LSM-VIA | VERSION 1.8.54

RELEASE NOTE

CONTENT

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NEW FEATURES

IN 1.8.53

> LSM-VIA 1.8 supports Rocky Linux as operating system on the XClient-VIA unit, on top of CentOS. Dedicated LSM-VIA installers & ISO images are available for each operating system in the release package.

IN 1.8.45

> LSM-VIA is now compatible with XS-VIA Servers in XSense mode. In such configuration, the lever of the LSM-VIA remote can only be used to trigger start/stop playout commands, as variable speed playback on the XS-VIA is not available. However, the lever remains fully available in Playlist edit mode.
> Clips can be created with different IN & OUT points on each angle. Operators will be able to toggle between this new behavior and the previous behavior (same IN & OUT points on all angles) through the new "Clip Creation Boundaries (IN & OUT)" parameter, available in the LSM-VIA configuration.
> "Sort by TC IN" is available from the LSM-VIA Remote in Playlist Edit Mode.
> The Playlist panel in the LSM-VIA Viewer application has been improved:
>> o Display of a dynamic remaining time while Playout,
>> o Ability to enable/disable Playlist Scroll lock to Playout,
>> o CTRL+A Shortcut to select all Playlist items,
>> o Reworked multi-selection edit for Mute, Speed, Effect, Fx Dur & Audio Split,
> The Playlist interface on the LSM-VIA Remote have been reviewed to improve the user experience,
> The LSM-VIA configuration offers an Import / Export functionality allowing to restore / back-up System settings, but also user-defined LSM-VIA Remote Shortcuts, Shotbox content & Trains filters.
> Mark Points can be set in Live Mode when a Playlist is loaded on controlled Players.
> The "Fast Jog" option is now also available in MultiReview mode.
> When exporting Clips through VIA-Xsquare, the "restricted range" option of "same EVS server source" destinations is now properly supported (requires at least VIA-Xsquare 4.9).
> The ProRes 4K codec is properly supported for all Export & Flatten workflows.

IN 1.7.26

> LSM-VIA 1.7 is compatible with Multicam 20.6, on top of the Multicam 20.5 compatibility.

IN 1.7.25

> The timer to map content to the LSM-VIA Remote Shortcut buttons through a long-press has been increased from 600 ms to 1 second.

IN 1.7.14

> **LSM-VIA now offers a MultiReview functionality**. The LSM-VIA MultiReview is an advanced mode which allows the LSM-VIA user to operate on the recorders from the whole network. It is used to view and browse the feeds from all the EVS server recorder channels of the network and select attractive camera angles to create and export clips or to build playlists.
> **The LSM-VIA MultiReview functionality is only available if the dedicated "LSM-VIA-MRV" license code has been installed on the XClient-VIA unit.**
> The LSM-VIA configuration tool offers more flexibility to assign Server Players to the LSM-VIA Operators. Each Operator can select specific Players individually (max. 3 Player Channels per Operator), with the constraint to select consecutive Players only. Some Server Players can be left unassigned in the LSM-VIA configuration, in order to be exclusively controlled by other protocols.
> LSM-VIA can fully access the content of network EVS Servers sitting on different PC LAN networks, which is especially useful when several OBTrucks must be interconnected for a specific event.
> Growing Clips can be loaded more quickly, when the notion of Pref. CAM isn't defined yet on the EVS Server.
> Navigating to a specific Page / Bank from the LSM-VIA Viewer is available by typing one (Page only) or two (Page + Bank) digits and hitting the F7 keyboard shortcut.

