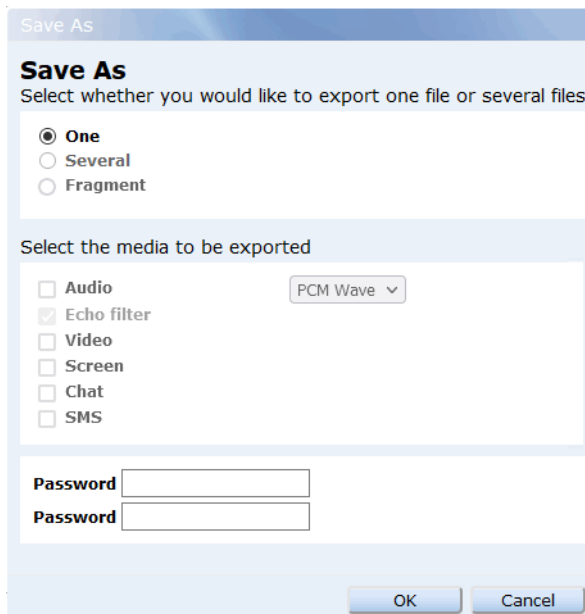


Not all described icons exist in every module and application.

### 5.2.2

#### Export all loaded elements

1. Click on the icon  (*Export all loaded elements*).  
⇒ The following window appears:



The image shows a 'Save As' dialog box with the following elements:

- Title bar: Save As
- Section: **Save As**
- Text: Select whether you would like to export one file or several files
- Radio buttons:
  - ☒ One
  - ☐ Several
  - ☐ Fragment
- Section: Select the media to be exported
- Checkboxes:
  - ☐ Audio
  - ☒ Echo filter
  - ☐ Video
  - ☐ Screen
  - ☐ Chat
  - ☐ SMS
- Dropdown menu: PCM Wave
- Fields: Password (two input boxes)
- Buttons: OK, Cancel

Fig. 34: Save as

2. Select the respective option in the window *Save As*.

**One** Mixes all recordings of one or several conversations in one file.

	<b>NOTICE!</b> If you select several conversations, the gap between them is filled with silence. Selecting conversations with a large gap between them results in very large <b>WAVE</b> files. Therefore, make sure to only select conversations which are not separated by a large gap.
<i>Several</i>	Creates its own file for each recording to be saved.
<i>Fragment</i>	Only data contained in the set loop are saved. All other data is discarded.
<i>Audio</i>	<p>Saves the audio data.</p> <p>Select the audio format from the drop-down list:</p> <ul style="list-style-type: none"> <li>• <b>PCM Wave</b> With <b>PCM</b>, the output file is not compressed and can be replayed by almost any player. This method requires a lot of storage capacity.</li> <li>• <b>MP3</b> With <b>MP3</b>, the output file is compressed and can be replayed by almost any player. When using <b>MP3</b>, less storage space is required for high-quality recordings than when exporting conversations in <b>WAVE</b> format.</li> </ul>
<i>Echo filter</i>	The echo filter has been activated for export by default. The echo filter detects and removes duplicate recordings for the respective participants within calls so that there is no echo in the replayed recordings caused by time offset of recording duplicates. If you would like to deactivate the echo filter for export, remove the check mark from the check box.
<i>Video</i>	<p>Saves the <b>video data</b>.</p> <p>Video is exported in <b>MP4</b> format with video codec H.264. If the conversation contains more than one stream, only the first stream is exported.</p>
<i>Screen</i>	Saves the screen recordings.
<i>Chat</i>	Saves the chat text.
<i>SMS</i>	Saves the SMS data.
<i>Password</i>	Protects the ZIP file with a password.

3. Click on the button **OK**.

⇒ The following window appears:

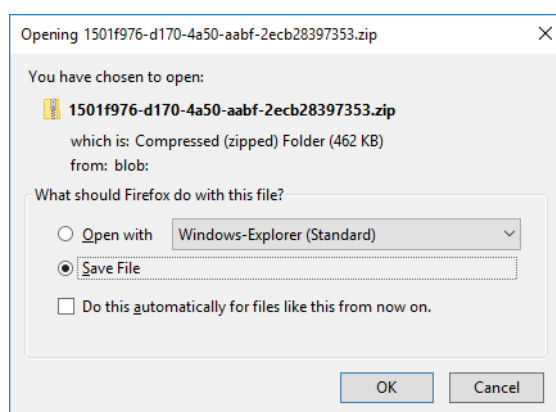


Fig. 35: Save conversations

4. Select the option **Save File**.

5. Click on the button **OK**.

⇒ The elements are exported to the local download directory in a ZIP file.  
The ZIP file contains the following files:  
The audio data is saved as **WAVE** or **MP3** file(s).

