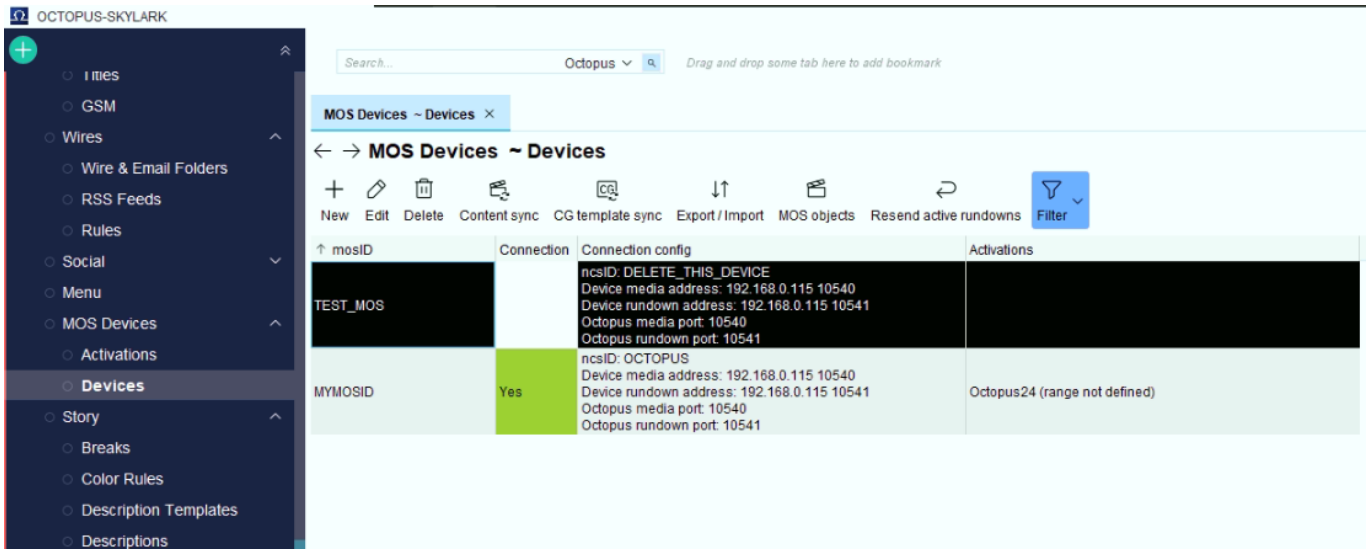
Integration with NRCS Octopus

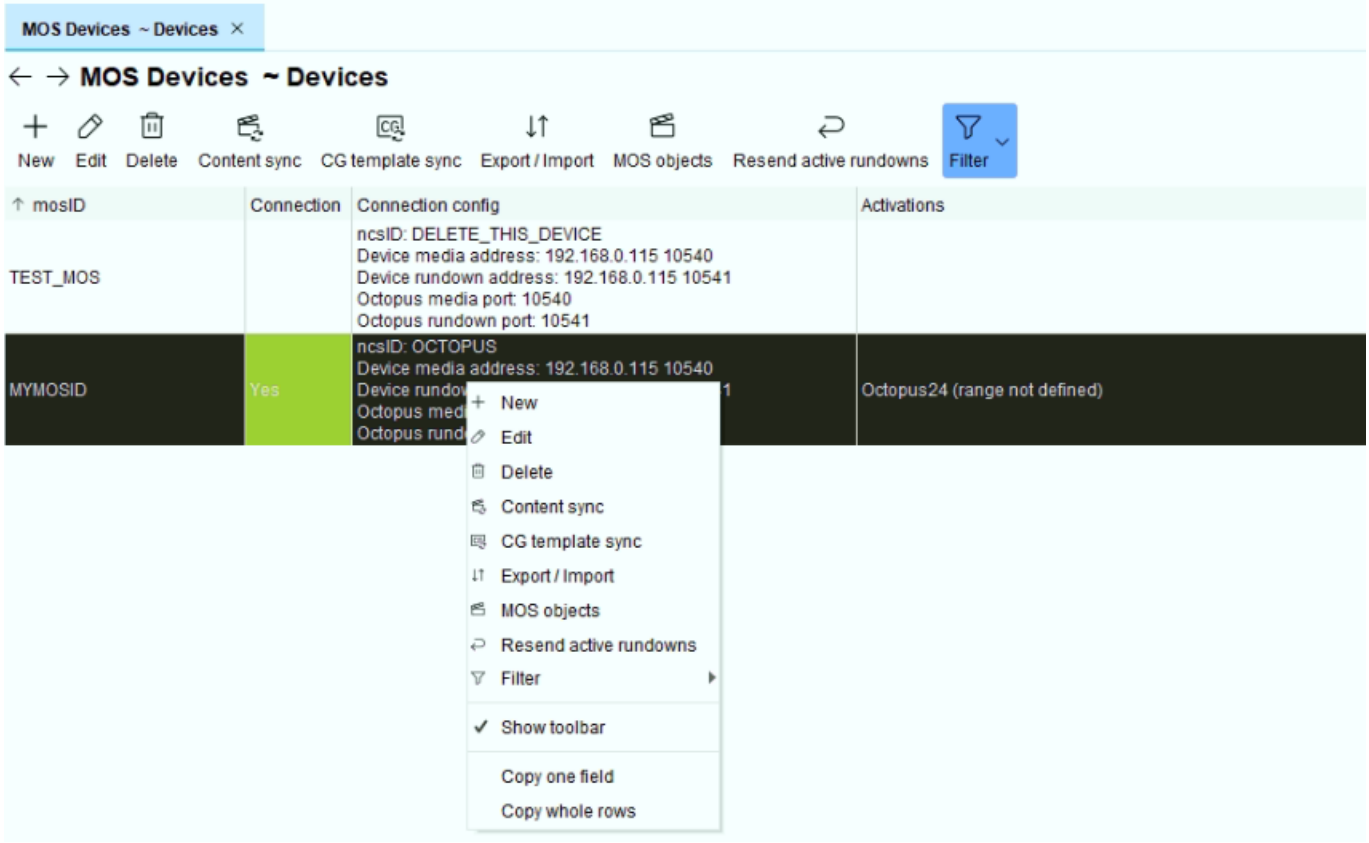
Integration with Octopus system is realized by means of interaction between MOS Agent on the Octopus side and MOS Gateway module on the Skylark side. The interaction is implemented using the MOS protocol version 2.8.5.

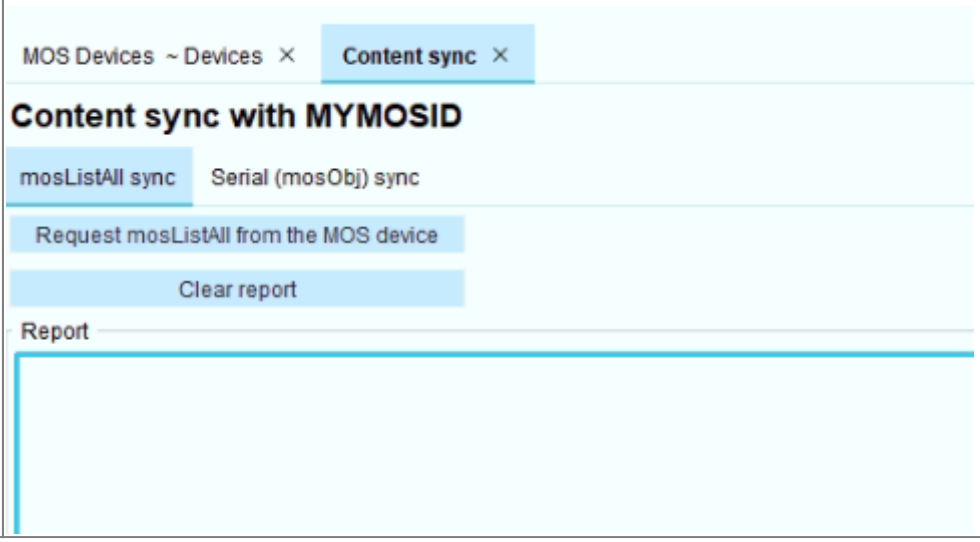
MOS Devices (MOS Agent)

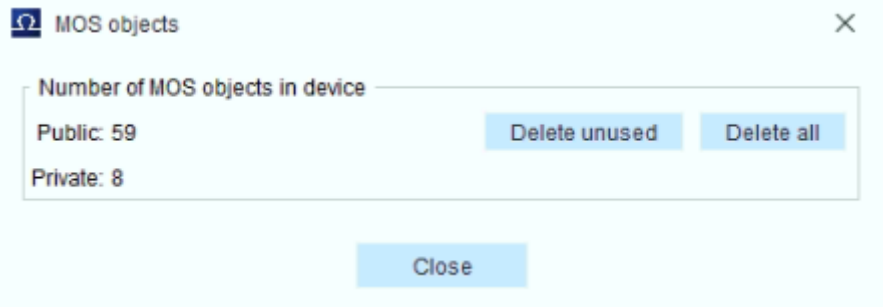
The `MOS Devices→Devices` window displays the MOS devices configured in the NRCS system.



The main right-click or toolbar menu items:



Menu item	Description
New	Open a dialog box to add a new MOS device
Edit	Edit a previously created MOS device
Content sync	After the configuration is complete and two-way connection is established, perform a one-time synchronization of the media database content with the catalog of MOS objects on the Octopus side. To do this, click the “Request mosListAll from the MOS device” button. 

Menu item	Description
MOS objects	If you see non-zero values in the Public and Private fields, this indicates that the media database content has been successfully synchronized with the Octopus MOS objects directory. 
Resend active rundowns	Resends previously activated Running Orders for this device.

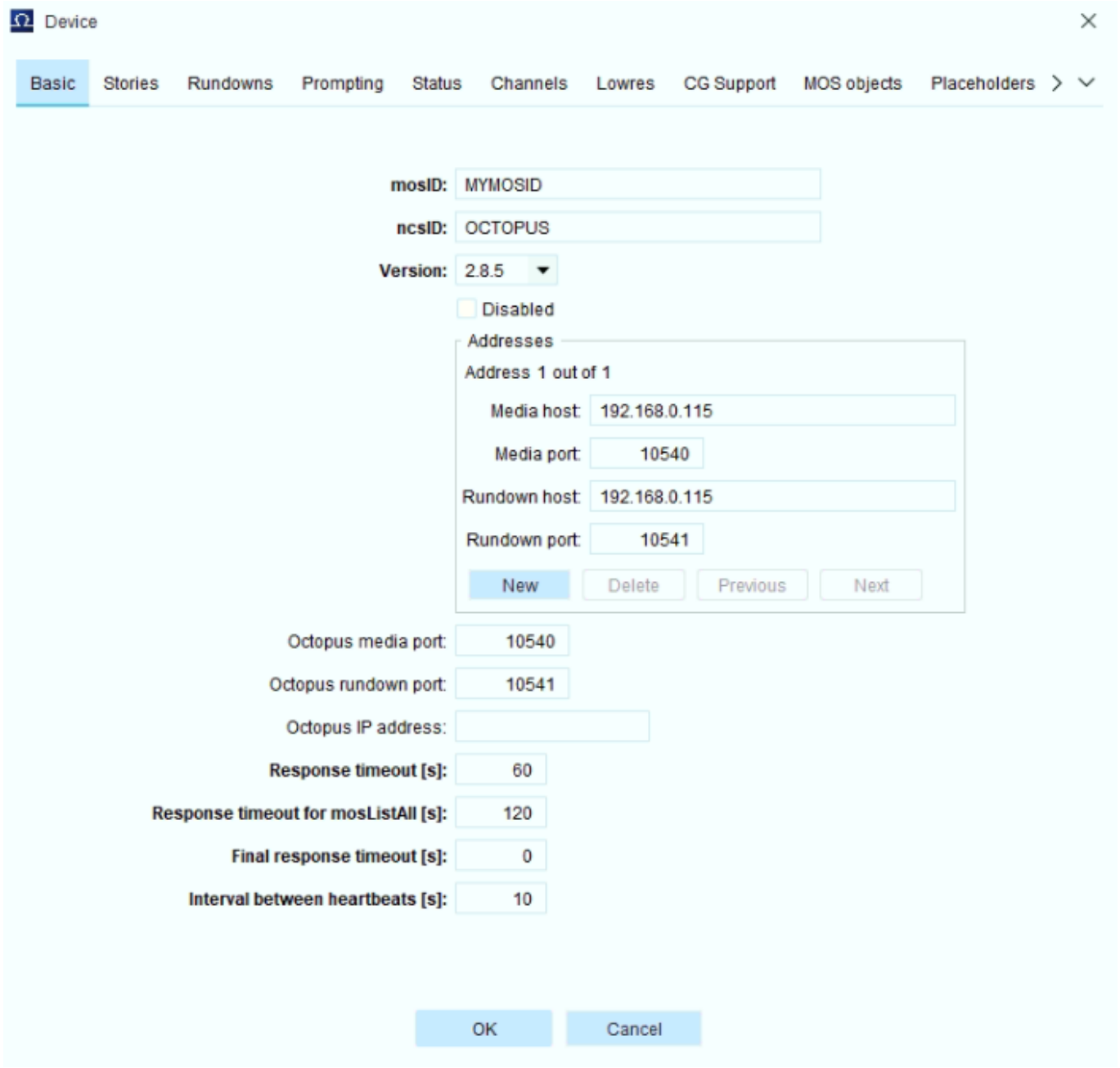
MOS Device Settings

Click “New” in the `MOS Devices→Devices` window to create a new MOS device that will allow Octopus and Skylark to be paired via the MOS protocol.

Below there is an example of how a MOS device can be configured to work with the MOS Gateway module.

The options that require customization are described in detail. The rest of the parameters are set to default values.