> When navigating towards the Playlist View of the LSM-VIA Viewer application, LSM-VIA will land on the Playlist corresponding to the previous Clip Grid navigation, instead of landing on the previously selected Playlist.
> Navigating back and forth between the current Server Clip Grid and the previously visited one from the LSM-VIA Viewer is available through the SHIFT+F9 keyboard shortcut.
> When updating a configuration parameter that requires LSM-VIA to be restarted, the Operator has the option to restart LSM-VIA directly from the configuration tool.
> Engineers configuring LSM-VIA setups have access to an "EVS Server connection check" button from the LSM-VIA configuration tool, to check if the local Server can be reached properly and if the connection between LSM-VIA & the Server is healthy.
> When VIA-Xsquare 4.7 is deployed on the setup, the LSM-VIA Operator will be able to access the VIA-Xsquare monitoring tool from the LSM-VIA Viewer application, through a dedicated button or through the F11 keyboard shortcut.
> Connectivity information is available in the LSM-VIA Remote About menu for the connected LSM-VIA Remote, XClient-VIA & local XT Server (PC LAN addresses, hostnames, XNet number & name).
> Improvements of LSM-VIA Remote Shortcuts:
>   o The Shortcut categories have been reorganized. The functions impacting the controlled Channels & the shortcuts to the LSM-VIA control modes have been regrouped under the "Control" category. The functions relating to network content or search workflows have been regrouped under the "Content Access" category. The content of the "Generic" category has been reduced accordingly.
>   o Shortcuts to the "Multi-PGM" & "PGM+PRV" control modes have been added to the "Control" category.

BUG FIXES

IN 1.8.54

> When a network Clip which wasn't available on the XNet network anymore was mapped to a Shortcut button on the LSM-VIA Remote panel, it was sometimes preventing the LSM-VIA Remote panel to start properly (LSMVIA-15824 & LSMVIA-15897).

IN 1.8.53

> LSM-VIA was often crashing when the Engineer was quitting Multicam on the local Server, to which LSM-VIA was connected (LSMVIA-15615).
> The import function of the LSM-VIA configuration didn't work properly, and Operators were not able to import their configuration on the LSM-VIA station (LSMVIA-15581).
> When copying an existing Playlist to an empty Playlist spot which was also selected as active Playlist on the LSM-VIA Remote, the various Playlist interfaces of LSM-VIA were displaying the correct name after the copy, but were always showing 0 for the amount of Playlist items (LSMVIA-15700).
> When using the restripe TimeCode functionality from the LSM-VIA Viewer application, the operator wasn't able to confirm the TimeCode update using the "ENTER" keyboard key if the mouse cursor was still in one of the TimeCode or Date fields (LSMVIA-15483).

IN 1.8.50

> When a Clip contained Mark Points, and if the Operator tried to access those Marks with the "Last mark" function or the "Browse" function, the LSM-VIA application was crashing (LSMVIA-15439).

IN 1.8.49

> When working with Playlists, it was often not possible to change the boundaries of Playlist items through combinations of CLEAR+IN, IN, OUT and/or CLEAR+OUT (LSMVIA-15396).
> When working with MultiReview, and when the Operator was moving from one workspace to another, all streams were paused within the workspace, forcing the Operator to go back to LIVE manually. This issue also prevented Operators to use a multi-selection of Recorders across multiple workspaces (LSMVIA-15356).

IN 1.8.45

> When restarting LSM-VIA from the LSM-VIA configuration tool, the LSM-VIA processes were sometimes not responding anymore. The workaround in such scenario was to manually kill the LSM-VIA processes and to restart LSM-VIA manually as well (LSMVIA-12392).
> LSM-VIA was sometimes crashing when closing the application from the LSM-VIA Workstation (LSMVIA-14246 & LSMVIA-14390).
> The LSM-VIA application was sometimes misbehaving when the recording process of the local EVS Server was stopped, but also when it was restarted afterwards (LSMVIA-11612).
> The LSM-VIA application was sometimes crashing when using the "Sort by TC IN" function on the active Playlist, while the recording process of the local EVS Server was stopped (LSMVIA-14557).
> The LSM-VIA application was sometimes crashing when removing all items from the active Playlist, while the recording process of the local EVS Server was stopped (LSMVIA-14640).
> When LSM-VIA was receiving multiple error messages from the local Server to be displayed to the Operator (e.g. "Disk disconnection), it was not possible to acknowledge them one after the other. Eventually, the LSM-VIA Remote ended up in an inconsistent state with the ENTER button blicking and no other function available (LSMVIA-12160).
> When the local EVS Server was disconnected from the XNet Network, it was not possible to acknowledge the warning message from the Server using LSM-VIA (LSMVIA-14270).
> In collaborative workflows, when editing multi-selections of Playlist items in big Playlists from LSM-VIA or IPDirector, it was often leading to responsiveness issues for all Operators connected to the same EVS Server. This was sometimes leading to LSM-VIA disconnections as well (LSMVIA-13505, LSMVIA-13506, LSMVIA-13507, LSMVIA-13886 & LSMVIA-14033).