Audio data and screen recordings are saved as MP4 file(s).  
Video data is saved as MP4 file(s).  
Screen data is saved as MP4 file(s).  
The corresponding meta data is saved in the same directory as CSV file(s) under the same file name.  
Chat texts are saved as **XML** file(s).  
SMS data is saved as **XML** file(s).

### 5.2.3      **Create new bookmark**

The intention is not to create only one single bookmark. The beginning and the end of a conversation section have to be marked with a new bookmark. You can enter a replay comment for this tagged conversation section between 2 bookmarks.

In a conversation, several conversation sections can be marked with bookmarks and commented.





It is not possible to delete only 1 bookmark from a tagged conversation section.

#### 5.2.3.1      **Create bookmarks with replay comment**



The current replay position has to be located within the conversation.

1. To mark the beginning of a conversation section for a replay comment, click on the icon  (*Create new bookmark*).
2. To mark the end of a conversation section for a replay comment, click on the icon  (*Create new bookmark*).

⇒ The following window appears:

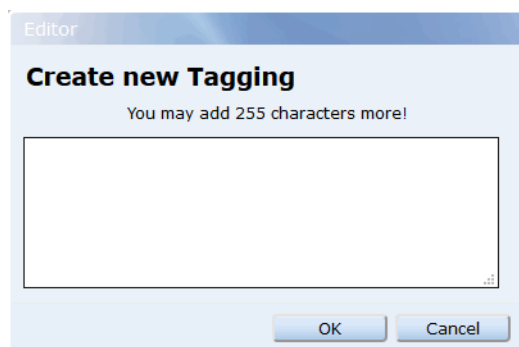
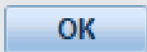



Fig. 36: Tagging editor

	Saves the entries and closes the window.
	Discards the entries and closes the window.

3. Enter a comment for the conversation in the entry field.



Fig. 37: Tagging editor with entered comment (example)

4. To save the entries, click on the button **OK**.
  - ⇒ The tagged conversation section is displayed in other color above the replay bar.
  - ⇒ When replaying the conversation, the information details are displayed in the area of the tagging.



Fig. 38: Conversation with tagged conversation section (example)

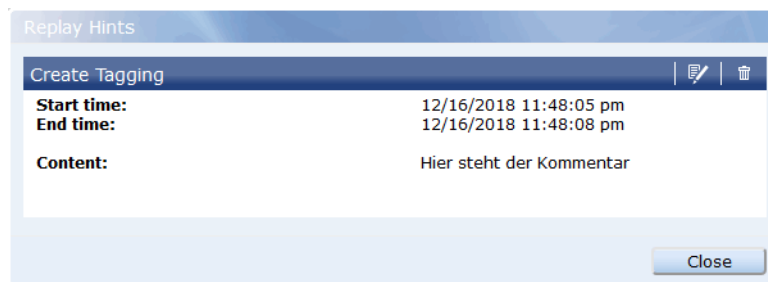


Fig. 39: Displayed information details (example)

### 5.2.3.2 Edit bookmarks with replay comment

1. As soon as the tagged conversation section with the replay comment is located above the replay position, the following window appears:

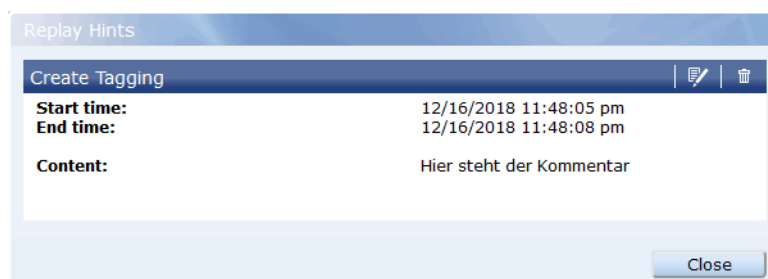



Fig. 40: Displayed information details (example)