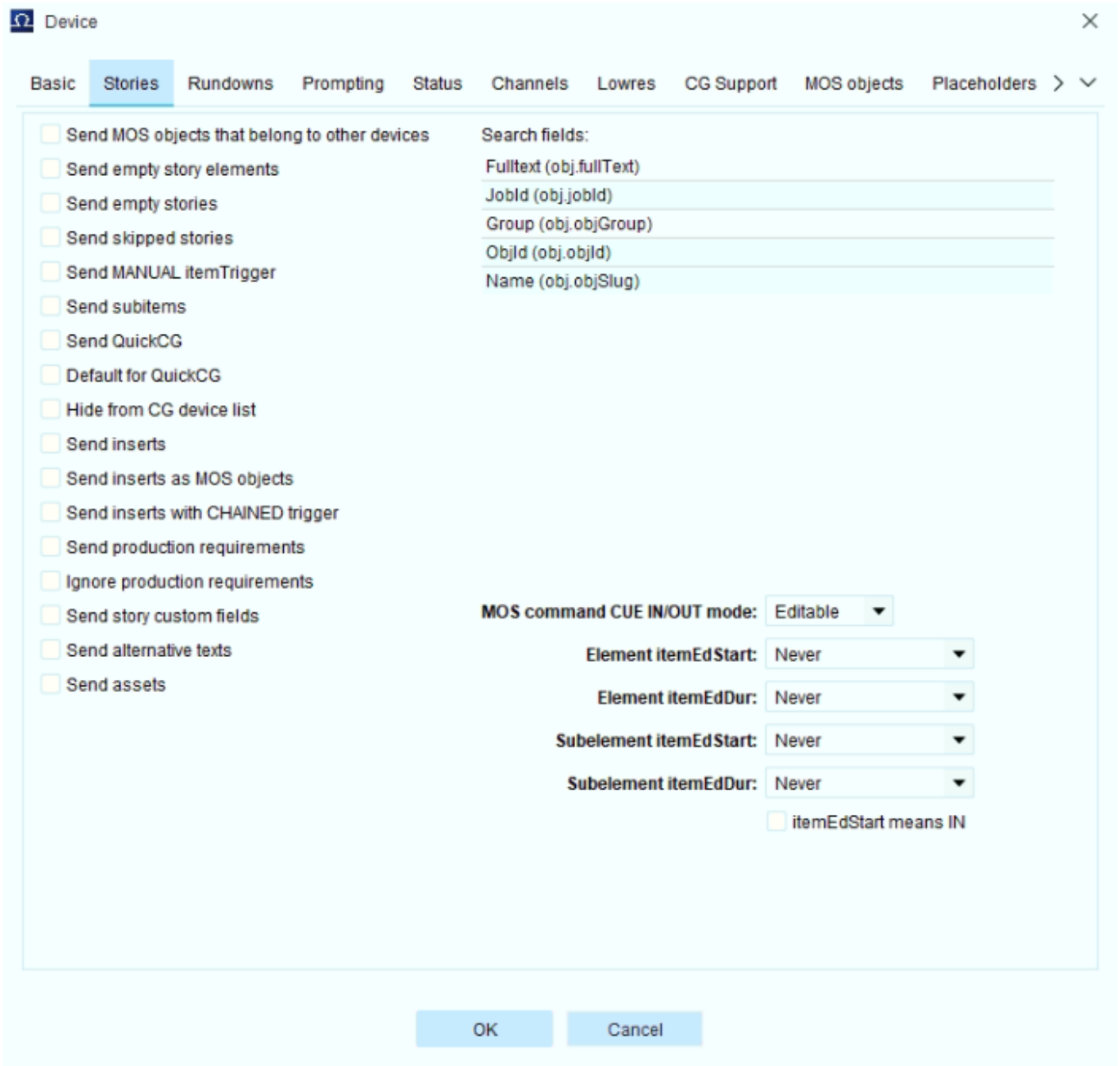
Basic



Customize	Description
mosID	This field specifies the MOS Gateway identifier (the “MOS ID” field in the MOS Gateway settings).
ncsID	This field specifies the NRCS system identifier. This identifier must be specified in the “NCS ID” field in the MOS Gateway settings.
NcsID	This field specifies the NRCS system ID.
Version	Specify 2.8.5 as the version of the MOS protocol that will be used for connection between devices.
Media host	IP address of the server where the MOS Gateway is running.
Media port	in the “Lower Port” field in the MOS Gateway settings.
Rundown host	IP address of the server where MOS Gateway is running.
Rundown port	The port number specified in the “Upper Port” field in the MOS Gateway settings.
Rundown port	The port number specified in the “Upper Port” field in the MOS Gateway settings.
Octopus media port	The value must be equal to the value specified in the Media port field.

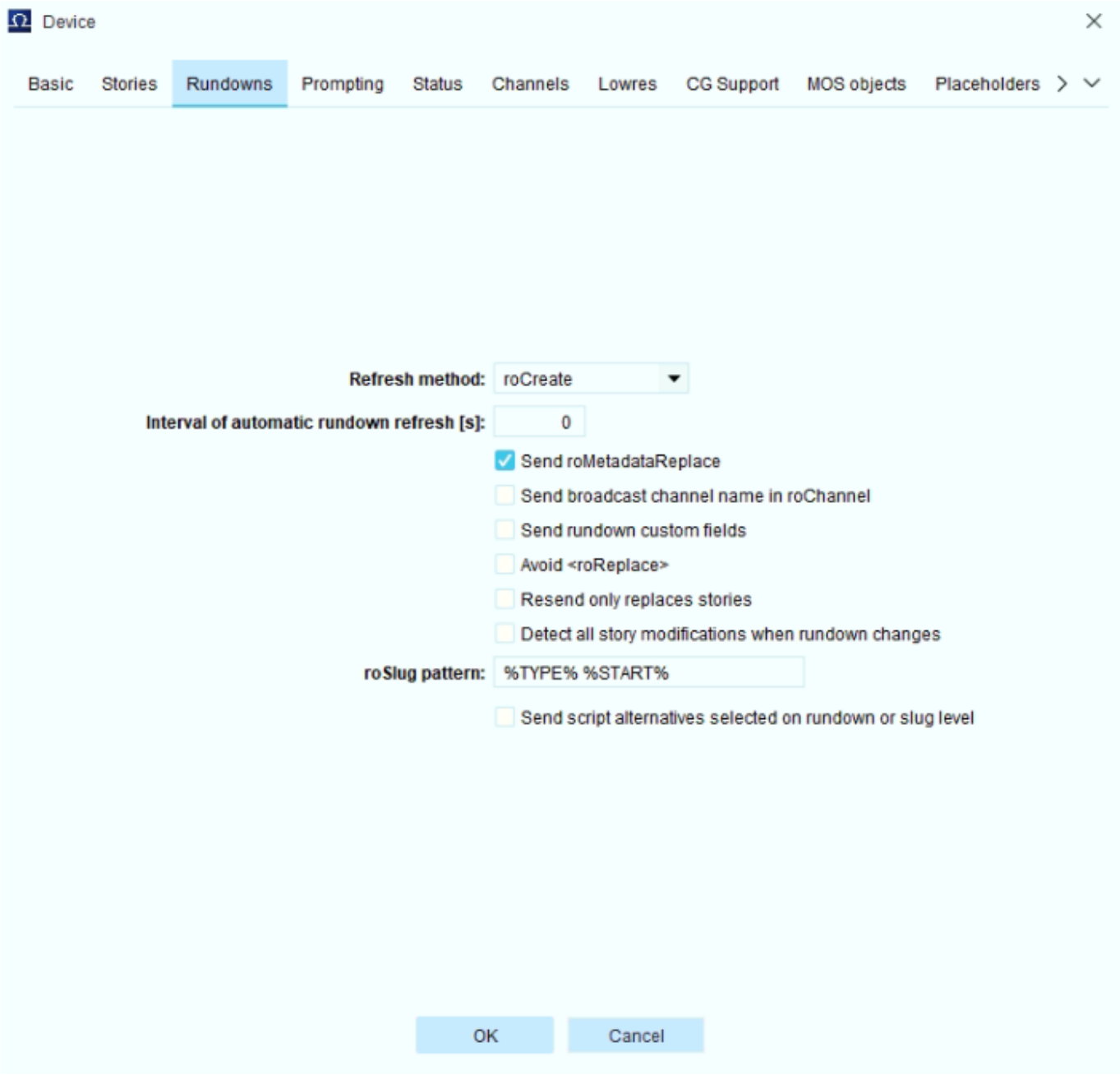
Customize	Description
Octopus rundown port	The port number specified in the “Upper Port” field in the MOS Gateway settings.
Octopus rundown port	The value must be equal to the value specified in the Rundown port.
Octopus IP address	The NRCS address to be specified in the “NCS Address” field in the MOS Gateway settings. Specify a usable IP address or leave the field blank to use the default value.

Stories



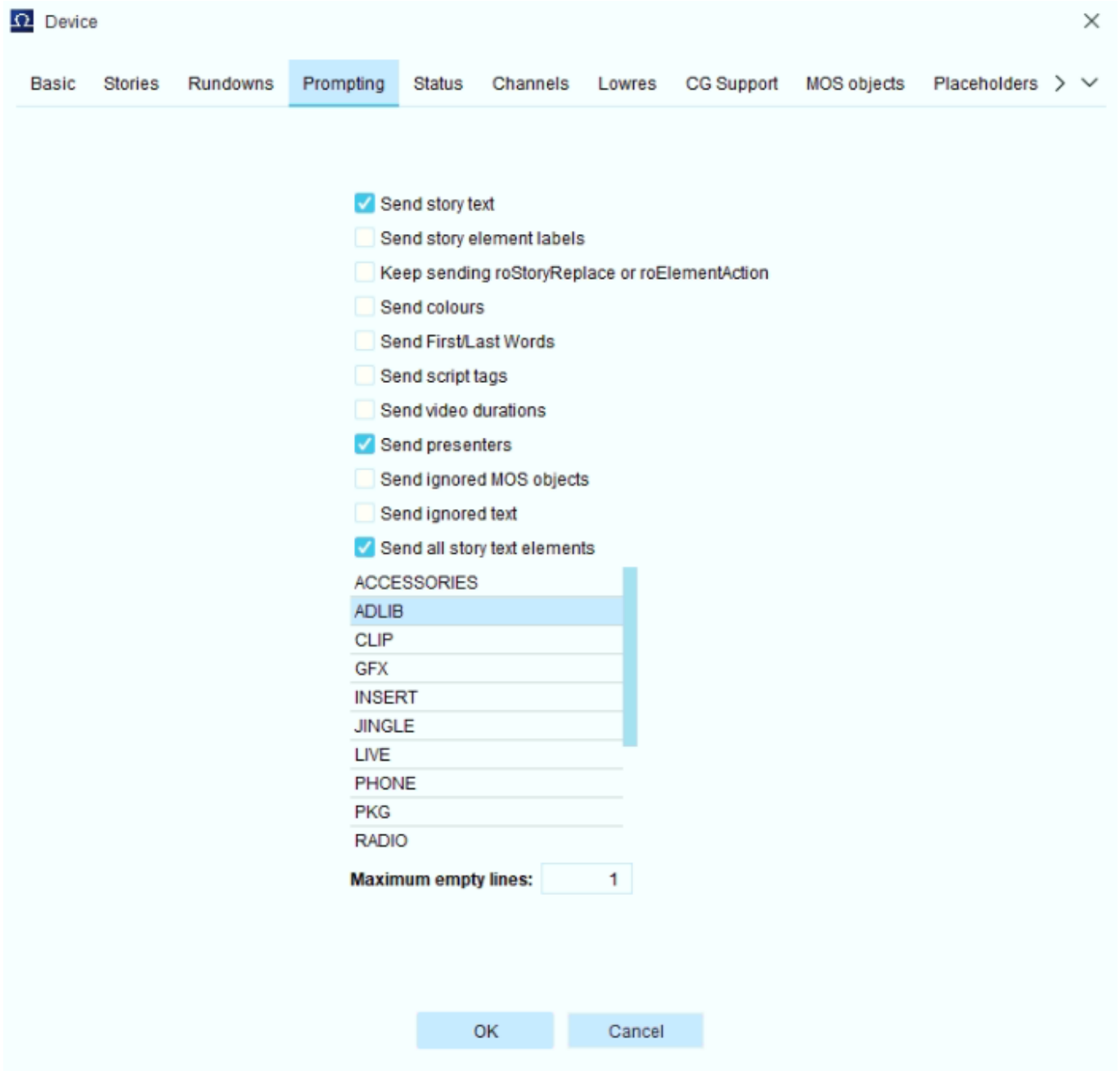
If you have more than one MOS Device in your system, you may have a situation where multiple MOS Devices receive a single Running Order at the same time. In this case you need to enable the “Send MOS objects that belong to other devices” option. Without this option enabled, the downloaded Running Orders may not have any items to display because they may have been previously associated with another MOS Device.