> When the Production Network was heavily loaded, it was sometimes not possible to add Clips to Playlists anymore, or to select other Playlists (LSMVIA-14349).
> When an Operator was loading a Network Playlist from another EVS Server on the production Network, and if this Playlist was deleted at the same time, the LSM-VIA application was crashing (LSMVIA-13893).
> When 2 Operators were working on the same EVS Server (e.g. "PGM 1 & 2" for Op 1 and "PGM 3 & 4" for Op 2), if the first Operator was starting LSM-VIA while the other had a Playlist loaded and if this particular Playlist was deleted while the first LSM-VIA station was still running, then the first Operator was not able to restart LSM-VIA afterwards (LSMVIA-14561).
> When editing Playlists from the LSM-VIA Remote, using the Lever, for an extended period of time, it was sometimes leading to an LSM-VIA Remote disconnection followed by a crash of the LSM-VIA application (LSMVIA-14997).
> When deleting items anywhere in the loaded Playlist using the LSM-VIA Remote, the Playlist interface displayed on the Touch Screen was sometimes jumping to the first Playlist item (LSMVIA-13384).
> When Playlists were mapped to the LSM-VIA Shotbox before being deleted, the LSM-VIA interfaces were still showing such Playlists while they no longer existed on the EVS Server (LSMVIA-15144).
> From the LSM-VIA Remote, when deleting the second Playlist item to insert it back at the first position, the moved Playlist item was no longer displayed on the Remote Playlist interface, while it was properly displayed in the LSM-VIA Viewer Playlist panel (LSMVIA-13907).
> When going from Playlist Edit Mode to Playlist Playout Mode, or inversely, the "Browse" function was being disabled (LSMVIA-14452).
> When the Operator deletes a modified Playlist item from the Playlist in Always Mode, the updated Playlist item lands on the PRV channel, and the Operator has the ability to insert it somewhere else in the Playlist afterwards while keeping the edits. If the Operator was reloading the original Clip from the Viewer after the Delete operation, the PRV channel was properly jumping to the boundaries of the original Clip, but if the Operator inserted the Clip in the Playlist afterwards, LSM-VIA was still inserting the updated Playlist item instead of the untouched original Clip (LSMVIA-12175).
> When the Record Train IDs of a Server on the Network changed following an XNet disconnection / reconnection, LSM-VIA Operators were not able to access the Record Trains of that particular Server afterwards. This behavior could also happen when a Server configuration was updated on the Network (6 OUT > 4 OUT > back to 6 OUT - then OUT 5&6 have different IDs), or when a "Clear Train" was executed on Server side (LSMVIA-10700 & LSMVIA-10530).
> When the Operator was using the "Go to OUT" and "Play" functionalities in sequence, the "Play" function wasn't working anymore at some point (LSMVIA-13894).
> When swapping content between PGM & PRV channels, if the media loaded on the PGM channel was paused (e.g. Clip on its OUT boundary), the content swapped from the PRV wasn't being played out immediately and was staying at 0% (LSMVIA-12322).
> When a Clip was loaded on the PRV channel on a different TimeCode than the Short-IN, and if the Operator was swapping it on the PGM channel for ON-Air playout, the Clip angle was being played until the protected OUT and the playout was not stopping on the Short-OUT (LSMVIA-14429).
> When the Operator was creating Clips while the same Network Record Train was loaded on the PGM & PRV channels, the same angle was created twice on the Server (LSMVIA-14343).
> When the Operator was creating Clips on a Network Server that had the "Clips Edit by Network" parameter set to "No", the LSM-VIA remote was beeping and the Clip wasn't created (LSMVIA-15267).
> When copying Clips from a Network Server to the local Server, and if the "Network Copy/Push" parameter of the Server was set to "Gigabit", LSM-VIA was sometimes displaying "Failed to copy clip" errors while the Clips were eventually properly copied on the local Server (LSMVIA-14382).
> When clearing all unprotected Clips & Playlists from the local XT Server, the process was sometimes getting stuck for a couple of minutes. However, at the end of the execution, the unprotected content of the local Server was effectively cleared (LSMVIA-10386).
> When the Operator was loading different Clips on his PGMs, and if the Operator controlled PGM 2 or PGM 3, the Clip that was restriped from the LSM-VIA Viewer was the Clip loaded on the PGM1 even if it wasn't the smallest controlled PGM. The restripe TC function executed from the Viewer now takes the smallest controlled PGM on the Remote into account when triggering the function (LSMVIA-11107).
> LSM-VIA didn't allow keywords containing the "=" character (LSMVIA-4898).

