



**CALLISTO**<sup>+</sup>

# CRUISE ALARMING

ESPA-X SERVER INTERFACE DESCRIPTION



## Table Of Contents

<b>ESPA-X Server interface description .....</b>	<b>3</b>
ESPA-X Server interface description .....	3
Copyright Information, Disclaimer.....	5

# ESPA-X Server interface description

## Overview

The *Alarming* application handles alarms (i.e., configuring alarm groups and activating alarms) from different sources:

- ESPA 4.4.4 via COM ports
- via ESPA-X clients
- manually via the web GUI
- via REST web service



*Services* button

These alarms are sent as push messages to the configured groups of phones set as alarm destinations. The phone displays the most recent alarm message; the five most recent alarms can be viewed by pressing the *Services* button on the phone.

For more information on configuring an ESPA-X server, refer to the chapter [ESPA configuration](#) in the administration manual.

## ESPA-X supported messages

### LOGIN

To start a session, an ESPA-X client needs to send a REQ.LOGIN message immediately after the connection to the server is established. Every request coming before the REQ.LOGIN request will be refused with the response code 407 (*authentication required*).

If the login is successful, the server will send a RSP.LOGIN response with response code 200 (*OK*) and a *sessionID* will be provided.

During a session, the *sessionID* provided in the RSP.LOGIN response must be used in every request by the client.

### LOGOUT

When the server receives a REQ.LOGOUT message from the client, the Callisto ESPA-X server will disconnect the client and terminate the connection.

### HEARTBEAT

A HEARTBEAT message needs to be sent from the client constantly within the defined interval. If an interval passes without Callisto receiving a HEARTBEAT message, the client is disconnected and the session will be terminated.

## P-START

When call/alarm is triggered from a client, a P-START message is sent. The most important fields in the P-START message recognized by the Callisto ESPA-X server are:

<b>CP-GROUPID:</b>	The group number (address) which identifies the group of destinations which will be notified. See chapter <a href="#">Alarm groups</a> in the administration manual.
<b>CP-TEXTMSG:</b>	A text message which will be sent to all destinations of the alarm group.

When the P-START message is received, Callisto immediately notifies the alarm group via push notifications. Also, a response (RSP.P-START) is sent including the following fields:

### RSP.P-START

<b>RSP-CODE</b>	A 3-digit response code. Callisto responds with either of these codes: <ul style="list-style-type: none"><li>• 200: request processed successfully</li><li>• 407: authentication required</li></ul>
<b>RSP-REASON</b>	A text relating to the RSP-CODE (either "OK" or "Authentication required")
<b>CP-PR-REF</b>	The process reference received from client in the P-START request
<b>SP-PR-TAN</b>	The process transaction number of the server

Immediately after RSP.P-START, Callisto sends the following indications to the client: P-STARTED and P-ENDED (on server side, the process is ended immediately after the push notifications have been sent).

### P-STARTED

<b>SP-STATUS</b>	Always returns "Active"
<b>SP-CREATED</b>	The time when the process started
<b>CP-PR-REF</b>	The process reference received from client in the P-START request
<b>SP-PR-TAN</b>	The process transaction number of the server

### P-ENDED

<b>SP-RESULT</b>	None
<b>SP-ENDREASON</b>	Always returns "Finished"
<b>SP-CREATED</b>	The time when the process ended
<b>CP-PR-REF</b>	The process reference received from client in the P-START request
<b>SP-PR-TAN</b>	The process transaction number of the server
<b>CP-GROUPID</b>	The group number (address) which identifies the group of destinations which will be notified. See chapter <a href="#">Alarm groups</a> in the administration manual.
<b>CP-PHONENO</b>	The phone number to which call is addressed

### P-STOP

The *Process Stop* request message (REQ.P-STOP) is supported by Callisto but doesn't have any effect on the process control because Callisto sends push notifications to a group of endpoints. Currently, this request is reserved for future use. Callisto always responds with 200 "OK" upon receiving a RSP.P-STOP message.

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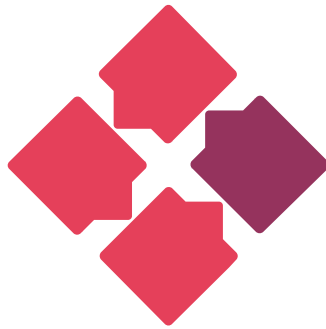
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# CTMODULE<sup>+</sup>

COMMUNICATION TECHNOLOGY MODULES

## CTMODULE AG

Lehnweg 1

CH-3123 Belp/Berne

Switzerland

T: +41 (0)31 531 11 11

F: +41 (0)31 531 11 12

[sales@ctmodule.com](mailto:sales@ctmodule.com)

## OFFICE GERMANY

Frankfurter Straße 92

D-65760 Eschborn/Frankfurt

Germany

T: +49 6196 2049173-0

F: +49 6196 2049173-9

[sales-d@ctmodule.com](mailto:sales-d@ctmodule.com)

## OFFICE SERBIA

Gospodara Vučića 145

RS-11000 Belgrade

Serbia

T: +381 18 308076

[sales@ctmodule.com](mailto:sales@ctmodule.com)