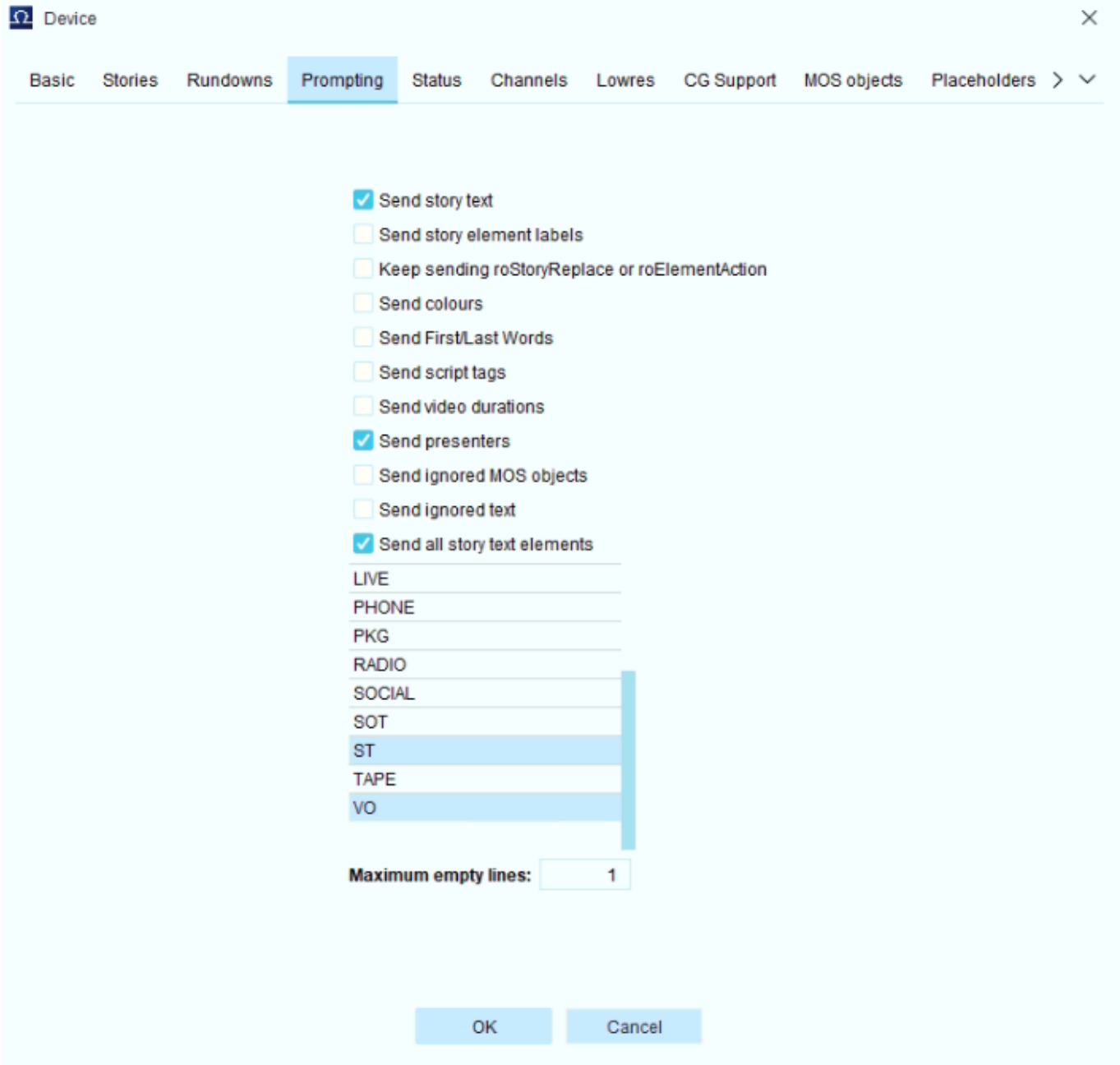
Rundowns



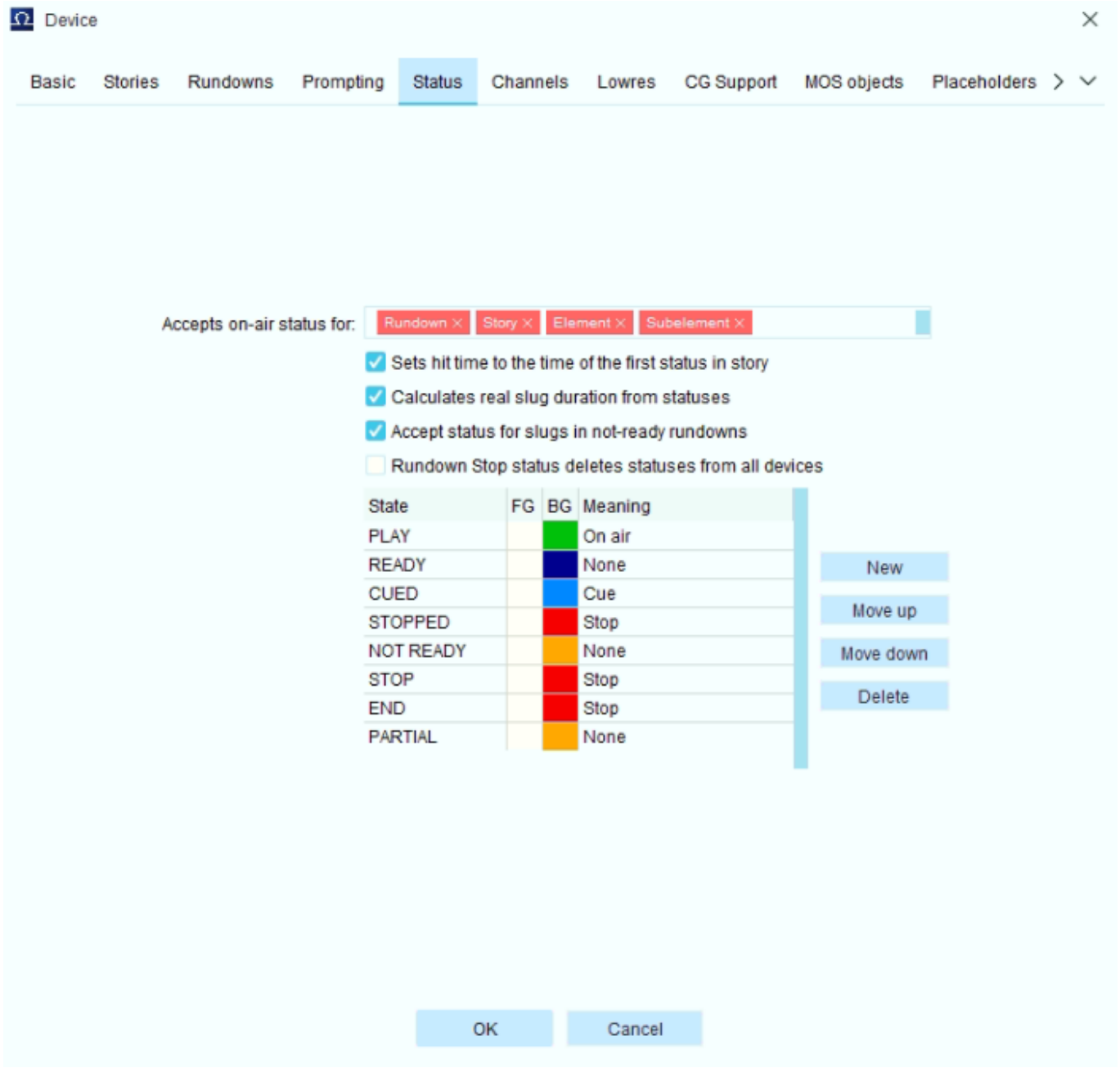
Select Refresh method = roCreate.

Prompting


Device
Basic
Stories
Rundowns
Prompting
Status
Channels
Lowres
CG Support
MOS objects
Placeholders
Send story text
Send story element labels
Keep sending roStoryReplace or roElementAction
Send colours
Send First/Last Words
Send script tags
Send video durations
Send presenters
Send ignored MOS objects
Send ignored text
Send all story text elements
ACCESSORIES
ADLIB
CLIP
GFX
INSERT
JINGLE
LIVE
PHONE
PKG
RADIO
Maximum empty lines:
1
OK
Cancel


Device
Basic
Stories
Rundowns
Prompting
Status
Channels
Lowres
CG Support
MOS objects
Placeholders
Send story text
Send story element labels
Keep sending roStoryReplace or roElementAction
Send colours
Send First/Last Words
Send script tags
Send video durations
Send presenters
Send ignored MOS objects
Send ignored text
Send all story text elements
LIVE
PHONE
PKG
RADIO
SOCIAL
SOT
ST
TAPE
VO
Maximum empty lines:
1
OK
Cancel

Status



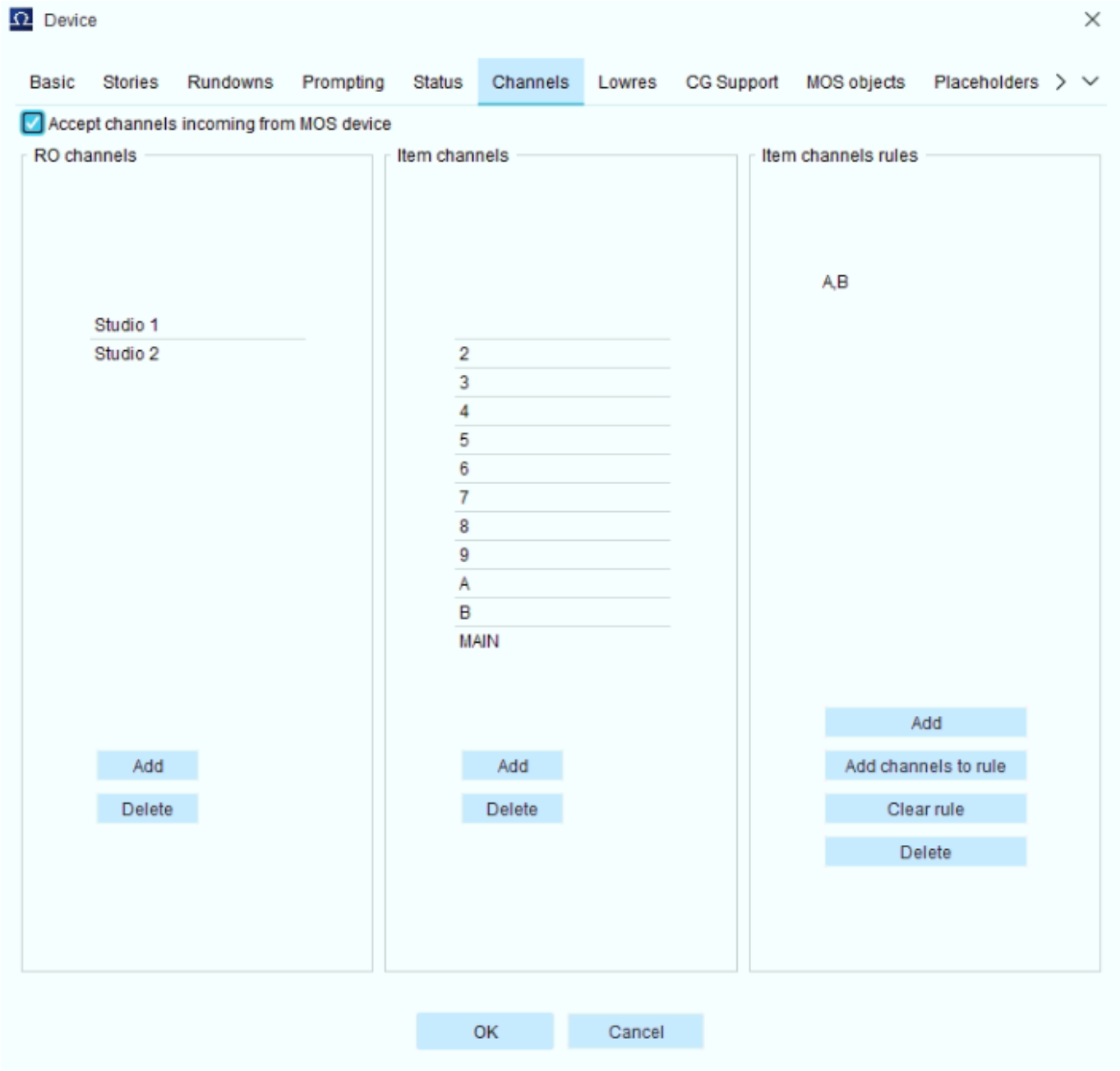
This tab configures the display of statuses in the Running Order received from the MOS Device.

For the “Accepts on-air status for” option, set the values:

- Rundown
- Story
- Element
- Subelement

In the table, create a new row for each status (the list of supported statuses is available in the MOS Gateway module description). In the State column, specify the name of the status as it is passed from the MOS Gateway (for example, READY). In the BG column, you can set the background color of the cell in the MOS column.

Channels

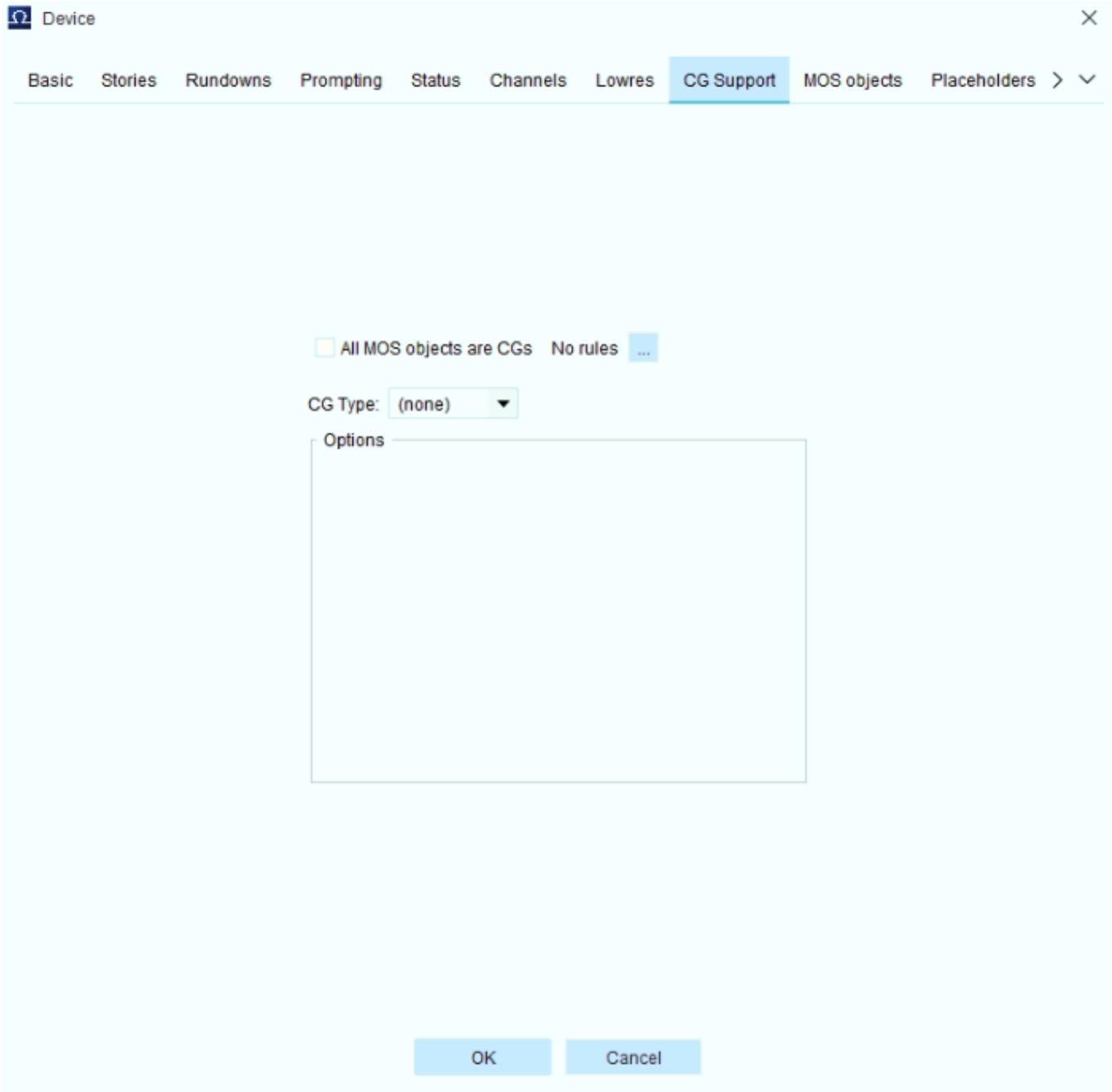


Set the Item channels and Item channels rules options if you want to distribute channels on the NRCS side. These settings can be skipped if you want the Skylark server to distribute clips to channels itself.

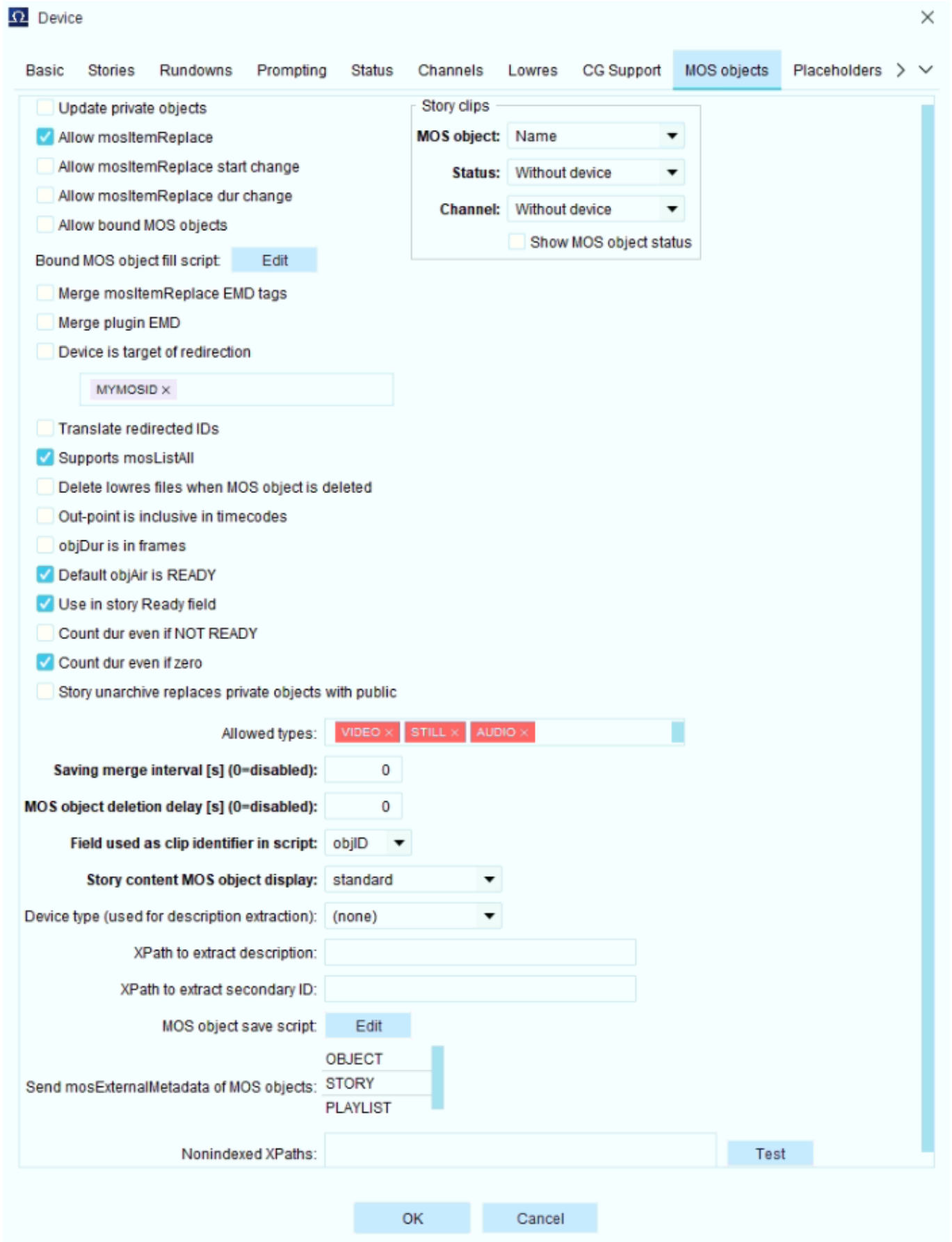
Lowres


Device
Basic
Stories
Rundowns
Prompting
Status
Channels
Lowres
CG Support
MOS objects
Placeholders
Expiration:
(none)
Path to keyframes:
Automatic keyframe pattern:
Automatic keyframe width [px]:
Automatic keyframe height [px]:
Path to lowres video:
Automatic lowres pattern:
Automatic lowres type:
WMV
Path to mobile lowres video:
Automatic mobile lowres pattern:
Path to hires video:
Automatic hires pattern:
Path to image of missing thumbnail:
Lowres signing:
Edit
Type patterns
MPEG-DASH lowres patterns:
MPD,DASH,MPEG-DASH
WMV lowres patterns:
WM,MP4,MP3
QT lowres patterns:
QT
H264 lowres patterns:
264
MPEG1 lowres patterns:
MPG,MPEG
RM lowres patterns:
RM
JPG lowres patterns:
JPG,JPEG
BMP lowres patterns:
BMP
OK
Cancel