> The VIA-Search component integrated in the LSM-VIA Viewer application was sometimes showing Clips from Servers that were removed from the Production Network, and was sometimes not showing Clips from recently added Servers (LSMVIA-14164).
> The assigned Player name was not properly displayed at the top of the LSM-VIA Remote interface when working in PGM+PRV mode (LSMVIA-12793).
> When working in VSplit or HSplit mode from the LSM-VIA Remote, and if the Operator was going back to LIVE while such mode was active, the "Picture Position" function wasn't available on the Remote panel (LSMVIA-13810).
> When working in SplitMix mode from the LSM-VIA Remote, and if the Operator was editing the Mix% between the 2 sources, the OSD feedback on the Server MultiViewer wasn't available anymore, but the Operator was still able to adjust the Mix% (LSMVIA-12071).
> When restoring Clips on EVS Servers from XTAccess, such Clips were sometimes indefinitely displayed as growing within the LSM-VIA Viewer application (LSMVIA-14569).
> It was not possible to flatten a Playlist using VIA-Xsquare when the Net Name of the EVS Server was empty (LSMVIA-13534).
> When Export targets are added/removed from VIA-Xsquare, the list of targets displayed in the editing interface of the LSM-VIA Remote Shortcuts ("Export" category) wasn't updated in real-time (LSMVIA-12351).
> The log extraction process was not retrieving all LSM-VIA Remote log files properly (LSMVIA-13153).

IN 1.7.39

> When an Operator was updating the AUX Clip of a Playlist multiple times in a row, it could have an impact on other LSM-VIA Workstations on the Production Network, preventing them to start the LSM-VIA application (LSMVIA-15219).
> The LSM-VIA Remote was sometimes crashing when pushing a clip to another XT Server quickly after its creation (LSMVIA-14836).
> LSM-VIA was sometimes crashing when the Operator was going back to LIVE very quickly after accessing the Other Angle functionality in Playlist Edit Mode (LSMVIA-14898).
> LSM-VIA was sometimes crashing when the Operator was going back to LIVE very quickly after retrimming a Playlist item (new Short-IN or Short-OUT) in Playlist Edit Mode (LSMVIA-15067).
> In the context of the LSM-VIA MultiReview application, and when we observed errors within the Navcast Strems ingested by LSM-VIA, it was generating heavy log files on the LSM-VIA Workstation, leading to issues with the Extract Logs functionality (LSMVIA-14929).
> In the context of the LSM-VIA MultiReview application, and when LSM-VIA was ingesting empty content for the Streams of the Recorders (gray images or color bars), it was no longer possible to browse back within Recorders in MultiReview Mode at some point (LSMVIA-15124).
> When appending Clips to the active Playlist from the LSM-VIA Viewer application, the focus was lost within the application and it was no longer possible to type content in the Name field (LSMVIA-14453).

IN 1.7.31

> LSM-VIA was sometimes crashing when the Operator was deleting Playlist items from his Playlist, while trying to load them at the same time (LSMVIA-14413).
> When moving Clips quickly within the Pages & Banks structure from the LSM-VIA Viewer application, some Clip angles were sometimes no longer displayed in the Clip Grid afterwards (LSMVIA-14427).
> When 2 LSM-VIA Operators were working on the same local XT Server, the second Operator (monitoring the second range of inputs) was unable to recall a Mark point on the correct Cam using the Last Mark function (LSMVIA-14340).