2. Click on the icon  (**Edit**).
  - ⇒ The following window appears:

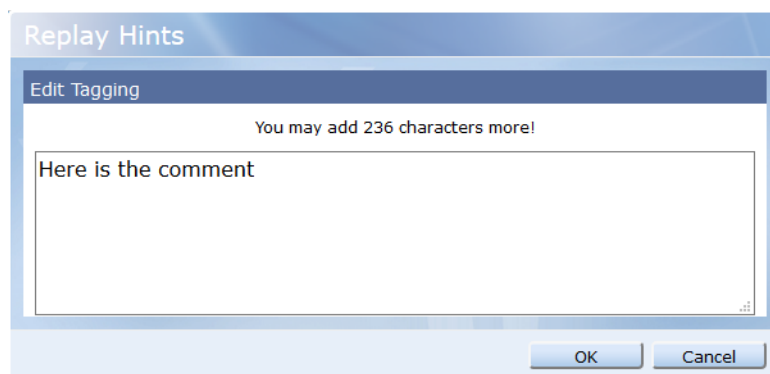




Fig. 41: Edit tagging (example)

	Saves the entries and closes the window.
	Discards the entries and closes the window.

3. Edit the replay comment.
4. To save the entries, click on the button **OK**.

### 5.2.3.3 Delete bookmarks with replay comment

1. As soon as the tagged conversation section with the replay comment is located above the replay position, the following window appears:

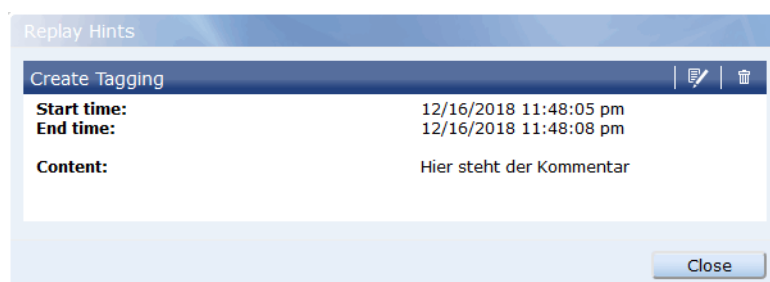



Fig. 42: Displayed information details (example)

2. Click on the icon  (*Delete*).  
To delete the tagged conversation area with the replay comment, confirm the security prompt.

### 5.2.4 Create new mute notification

The intention is not to create only one single mute notification. The beginning and the end of a conversation section have to be marked with a new mute notification. This tagged conversation section between 2 mute notifications can be muted for selected participants.

In a conversation, several conversation sections can be marked with mute notifications and selected participants can be muted.





It is not possible to delete only one mute notification from a tagged conversation section which marks the beginning or the end.

#### 5.2.4.1 Mute conversation section



The current replay position has to be located within the conversation.

1. To mark the beginning of a conversation section for the muting of selected participants, click on the icon  (*Create new mute notification*).

2. To mark the end of a conversation section for the muting of selected participants, click on the icon  (*Create new mute notification*).  
⇒ The following window appears:

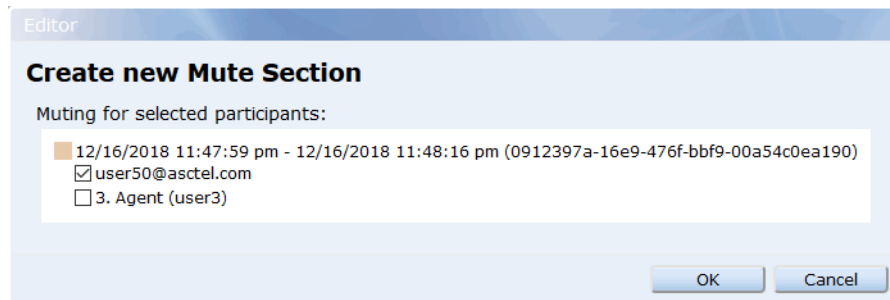
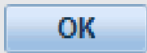



Fig. 43: Muting for selected participants (example)

	Saves the entries and closes the window.
	Discards the entries and closes the window.

3. Select the participants for whom the conversation section is supposed to be muted. At least 1 participant has to be muted.  
☒ = Conversation muted for participant  
☐ = Conversation not muted for participant
4. To save the entries, click on the button **OK**.  
 ⇒ The muted conversation section is displayed as a gray area in the replay bar.  
 ⇒ When replaying the conversation, the mute section details are displayed in the area of the muting.