CG Support

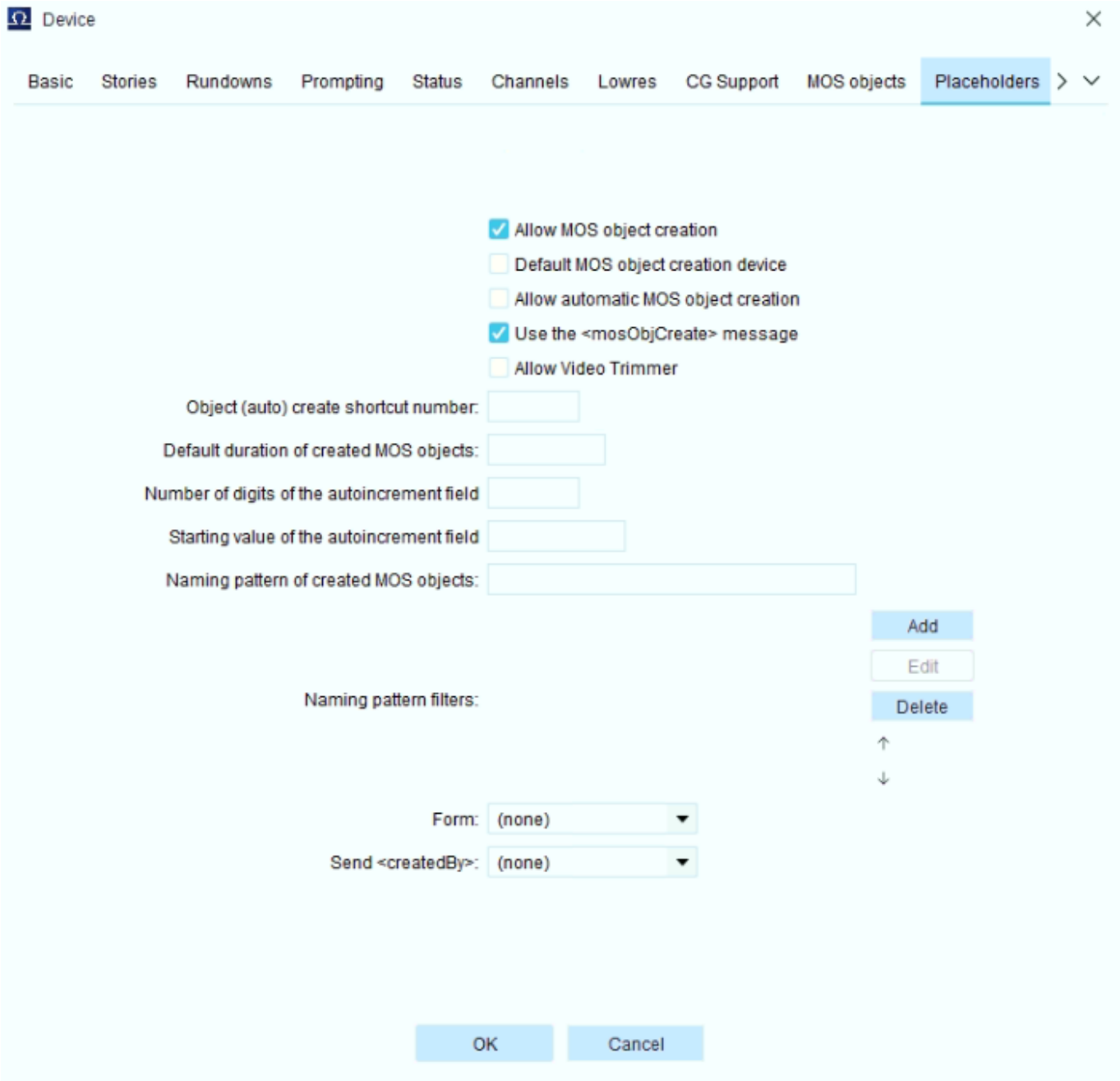

Device
Basic
Stories
Rundowns
Prompting
Status
Channels
Lowres
CG Support
MOS objects
Placeholders
All MOS objects are CGs
No rules
...
CG Type:
(none)
Options
OK
Cancel

MOS objects



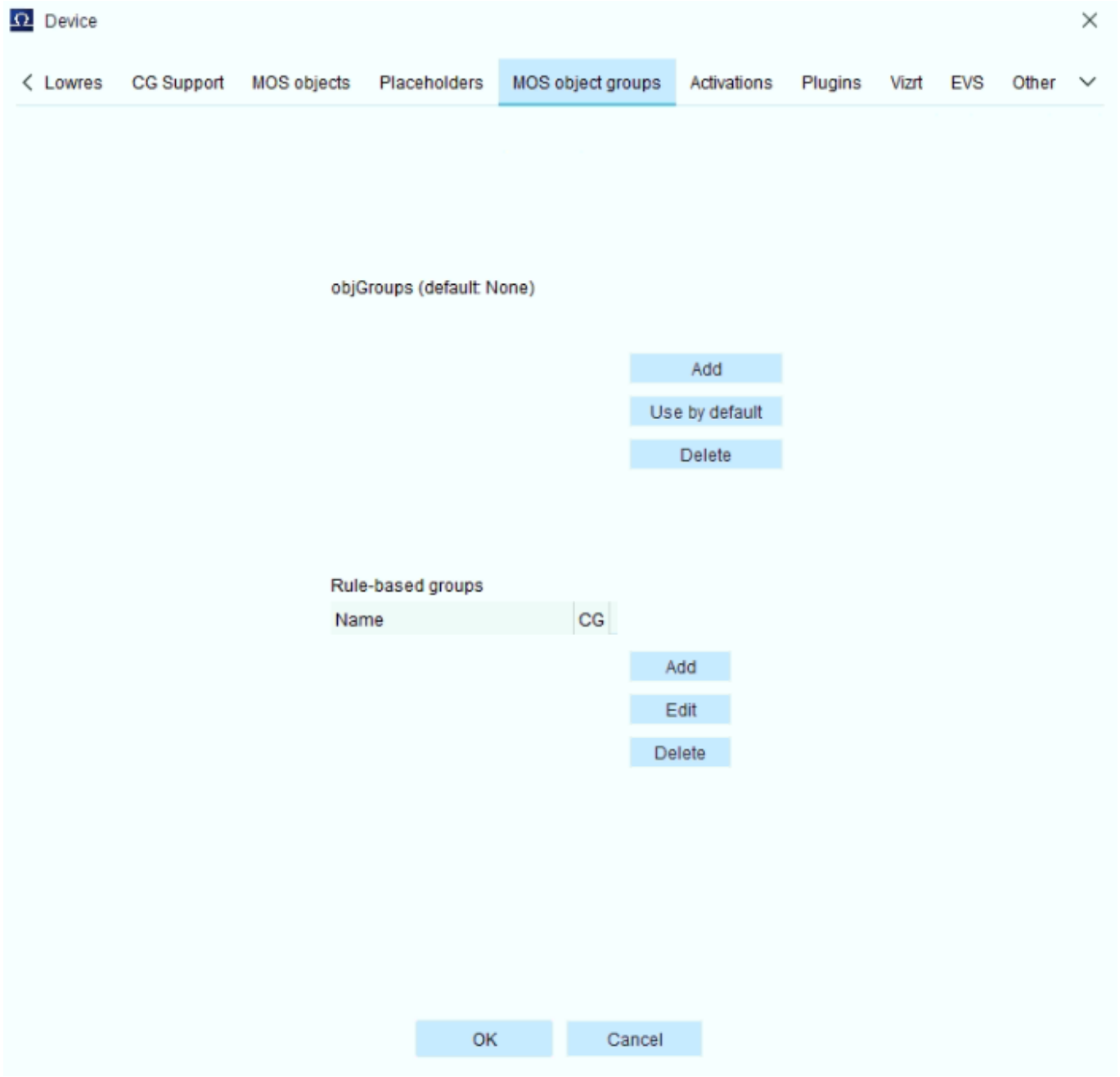
Be sure to disable the “objDur is in frames” option. If this option is left on, the values of the transferred durations will be doubled (durations are transferred in fields, not frames).

Placeholders

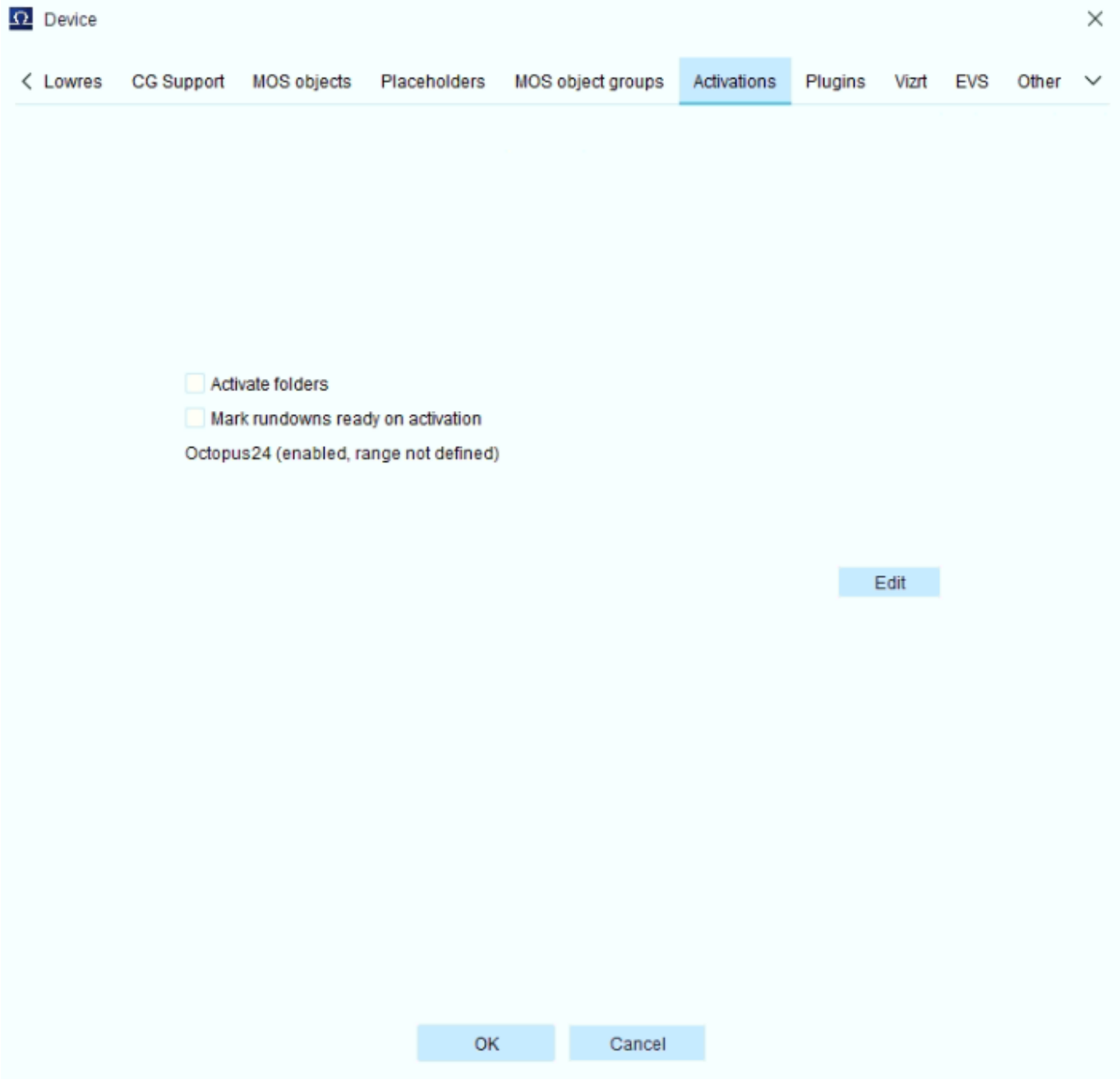


Enable “Allow MOS object creation” and “Use the <mosObjCreate> message” to allow Octopus to create empty clips in the Skylark media database.