IN 1.7.30

> Some Operator were experiencing some responsiveness issues on the local Server when jogging heavily on the controlled Players for extensive periods of time. This issue was more likely to occur on large setups under heavy load. In some degraded cases, the whole application would stop working properly (LSMVIA-10674).

> LSM-VIA was sometimes going back to LIVE unexpectedly during Playlist Edit or Playlist Playout. This behavior was linked to temporary Idle Player States within Multicam, communicated to LSM-VIA by the local EVS Server. To manage these states properly, we have introduced a Remote Mode dedicated to Idle Player channels, where the Remote buttons and the Remote Screen are stripped down of all unavailable functions. As a consequence, the Player channel will no longer go back to LIVE unexpectedly. The Operator will have the possibility to wait for a Player Status update communicated by the Server in order to fall back in the proper control mode, or to go back to LIVE manually. We intend to improve the current mechanism in later releases to filter out some of these Idle Player notifications and improve the user-experience accordingly (LSMVIA-13541).
> The LSM-VIA application was sometimes crashing due to unmanaged errors when some EVS Servers were being disconnected/reconnected from/to the XNet-VIA network (LSMVIA-14165).

IN 1.7.27

> LSM-VIA was crashing when loading Playlists containing Record Trains as Playlist items, which can only be achieved from IPDirector (LSMVIA-13768).

IN 1.7.26

> LSM-VIA was sometimes becoming unresponsive when the Operator was quickly navigating through the Server Pages & Banks from the LSM-VIA Viewer application (LSMVIA-13746).
> Going back to LIVE when VarMax, PGMSpeed or Second Lever Range was enabled was deactivating the function and was resetting the Lever range to default (LSMVIA-13622).
> The Search functionality of the LSM-VIA Viewer application was generating excessive logging, leading to saturated hard-drives and to heavy log archives (LSMVIA-13672).

IN 1.7.25

> When both the LSM-VIA and LSM-VIA MultiReview licenses were about to expire at the same time, the Operator could sometimes experience a crash of the LSM-VIA Viewer application at startup when validating the license information pop-up (LSMVIA-13554).

IN 1.7.17

> When the LSM-VIA 1.7.14 ISO was deployed from scratch, the logging of the LSM-VIA applications wasn't functional straight away. As workaround, it was required to re-install the LSM-VIA 1.7.14 application (AppImage package) after the deployment of the ISO (LSMVIA-12577).
> LSM-VIA was still installed on all XClient-VIA Hardwares when the "forceInstall" option was set to False in the centralized installer tool (LSMVIA-12730).

IN 1.7.14

> The LSM-VIA Viewer application was sometimes crashing at startup (LSMVIA-11601).
> The LSM-VIA application was sometimes crashing when retrimming a Clip, going back to LIVE & reloading the updated Clip in quick sequences (LSMVIA-12341).
> The LSM-VIA application was sometimes crashing when a Server from the XNet was quickly reconnecting / disconnecting from the network (LSMVIA-10916).
> The connection to the local EVS Server was sometimes interrupted when a Clip was renamed from the TSL protocol and when the new name would contain special characters (LSMVIA-10914).
> Setting Mark Points on pointed fields was not possible from the LSM-VIA Remote. Furthermore, in progressive formats specifically, the LSM-VIA Operator was not able to set IN and/or OUT points on pointed fields (LSMVIA-10066).
> When creating Clips quickly, they were sometimes shown as growing for extensive periods of time (spinning wheel on the Viewer & blinking F-Key on the Remote) (LSMVIA-12127).
> In some conditions, the Clip content displayed in the LSM-VIA Viewer Clip Grid was no longer consistent with the actual database of the EVS Server (LSMVIA-11624).
> When cutting & pasting Clips from the LSM-VIA Viewer, some Clip angles were sometimes not showing anymore on the Viewer Clip Grid (LSMVIA-11564 & LSMVIA-12256).