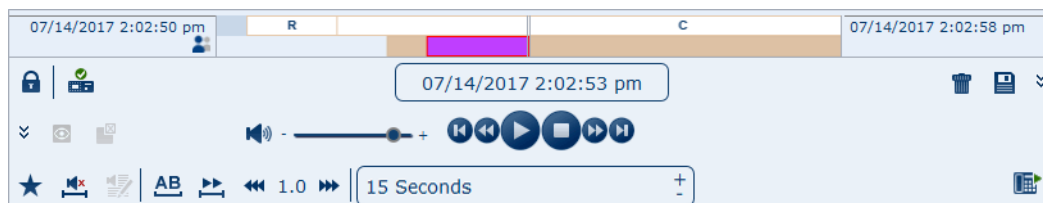


Fig. 44: Conversation with muted conversation section (example)

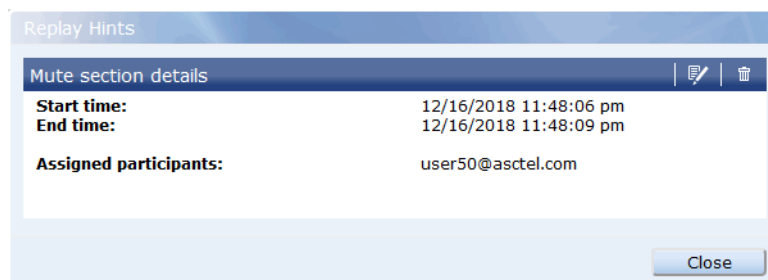


Fig. 45: Displayed mute section details (example)

#### 5.2.4.2 Edit muted conversation section

1. As soon as the muted conversation section is located above the replay position, the following window appears:

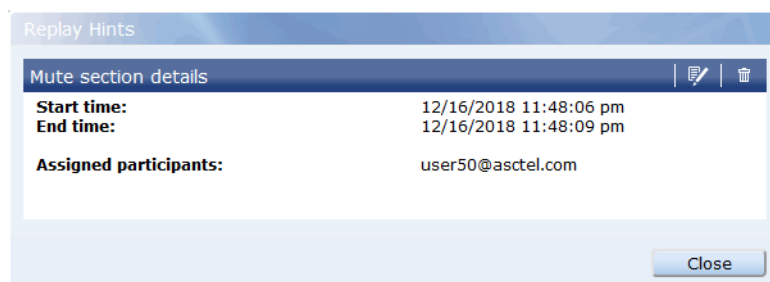



Fig. 46: Mute Section Details (example)

2. Click on the icon  (Edit).  
⇒ The following window appears:

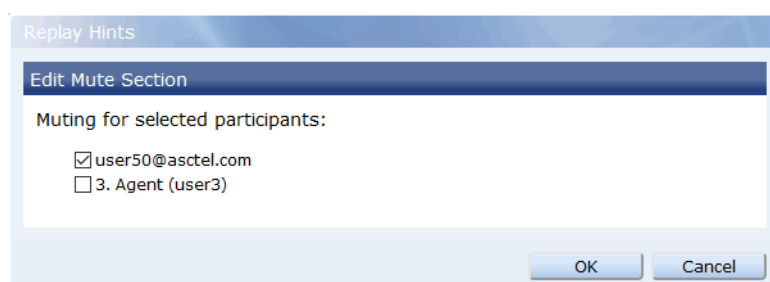
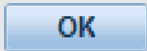



Fig. 47: Edit mute section (example)

	Saves the entries and closes the window.
	Discards the entries and closes the window.

3. Select the participants for whom the conversation section is supposed to be muted. At least 1 participant has to be muted.  
☒ = Conversation muted for participant  
☐ = Conversation not muted for participant
4. To save the entries, click on the button **OK**.

#### 5.2.4.3 Delete muted conversation section

1. As soon as the muted conversation section is located above the replay position, the following window appears:

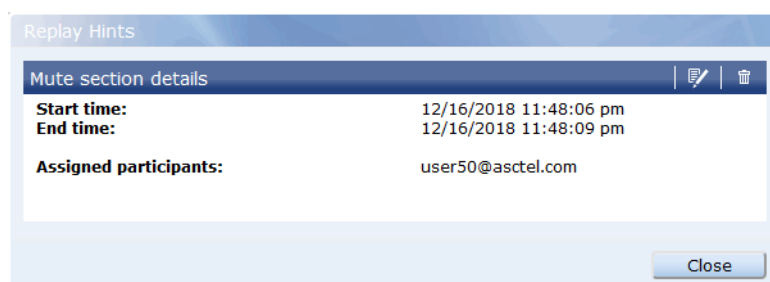





Fig. 48: Mute Section Details (example)

2. Click on the icon  (Delete).  
To delete the mute section, confirm the security prompt.

#### 5.2.5 Mark replay loop

1. To mark the beginning of a replay loop at the current replay position, click on the icon  (Loop).
2. To mark the end of a replay loop at the current replay position, click on the icon  (Loop).