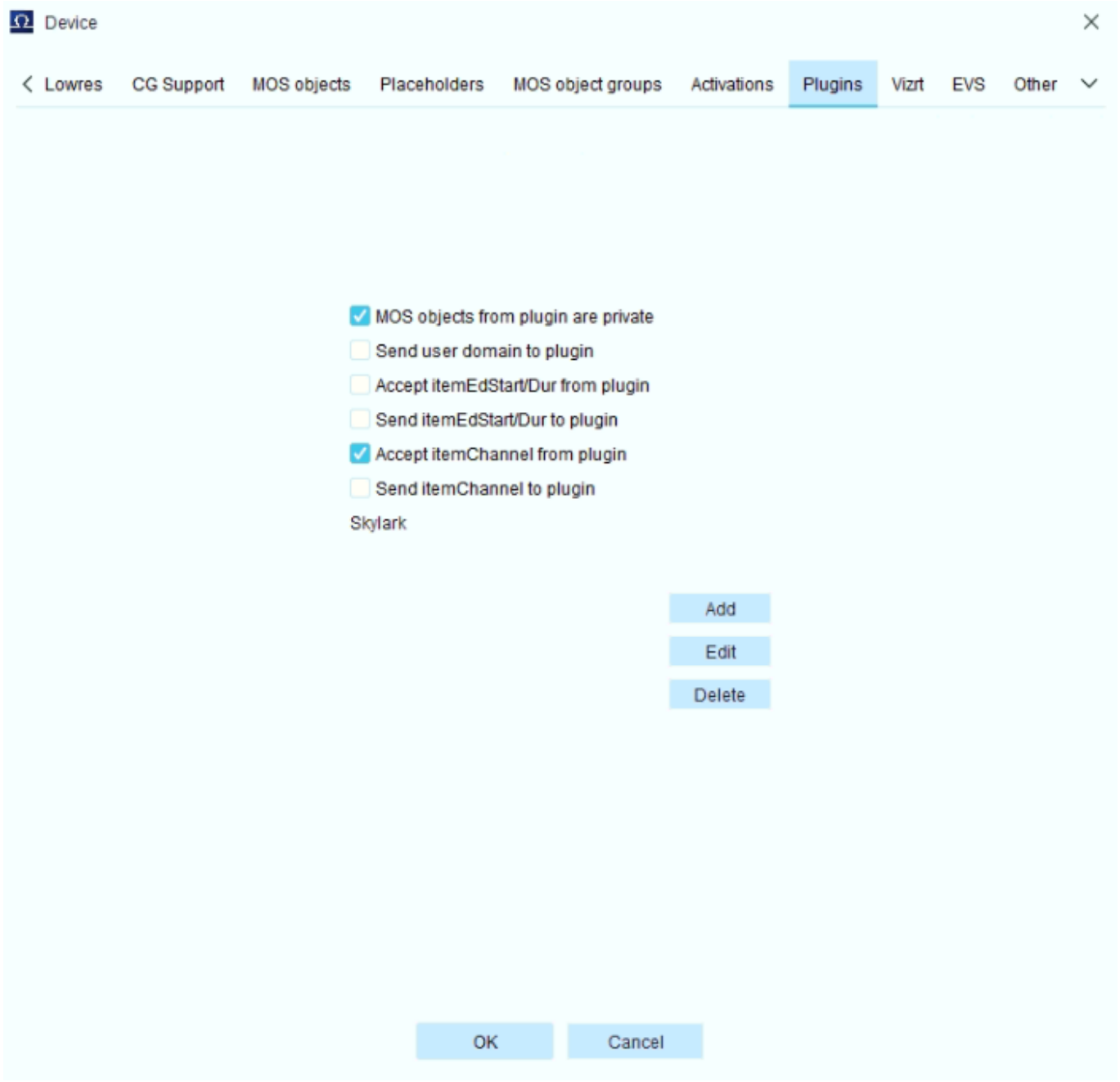
MOS object groups



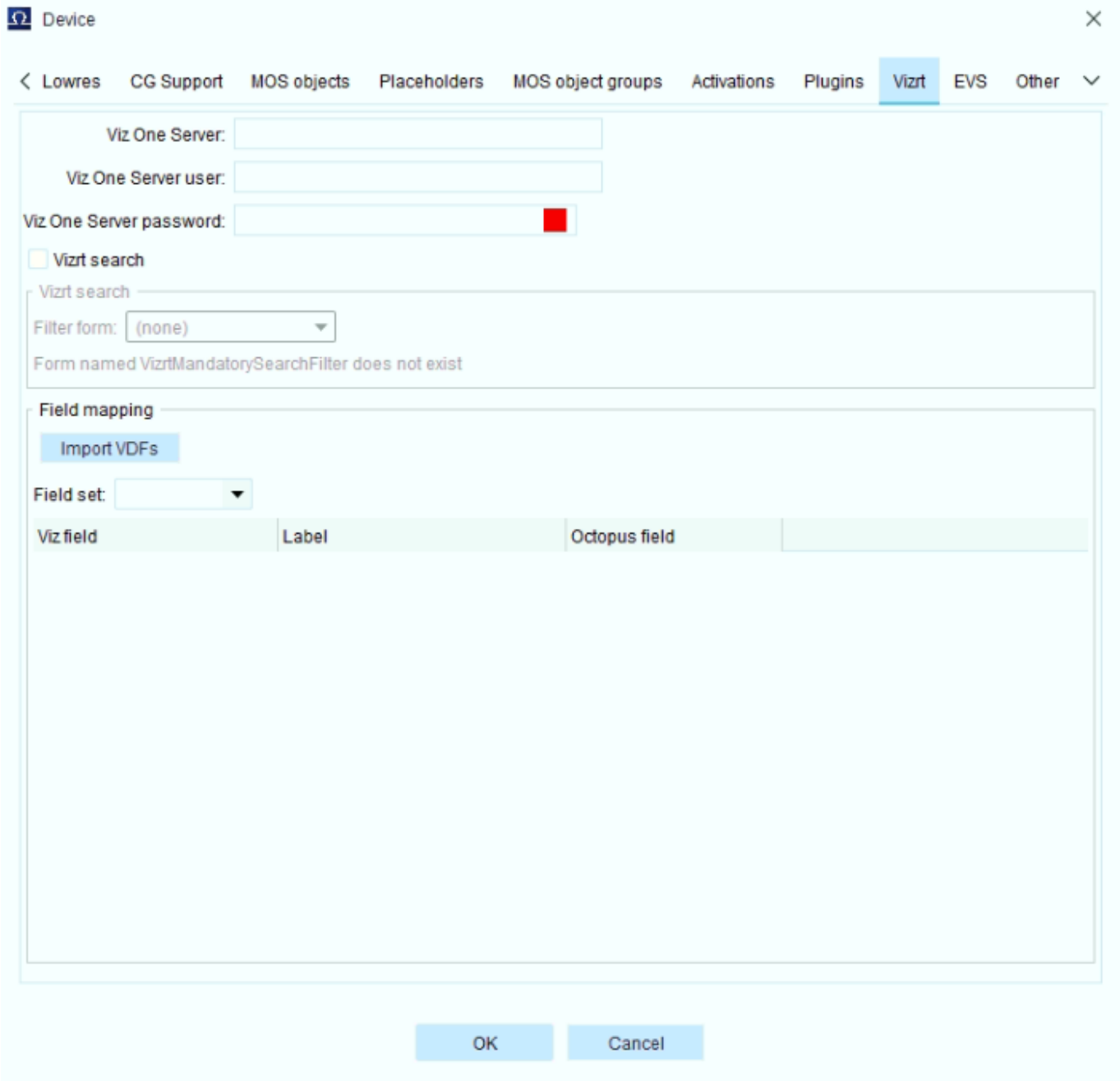
Activations


Device
Lowres
CG Support
MOS objects
Placeholders
MOS object groups
Activations
Plugins
Vizrt
EVS
Other
Activate folders
Mark rundowns ready on activation
Octopus24 (enabled, range not defined)
Edit
OK
Cancel

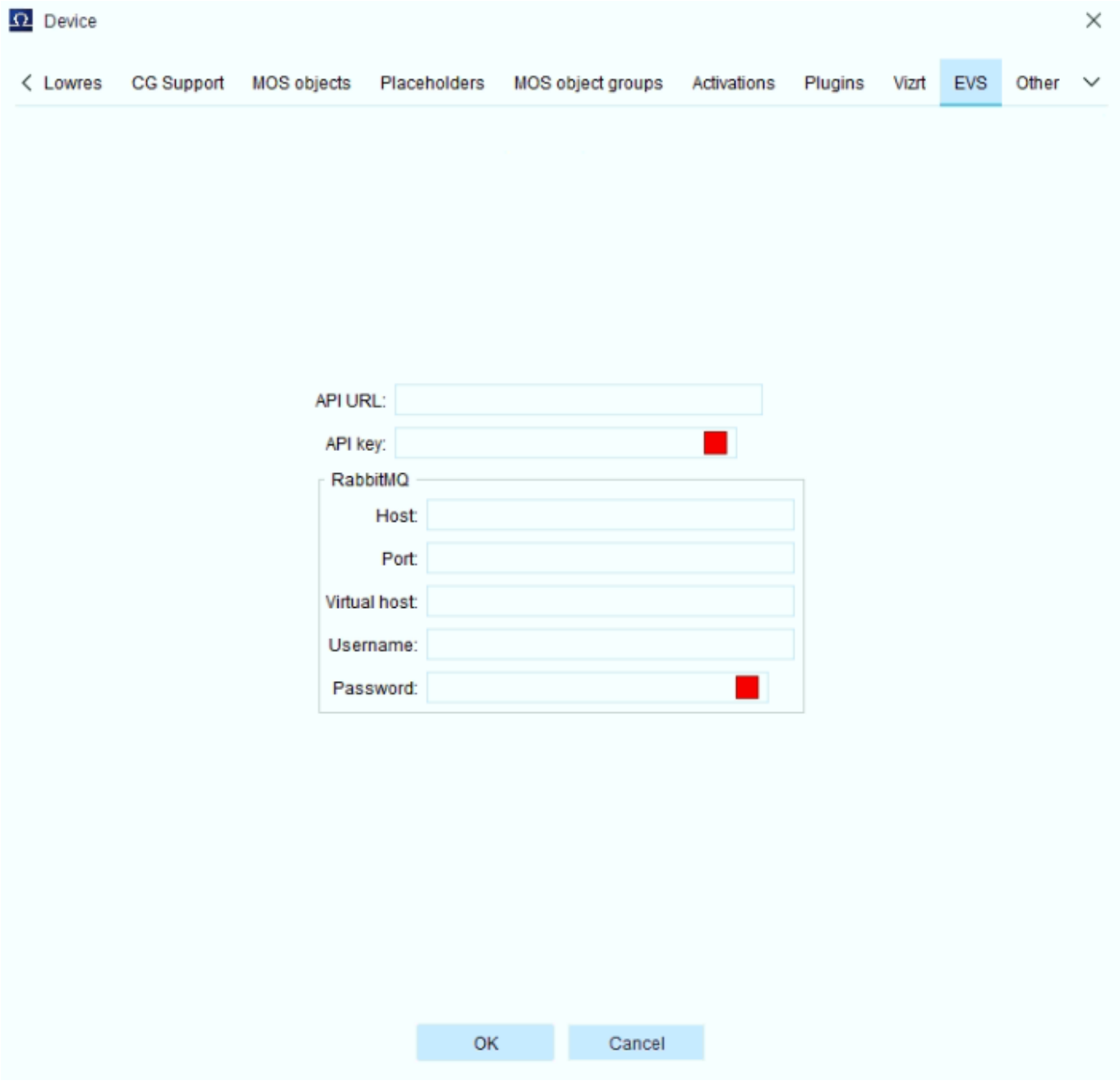
Plugins


Device
Lowres
CG Support
MOS objects
Placeholders
MOS object groups
Activations
Plugins
Vizrt
EVS
Other
MOS objects from plugin are private
Send user domain to plugin
Accept itemEdStart/Dur from plugin
Send itemEdStart/Dur to plugin
Accept itemChannel from plugin
Send itemChannel to plugin
Skylark
Add
Edit
Delete
OK
Cancel

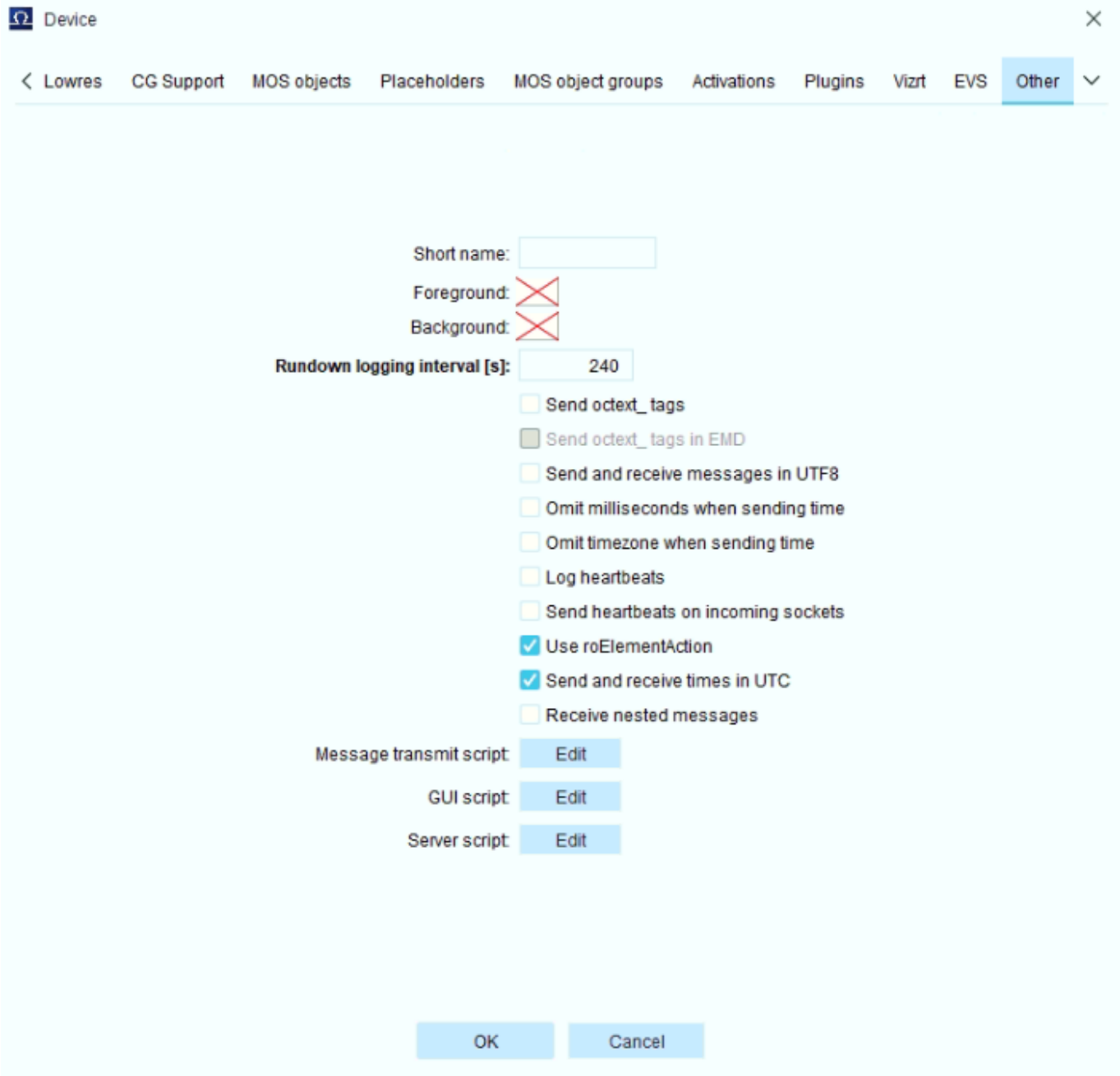
Vizrt


Device
Lowres
CG Support
MOS objects
Placeholders
MOS object groups
Activations
Plugins
Vizrt
EVS
Other
Viz One Server:
Viz One Server user:
Viz One Server password:
Vizrt search
Vizrt search
Filter form:
(none)
Form named VizrtMandatorySearchFilter does not exist
Field mapping
Import VDFs
Field set:
Viz field
Label
Octopus field
OK
Cancel

EVS

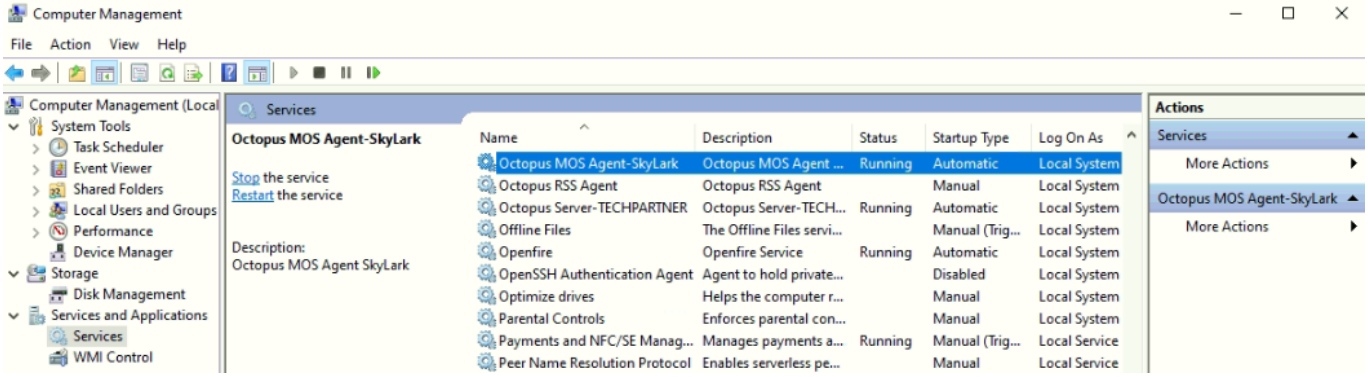

Device
Lowres
CG Support
MOS objects
Placeholders
MOS object groups
Activations
Plugins
Vizrt
EVS
Other
API URL:
API key:
RabbitMQ
Host:
Port:
Virtual host:
Username:
Password:
OK
Cancel