> When deleting Clip angles from the LSM-VIA Viewer, and when the Clip was later loaded on the local Server, the A-B-C-D-E OLEDs of the LSM-VIA Remote would sometimes not display the correct existing angles and the corresponding buttons would sometimes misbehave if the Operator would try to change the loaded angle (LSMVIA-10787).
> When swapping a Clip from the PRV to the PGM channel, and if the Playout was paused on the PGM channel, the defined Clip Post-Roll was never played out on the PGM after the Swap (LSMVIA-11096).
> The LSM-VIA application was sometimes crashing when editing & deleting Playlist items simultaneously (LSMVIA-11933).
> The LSM-VIA application was sometimes crashing when the Operator was adding a CUT within a Playlist item (LSMVIA-12379).
> It was sometimes not possible to go back to LIVE Mode on the LSM-VIA Remote when pressing E/E after a Playlist playout, while the EVS Server was effectively going to LIVE on the controlled channels (LSMVIA-10917).
> When working with Playlists, LSM-VIA was sometimes going back to LIVE while it was not requested by the Operator (LSMVIA-12116).
> In Audio Split scenarios, when the Operator was editing the transition effect duration (both Audio & Video at the same time), the transition point between the 2 Clips was incorrect. The OUT point of the second Clip was impacted as well, impacting the next transition as a consequence (LSMVIA-9605).
> Clips inserted in the active Playlist from the LSM-VIA Viewer application were sometimes inserted with a CUT transition, instead of the default transition defined in LSM-VIA (LSMVIA-11444).
> SLSM Clips inserted in the active Playlist from the LSM-VIA Viewer application were inserted with an Unkown speed, instead of following the "Insert SLSM at Native Speed" parameter defined in LSM-VIA (LSMVIA-10899).
> When playing out a Playlist containing a single Playlist item, the Loop parameter was not taken into account (LSMVIA-7909).
> When flattening a Playlist from LSM-VIA with CUT transitions between Playlist items, a false frame was sometimes inserted at the transition point in the resulting Clip (LSMVIA-12376).
> The VIA-Xsquare password was visible in plain text from the LSM-VIA configuration source page (LSMVIA-11871).
> A "Hashicorp Consul" component was deployed together with the LSM-VIA ISO. This component has been removed from the LSM-VIA packages because of the associated security issue (LSMVIA-11524).
> **Some security vulnerabilities have been detected in the TeamViewer versions previously deployed on XClient-VIA units. In order to fix those vulnerabilities, the latest version of TeamViewer is now integrated into the LSM-VIA 1.7 ISO. To benefit from this fix, you can either deploy the full LSM-VIA 1.7 ISO or you can contact your local EVS Support in order to upgrade TeamViewer manually (LSMVIA-12394).**

KNOWN ISSUES & LIMITATIONS

ISSUES

> From the LSM-VIA Viewer application, when moving a single Clip angle to an empty slot within another Clip, and when quickly moving the whole resulting Clip afterwards, it can sometimes happen that the single Clip angle isn't moved properly with the rest of the updated Clip. This issue can lead to a desynchronization between LSM-VIA and the EVS Server database, which can prevent such Clips to be recalled properly by LSM ID afterwards (LSMVIA-14573, LSMVIA-14763 & LSMVIA-15206).

> When LSM-VIA is connected to an XS-VIA Server, if the Operator loads an SLSM Clip from an XT-VIA Server on the Production Network or an SLSM Clip created by XtraMotion, he won't be able to trigger the Playout at native Speed through the LSM-VIA Remote Play button or Lever, neither from the ALT+P keyboard shortcut in the LSM-VIA Viewer application (LSMVIA-14895).

> When the speed of a SLSM Clip is set to unknown within a Playlist, the remaining duration of the Playlist might not be correct anymore (LSMVIA-11666).

> When editing the Speed of a Playlist item in a Playlist containing Audio Split, it will sometimes fail and revert to the previous Speed value (LSMVIA-10376).

> When using Edit All on Playlist items Speed or Effect Duration from the LSM-VIA Remote panel, the update of the actual values is not smooth in all Playlist interfaces (LSMVIA-9217).

> When the Operator is splitting a Playlist item into 2 subclips using the "Add CUT" functionality, and if he tries to define an Audio fade out between the 2 by muting the second subclip, the EVS Server will play a CUT transition for the Audio, and won't playout the fade out properly (LSMVIA-14371).