⇒ When the replay is started, the area between the marks is replayed in an endless loop.

3. To remove the marks of the replay loop, click on the icon  (Loop).

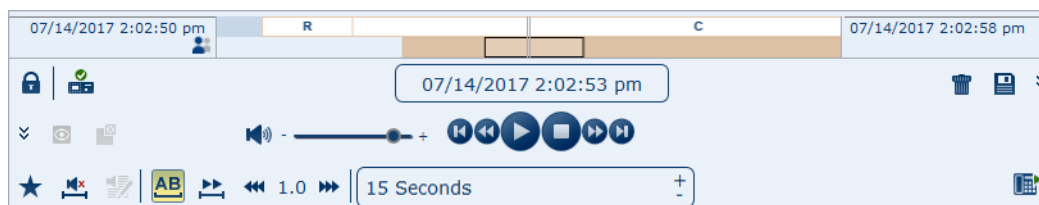


Fig. 49: Conversation with replay loop

### 5.3      **Video Viewer**





The Video Viewer serves to replay screen and camera recordings (video recordings).



In principle, you can load several video recordings into the Video Viewer. However, you can only replay one of them at any given moment.



Fig. 50: Video Viewer (example)

1	Option bar	Contains settings for displaying video recordings, see <a href="#">chapter "Option bar", p. 34.</a>
2	Main view	Shows the <a href="#">Video recording</a> .
3	Replay bar	Shows the loaded video recordings, see <a href="#">chapter "Replay bar", p. 34.</a>
4	Functionality bar	Contains functionalities for the loaded conversations in the replay bar, see <a href="#">chapter "Icons", p. 23.</a>  In the Video Viewer, not all icons of the Replay module are available.
5	 (Minimize)	Minimizes the on-screen display to the program icon in the taskbar.
6	 (Maximize)	Maximizes the on-screen display to full-screen size.
	 (Reconstruct)	Reduces the on-screen display to the most recently selected reduced window size.
7	 (Close)	Closes the window of the Video Viewer.

### 5.3.1 Option bar

The option bar contains settings for displaying video recordings.



Fig. 51: Option bar

In the following, you find a description of the settings.

<b>Aspect ratio</b>	<p>This option is only active if <i>Adjust to Window</i> has been activated upon setting the video size. When setting the video size to <i>Original</i> and <i>User-Defined</i>, the setting <i>Aspect ratio</i> is deactivated.</p> <ul style="list-style-type: none"> <li>• <i>Keep</i> The original aspect ratio of the <a href="#">video recording</a> remains unchanged in the window of the main view of the Video Viewer.</li> <li>• <i>Ignore</i> The display of the <a href="#">video recording</a> is adjusted to the window size of the main view of the Video Viewer. The aspect ratio is ignored, i. e. the display may be distorted.</li> <li>• <i>Original</i> The <a href="#">video recording</a> is displayed in its original size in the main view of the Video Viewer.</li> </ul>
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### 5.3.2 Replay bar

The replay bar shows the loaded video recordings.

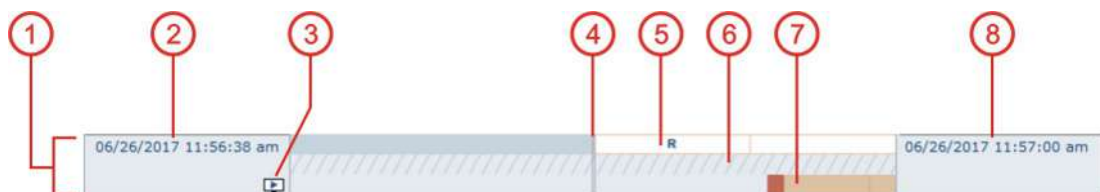


Fig. 52: Replay bar

- 1 Shows the track of a loaded [video recording](#).
- 2 Shows the start time of the loaded conversation.  
If several conversations have been loaded in 1 track, the start time of the first conversation is displayed here.
- 3 Shows that this is the track of a [video recording](#).
- 4 Displays the replay position.  
There are two options to change the current replay position of the loaded conversation:
  1. Click on the respective position with the mouse cursor.
  2. Click on a track, hold the mouse key down and drag it to the required position.
- 5 Displays the sections of a conversation.  
The following sections are possible:
  - R = Ringing (a connection is being established)
  - C = Connected (at least 2 participants are calling each other)
  - H = Hold (a participant is on hold)
  - Q = Queued (a participant is being queued)
  - W = Wrap-up (wrap-up time)
- 6 Shows tagging and compliance analysis data (e. g. found keywords).  
The line is only displayed if information is available.
- 7 Shows the conversation. For further information see [chapter "Display of the loading states", p. 21](#).
- 8 Shows the end time of the loaded conversation.  
If several conversations have been loaded in 1 track, the end time of the last conversation is displayed here.