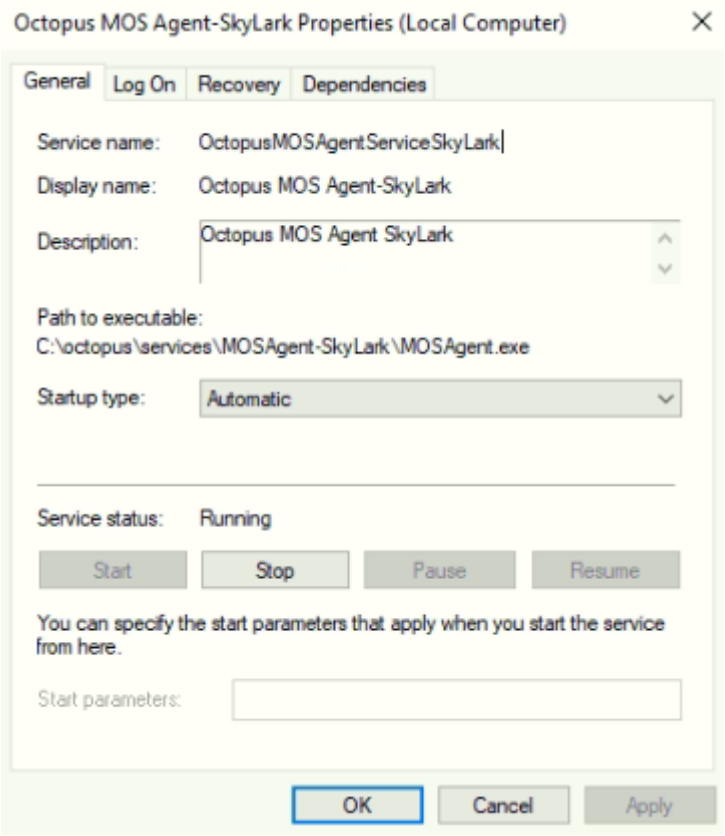
Other



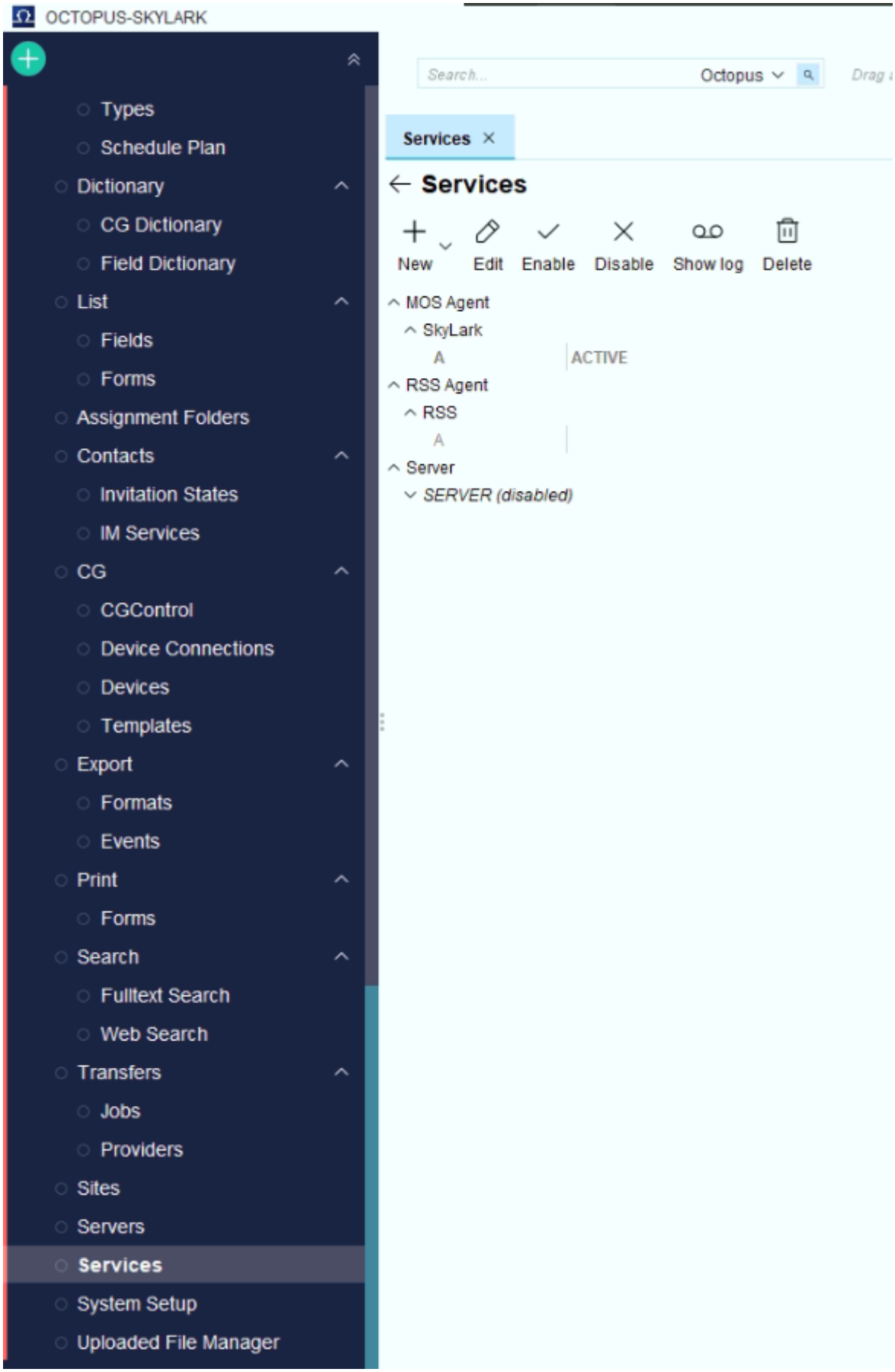
MOS Agent Service

After creating a new device, you need to make sure that the service of the created MOS agent is running



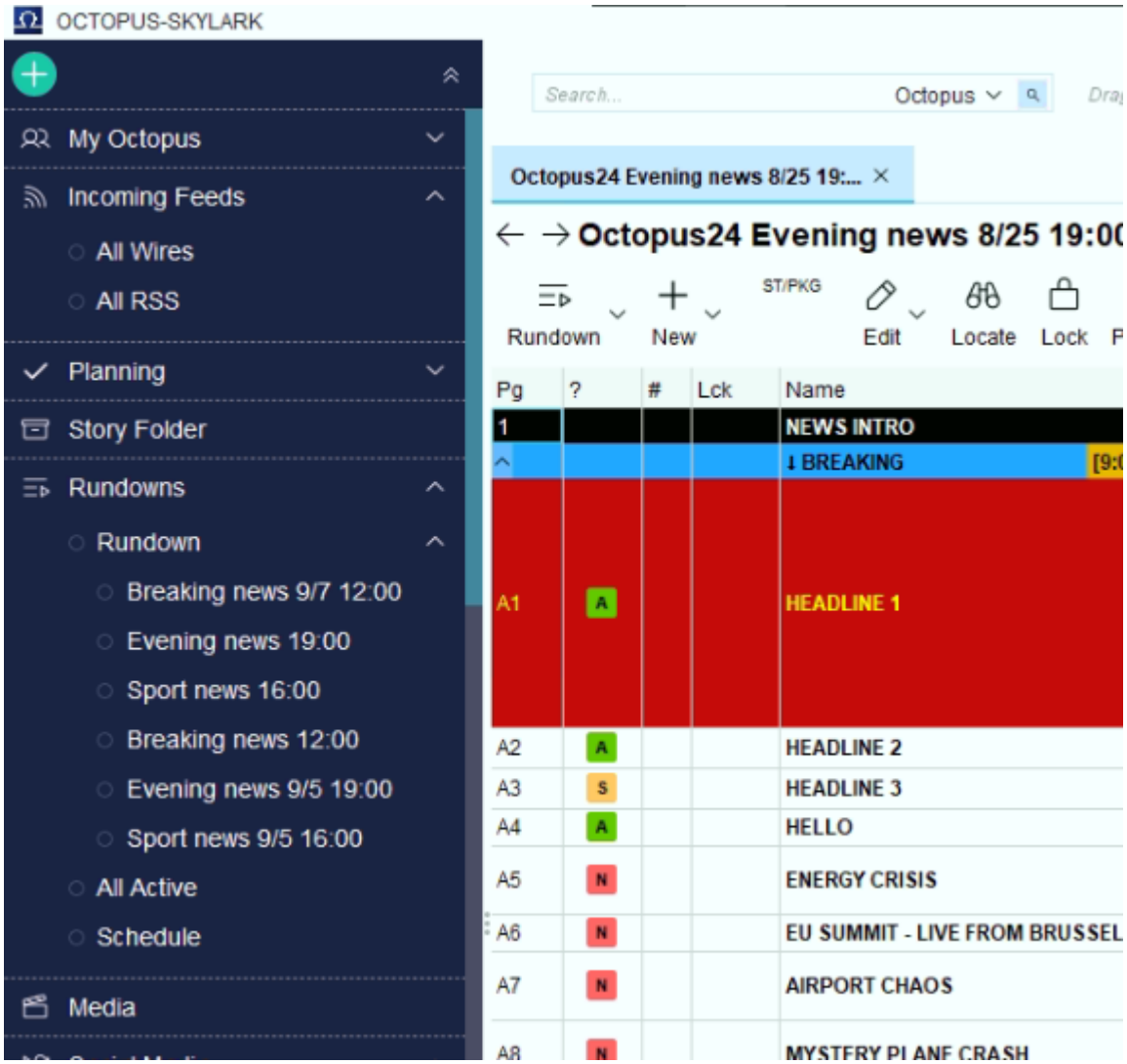


The Services menu also allows you to check the status of the MOS Agent.

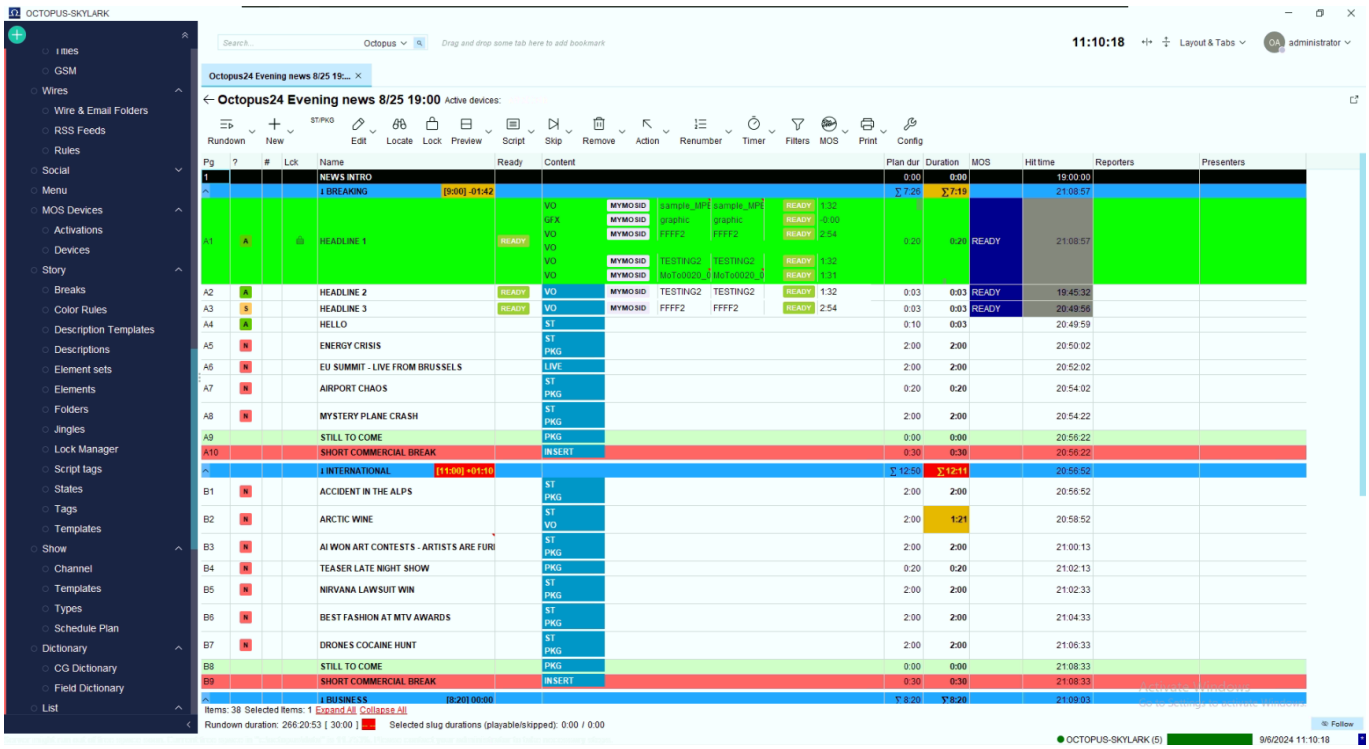

OCTOPUS-SKYLARK
Types
Schedule Plan
Dictionary
CG Dictionary
Field Dictionary
List
Fields
Forms
Assignment Folders
Contacts
Invitation States
IM Services
CG
CGControl
Device Connections
Devices
Templates
Export
Formats
Events
Print
Forms
Search
Fulltext Search
Web Search
Transfers
Jobs
Providers
Sites
Servers
Services
System Setup
Uploaded File Manager
Search...
Octopus
Services
Services
New
Edit
Enable
Disable
Show log
Delete
MOS Agent
SkyLark
A
ACTIVE
RSS Agent
RSS
A
Server
SERVER (disabled)

Running Order View

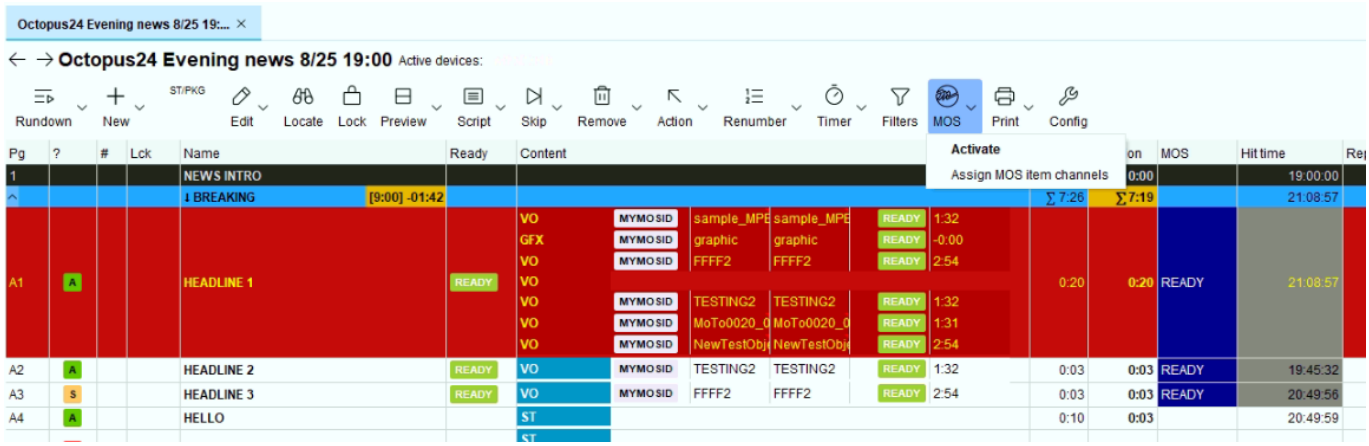
From the Rundowns→Rundown→Name menu, select Running Order to display.



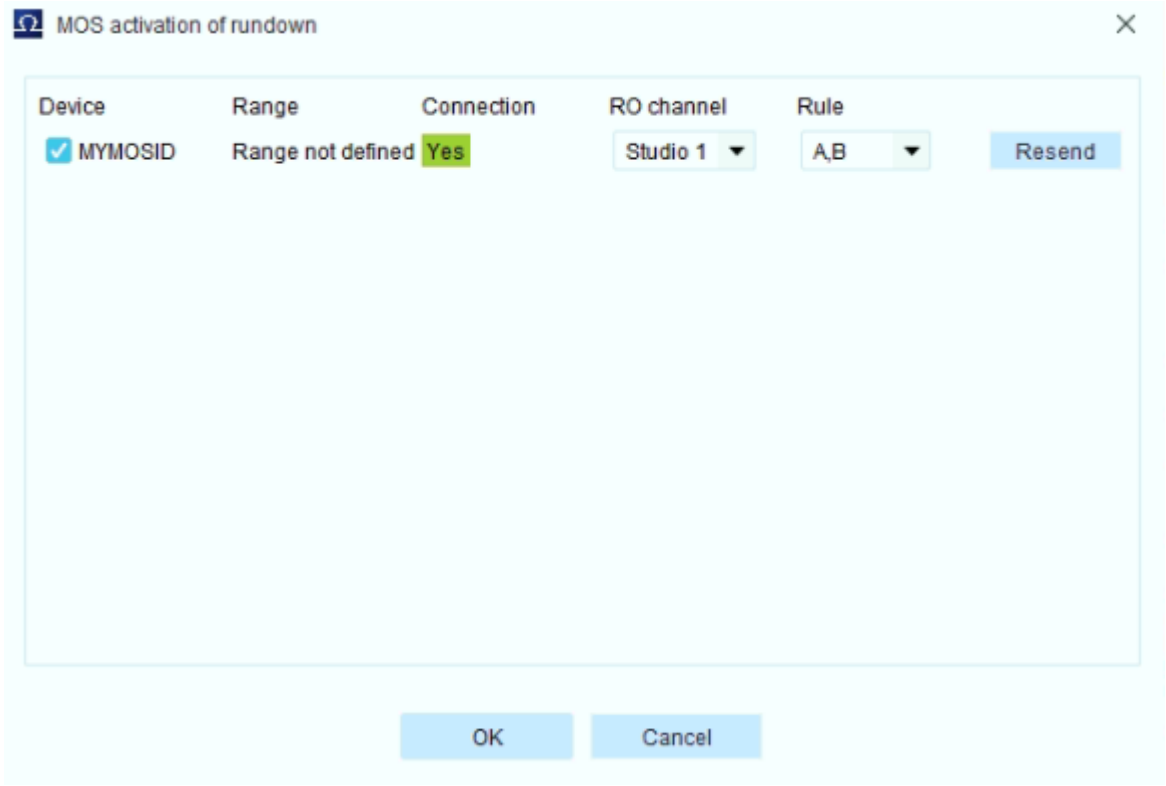
General view of the Running Order window.



Uploading Running Order



Use the “MOS→Activate” button to activate the upload of this Running Order.

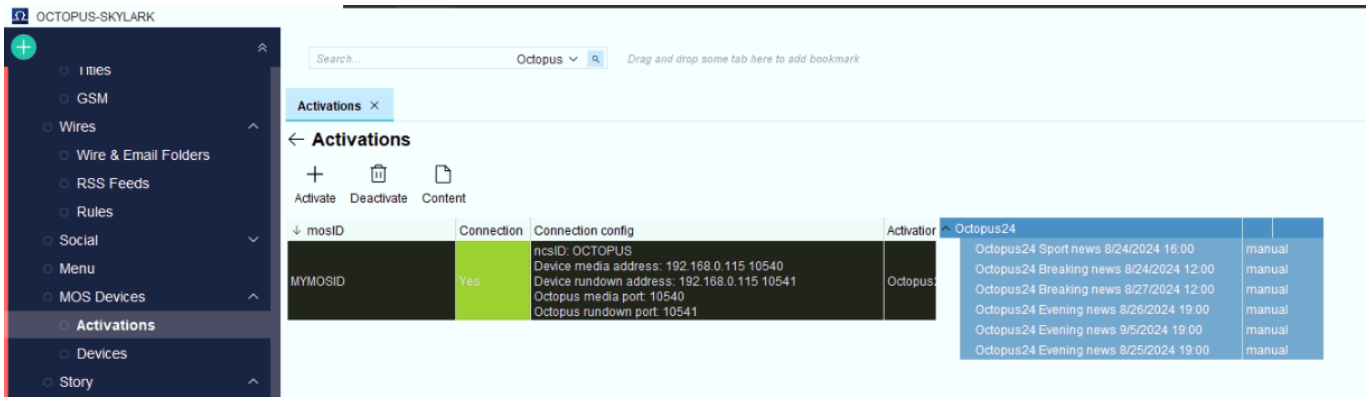


Select the target MOS device that is paired with the Skylark MOS Gateway, and then click OK.

If everything is configured correctly, at this point you should see the name of the activated Rundown in the MOS Running Order display, and when selected, the Rundown items should be loaded into the player playlist.

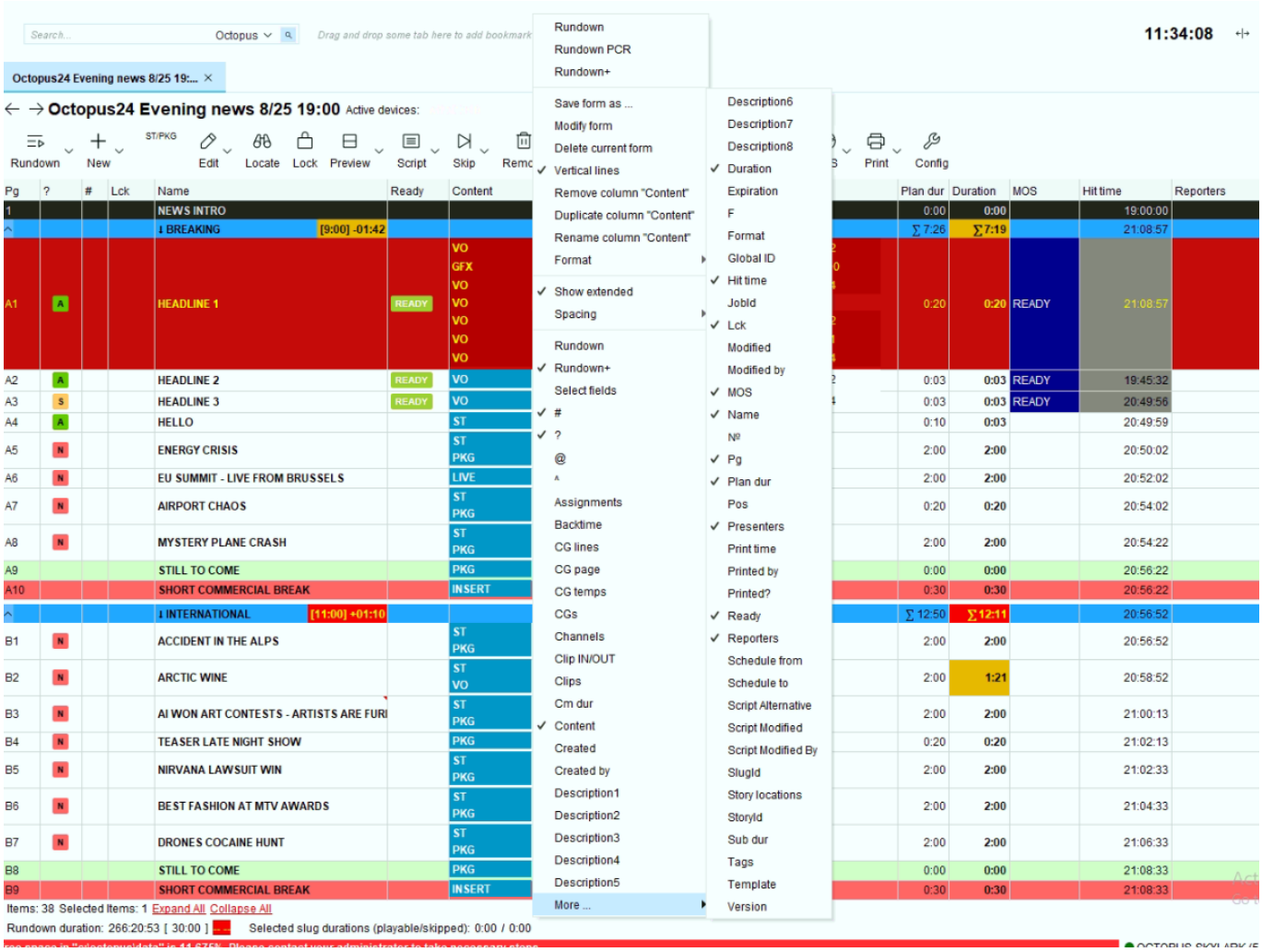
MOS Activations

The `MOS Devices→Activations` window displays active Rundown items for MOS devices.



Selecting Columns in Running Order

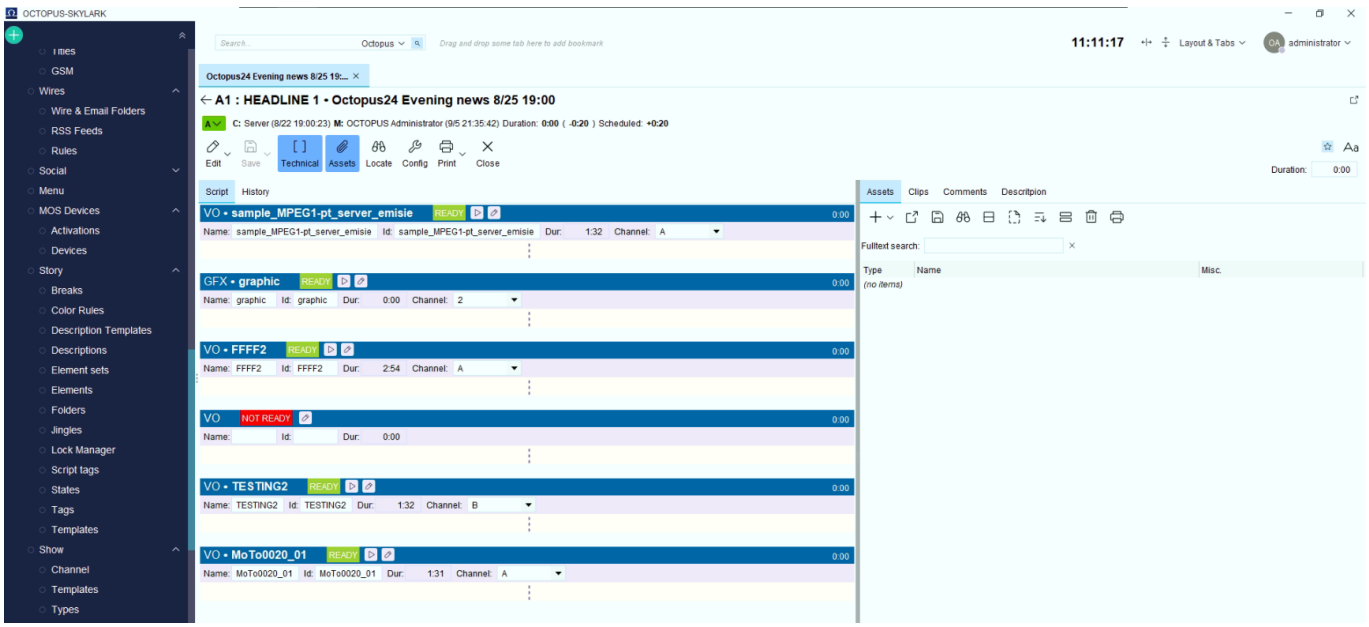
Right-clicking on a column name in Running Order allows you to configure a custom display.



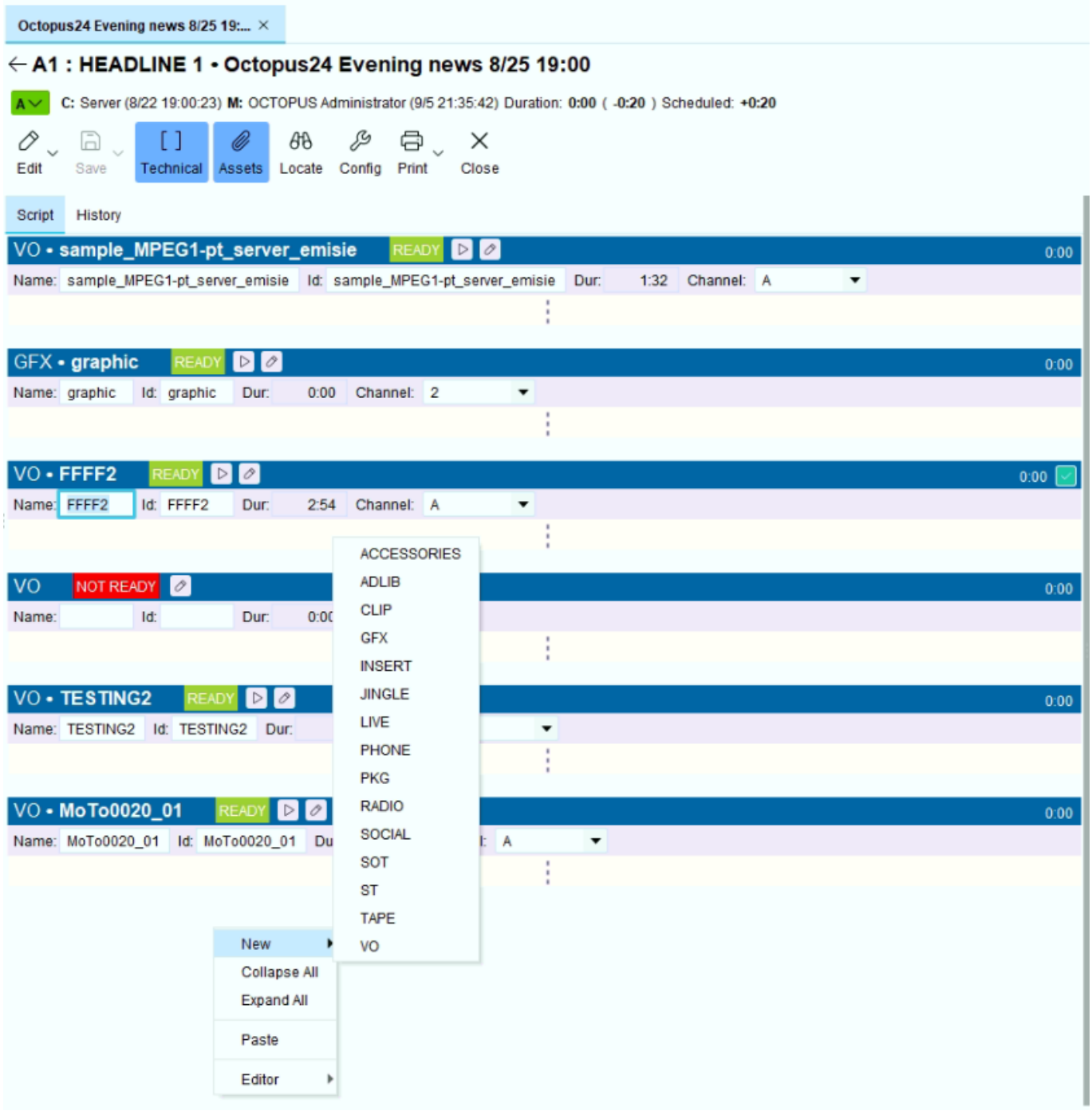
Make sure the MOS, Ready, and Duration columns are enabled and displayed.