#### 5.4

#### Message Viewer

The Message Viewer serves to display chat texts or text messages (SMS or SDS).

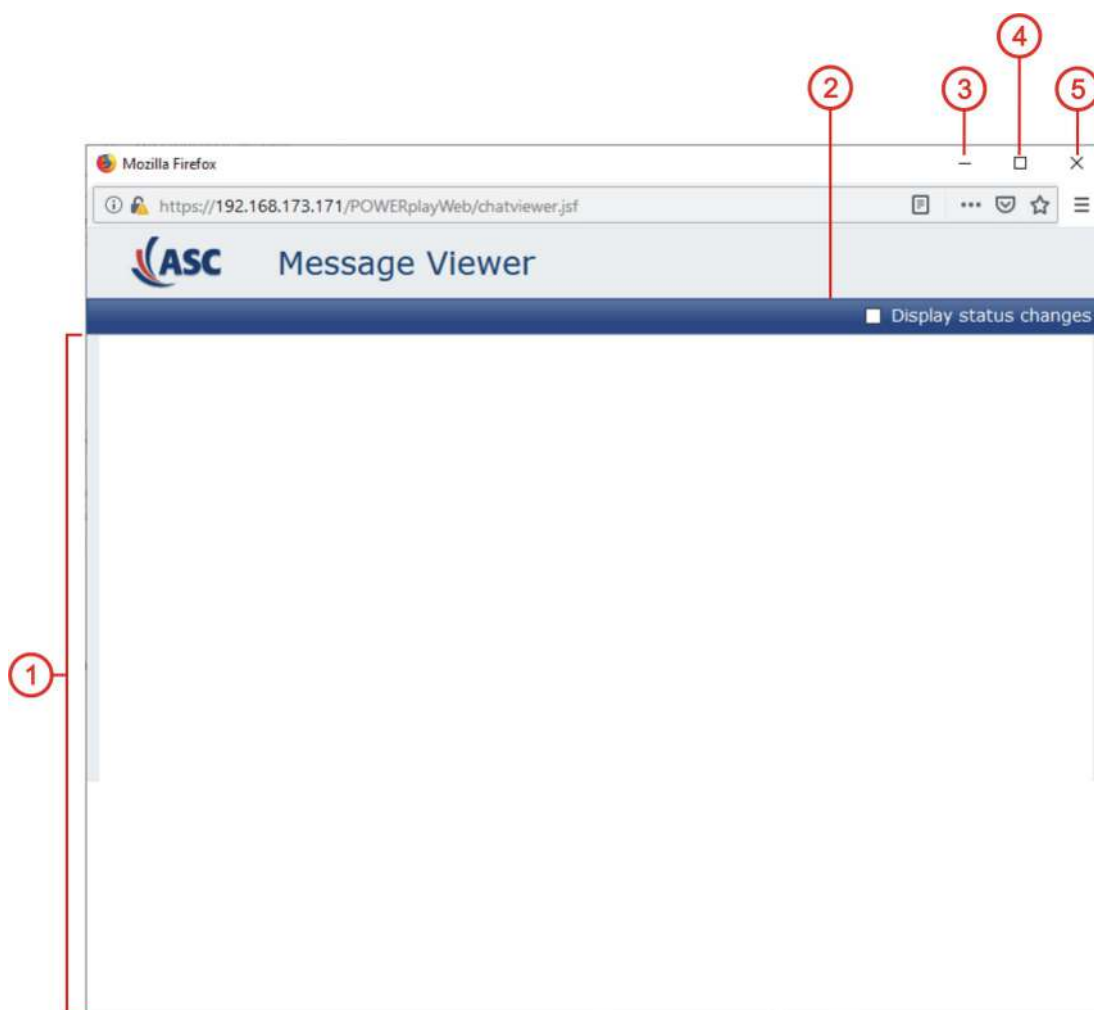






Fig. 53: Message Viewer

1	Main view	Displayed chat texts or text messages. See <a href="#">chapter "Main view", p. 36</a> .
2	<i>Display status changes</i>	<input checked="" type="checkbox"/> = Displays the status changes. <input type="checkbox"/> = Does not displays the status changes.
3	 (Minimize)	Minimizes the on-screen display to the program icon in the taskbar.
4	 (Maximize)	Maximizes the on-screen display to full-screen size.
	 (Reconstruct)	Reduces the on-screen display to the most recently selected reduced window size.
5	 (Close)	Closes the window of the Message Viewer.