Story Editor

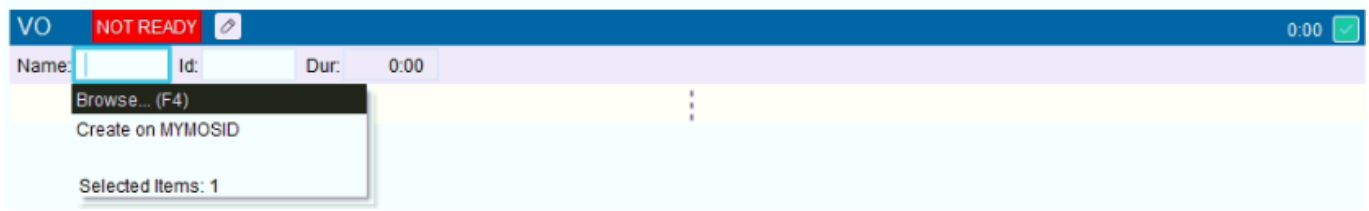
Double-clicking on the Running Order line opens the history editor.



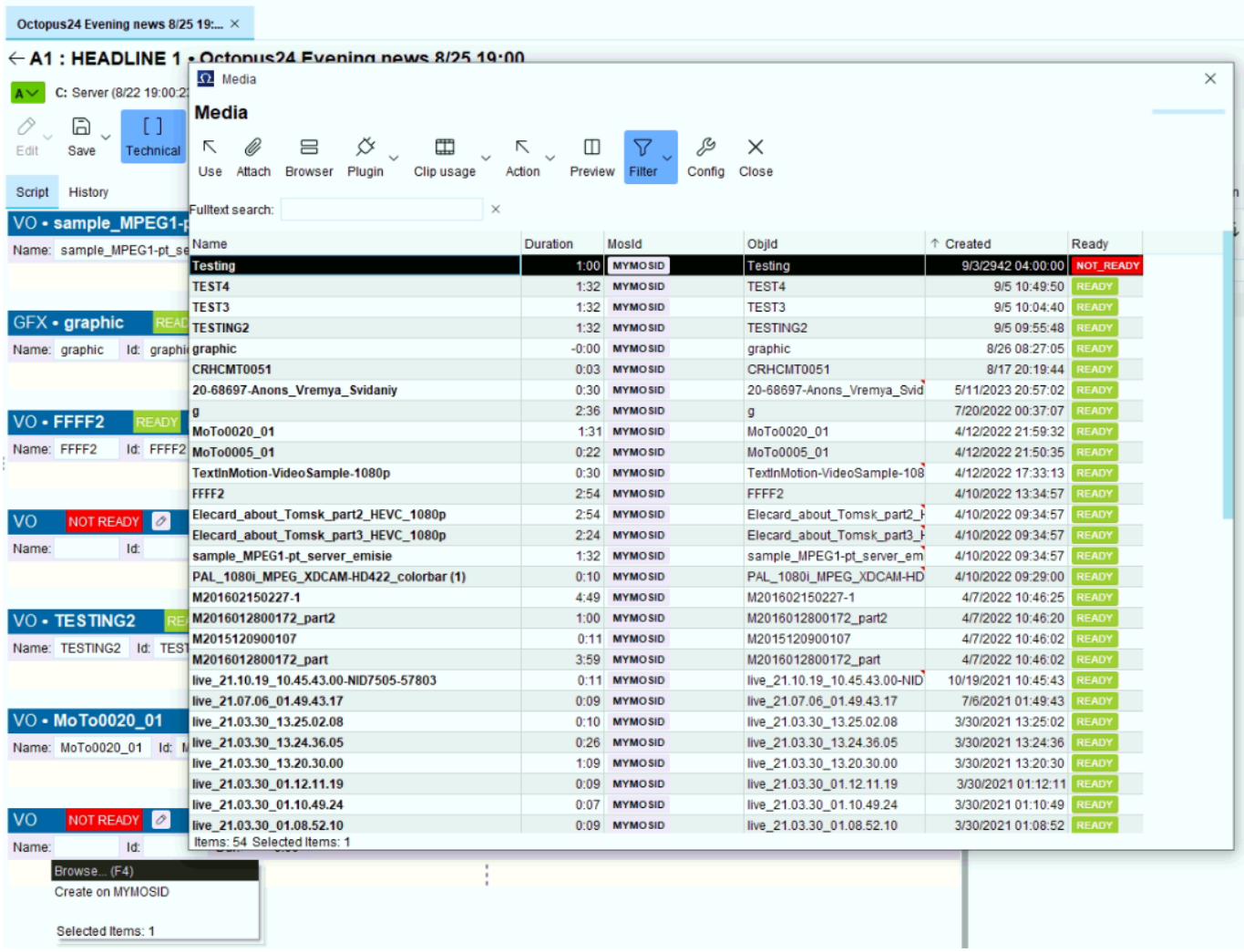
Through the right-click menu or the New button in the toolbar you can create new items (MOS objects) of the desired type.



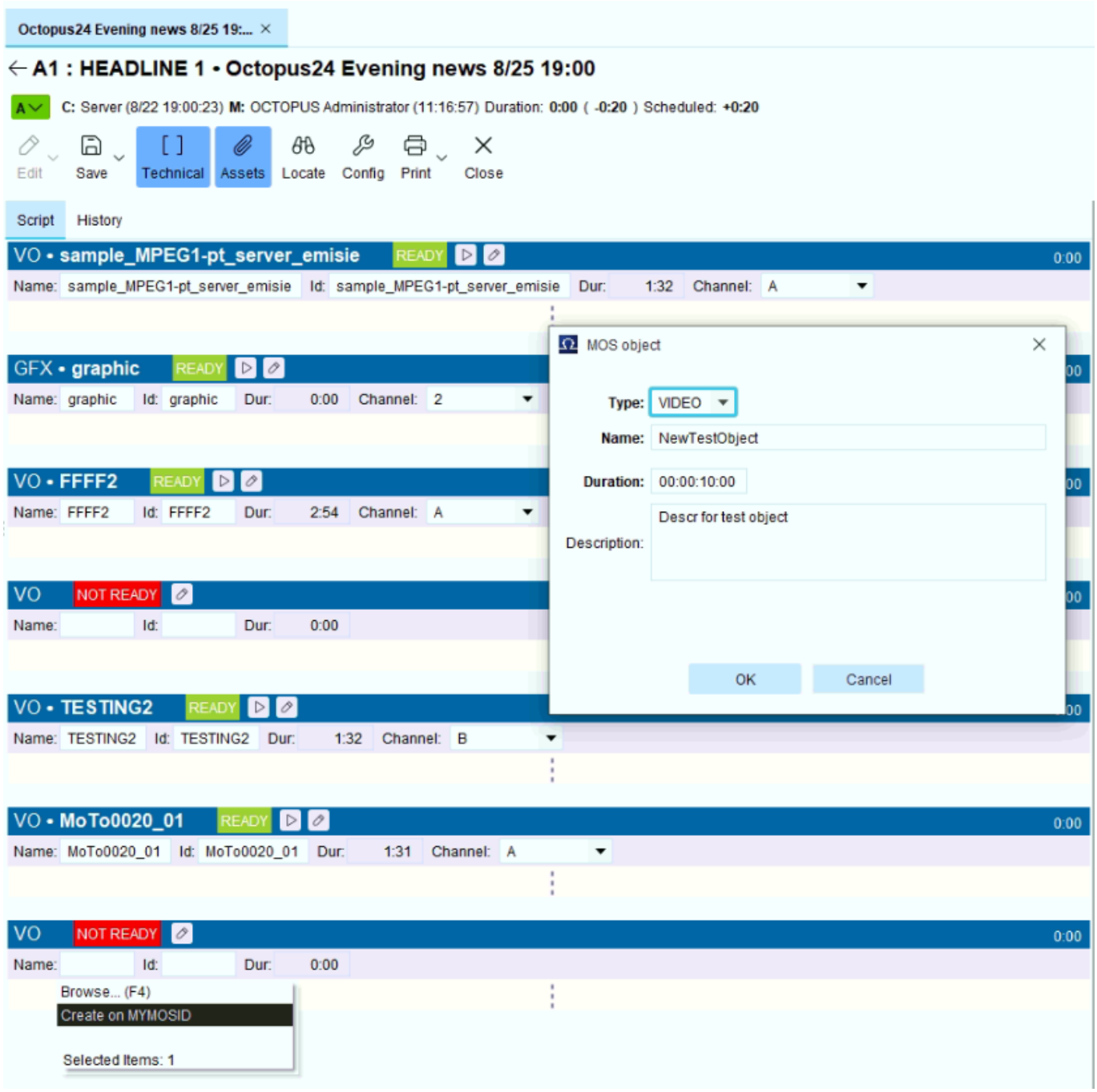
Specify the desired name for the new MOS object of the Video type.



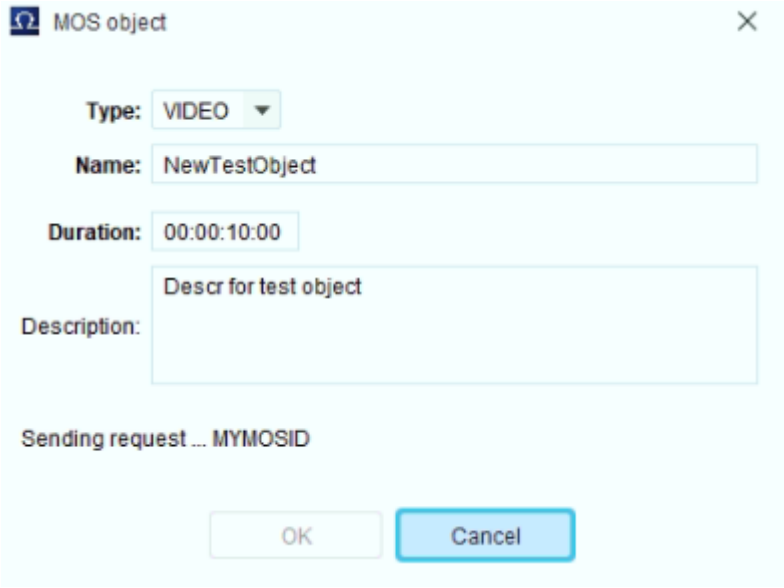
The “Browse” button allows you to see all objects available in the Skylark server's media database. Available after the initial synchronization is done (see Content sync).



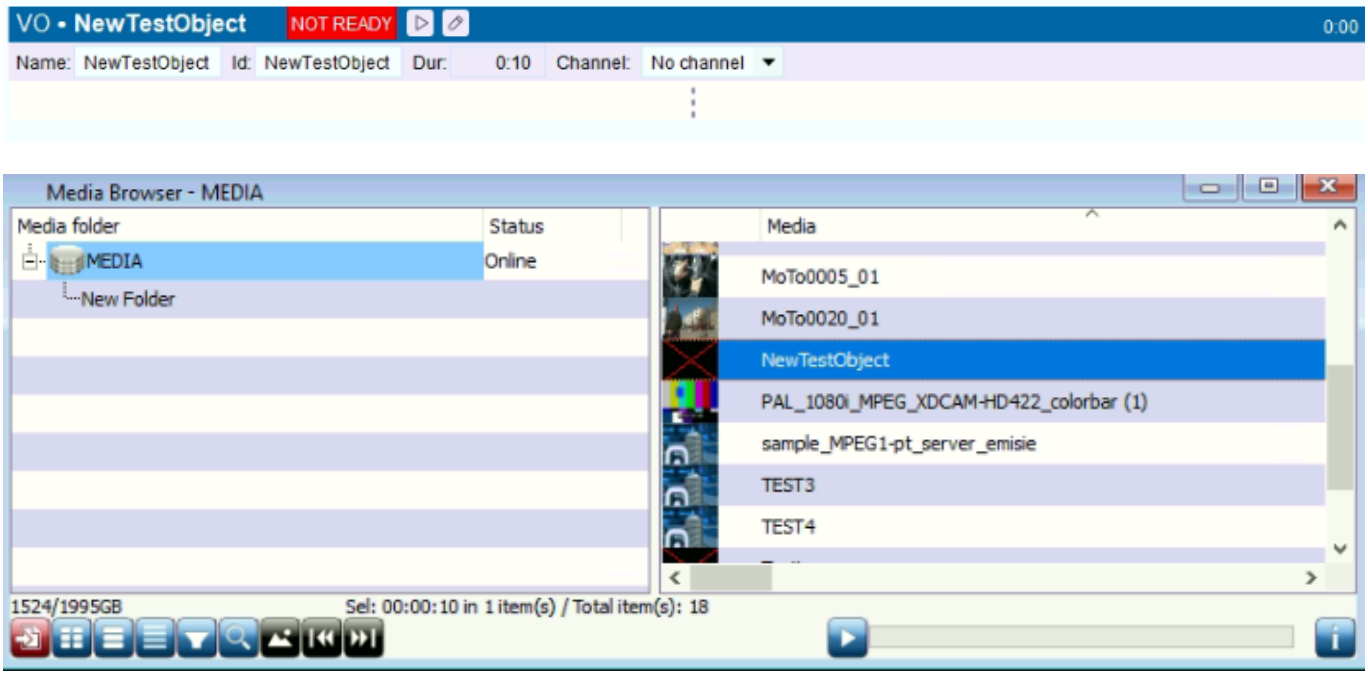
The “Create on MYMOSID” button (the name of your MOS Device will be specified instead of MYMOSID) opens a dialog for creating a pasted clip in the Skylark server media database.



When you click OK, a request is made to the Skylark server.



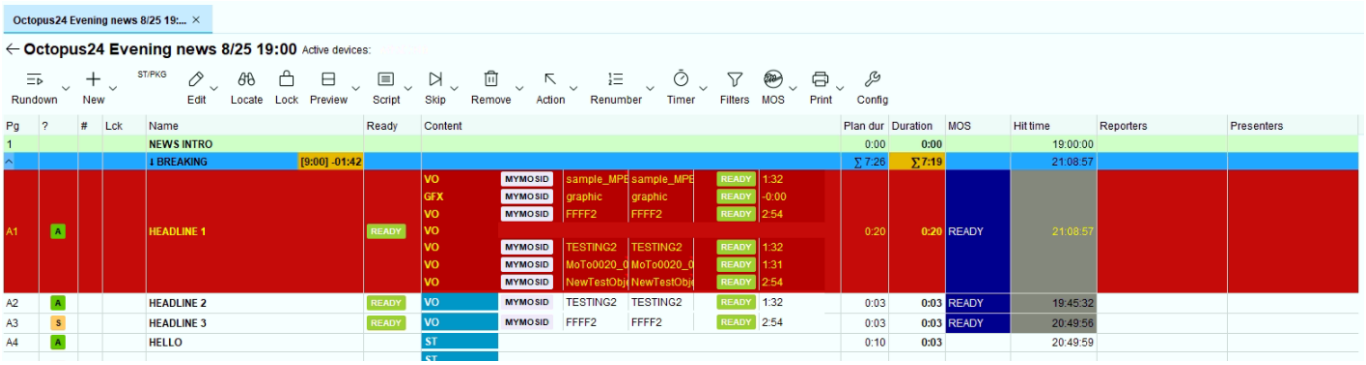
If the request is successful, an object with the specified ID will be created. If such a MediaId already exists, the suffix “(New 1)” will be added.



When Attach Media is executed, the server's media database will pass the READY status and updated duration of the assert to NCRS.



The status and duration will also be visible in Running Order.



From:
https://wiki.skylark.tv/ - **wiki.skylark.tv**

Permanent link:
https://wiki.skylark.tv/integrations/octopus

Last update: **2025/01/16 12:32**