#### 5.4.1 Main view

The main view displays chat texts or text messages.

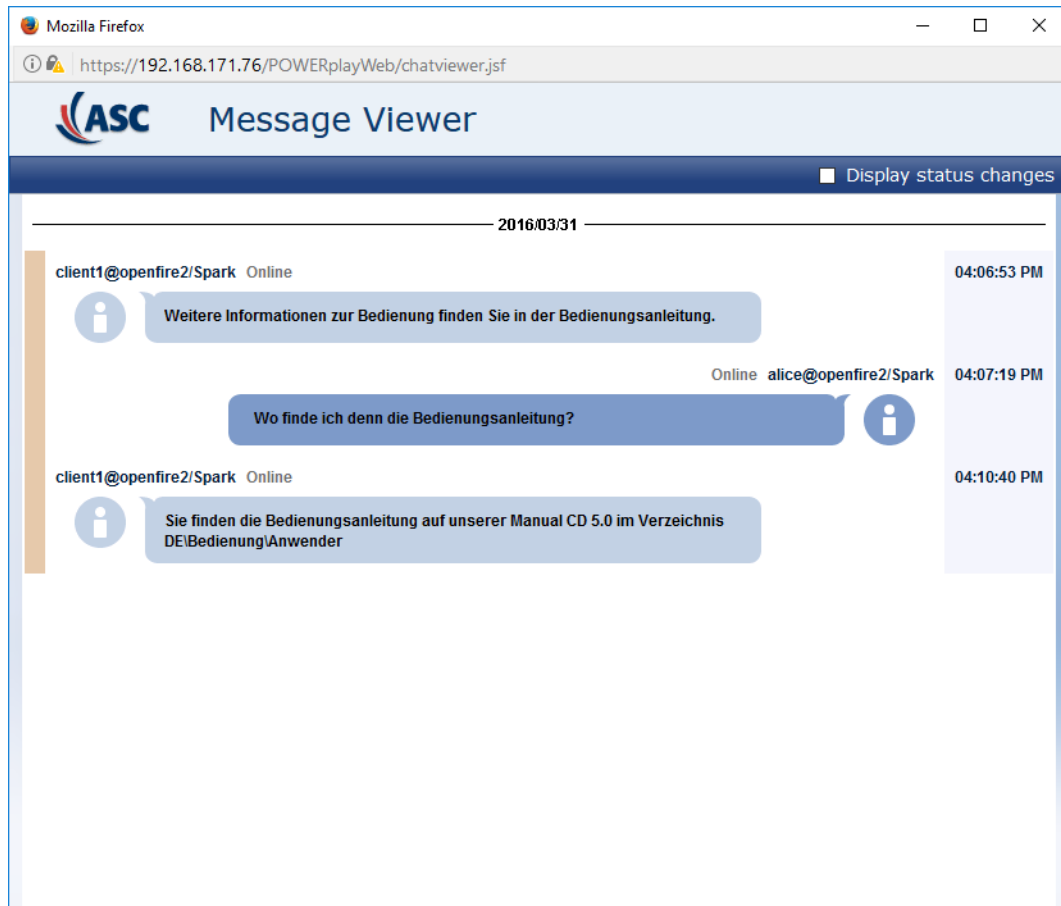


Fig. 54: Message Viewer without the display of the status changes (example)

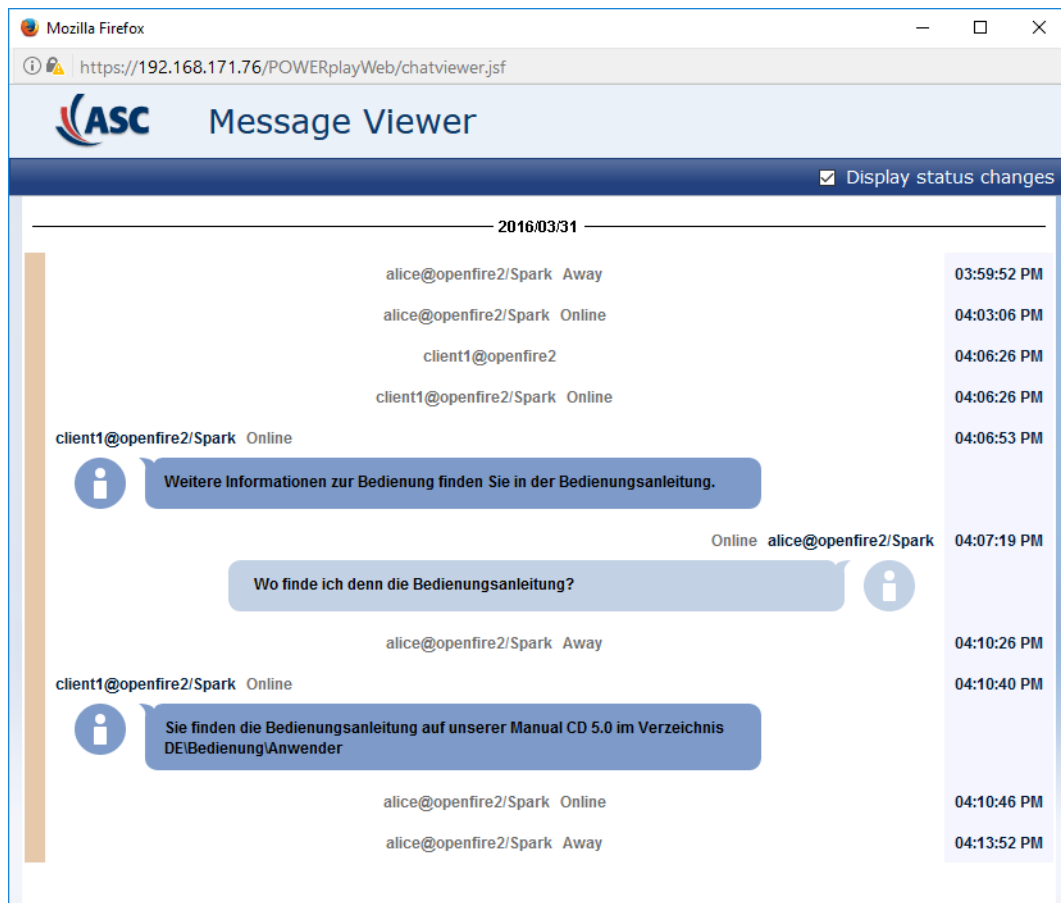


Fig. 55: Message Viewer with the display of the status changes (example)

The chat texts or text messages are displayed sorted by date and time. The most recent message is displayed at the bottom.

On the left of the main view, the basic color of the conversation is displayed. If several conversations have been loaded, the basic colors on the left indicate which chat texts or text messages belong together.

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## Glossary

### IP

Internet Protocol, basic protocol for Internet communication

### MP3

With regard to audio compression, MP3 uses lossy data-compression to encode data using inexact approximations and the partial discarding of data. MP3 compression works by reducing (or approximating) the accuracy of certain components of sound that are considered (by psychoacoustic analysis) to be beyond the hearing capabilities of most humans. The remaining audio information is then recorded in a space-efficient manner.

### MP4

MP4 is a video container format. MP4 file format is based on Apple QuickTime file format. MP4 files allow saving multimedia content as several audio and video tracks as well as subtitles, 2D and 3D graphics. This content may be replayed locally with a dedicated software or streamed via a network. (Source: Wikipedia 07.02.2020)

### PBX

Private Branch Exchange

### PCM

Pulse Code Modulation is an uncompressed pulse modulation method which transforms a time- and value-continuous analog signal into a time- and value-discrete digital signal. It is used in audio technology, for example in the context of the G.711 standard and in video technology for digital video signals in compliance with the ITU-R BT 601 standard. (Source: Wikipedia 12th June 2018)

### Video data

Video data can either consist of camera recordings of a video call or of screen recordings.

### Video recording

A video recording can consist either of a screen video or of any other video.

### WAVE

WAVE file format is a container format to digitally save audio data and is based on the Resource Interchange File Format (RIFF) defined by Microsoft for Windows. (Source: Wikipedia 23rd February 2021)

### XML

Extensible Markup Language is a human-readable and machine-readable language which defines a set of rules for encoding documents.