> In NTSC drop-frame, the Playlist remaining time displayed on the LSM-VIA Remote is not always correct (LSMVIA-15260).

> When trying to play out a Playlist in Loop, it won't work properly if the Playlist contains a single Playlist item with a CUT transition or if the Play command is triggered when the Playlist is loaded in Playout Mode. Furthermore, the remaining duration displayed in such scenario isn't correct (LSMVIA-12924 & LSMVIA-12332).

> When a Clip is being played in Loop, and if the Operator presses "Play" again during the second Loop, the Clip Loop will play out the guardbands of the Clip (LSMVIA-11622).

> If the Operator redefines the Short-IN of a loaded Clip angle and quickly reloads the Clip afterwards, LSM-VIA will sometimes land on the previous Short-IN instead of landing on the updated one (LSMVIA-13868).

> When using the Search-TC functionality in "Clip+REC" mode, the "Browse" function will get automatically disabled when going from a Clip to a Record Train (and inversely) while going through the results. The Operator needs to re-enable the "Browse" function manually in such scenario (LSMVIA-14886).

> When the Operator restripes the TimeCode of a Clip from the LSM-VIA Viewer application, and if the Operator accesses the "Restripe-TC" pop-up a second time right after, LSM-VIA will display the former TimeCode instead of the updated one (LSMVIA-14376).

> The E/E key from the LSM-VIA Remote will always restart the recording process of the local EVS Server, even if the Multicam "Record Key" parameter is set to keep them stopped.

> If the Operator sets a Mark Point on a Record Train in PRV CTRL mode, and if he then tries to recall the last Mark Point while controlling both PGM & PRV channels, the PGM will stay on its current Recorder, instead of recalling the one on which the Mark Point was defined (LSMVIA-15089).

> When enabling the MultiReview Mode while a Playlist is loaded on the controlled Players, the PRV OSD of the EVS Server MultiViewer are impacted and do not show the Playlist information properly anymore (LSMVIA-15148).

> In MultiReview Mode, if the Operator defines an OUT point before the IN point, it doesn't clear the IN point properly anymore, which can leads to issue when creating content from the selected Recorders. In such scenario, as temporary workaround, IN points should be redefined manually by the Operator (LSMVIA-15224).

> When changing the "VIA-SEARCH Deployment Mode" settings from the LSM-VIA configuration, and then restarting the LSM-VIA application from the configuration, sometimes the VIA-SEARCH services are not properly launched making the VIA-SEARCH application not available. The workaorund is to stop LSM-VIA application and restart it manually from the desktop and not from the LSM-VIA configuration popup LSMVIA-15306.

> If the VIA-Xsquare IP address field is empty in the LSM-VIA configuration, it will prevent the Operator from saving any modification made in the configuration. A workaround would be to enter "0.0.0.0" manually in this field if VIA-Xsquare is not used for the Production (LSMVIA-15232).

LIMITATIONS

> LSM-VIA doesn't support a Player channel locking mechanism in multi-operator configurations. Users must be very careful in such configurations to avoid having multiple Operators controlling the same Player channels. This limitation can lead to unexpected behavior of the product (e.g. when Operators are loading and playing different Playlists on the same channels) (LSMVIA-5743).

> Manipulating Clips or Playlists from the Multicam VGA screen while the LSM-VIA applications are running is not supported. It could lead to database desynchronizations between the EVS Server and LSM-VIA, where the LSM-VIA Viewer wouldn't display the Server content properly anymore.

> The LSM-VIA MultiReview advanced mode is not yet supported on Virtual Machines installed on a PMZ or similar Hardware.

> When mapping Recorders to Workspaces in MultiReview mode, it's adivsed to do so while in LIVE. Otherwise, LSM-VIA will try to access streams that were not yet ingested in the local storage, leading to errors in the application (LSMVA-15251).

> In case of heavy operation load, the Operator might experience some slowness on Clip creation workflows (Clips appear slowly on the Viewer, F-Keys are highlighted slowly) (LSMVIA -2538).

> The LSM-VIA Remote panel might take longer to start or reconnect when the active playlist contains large number of elements or if the XT Server contains a large number of Clips (LSMVIA -1871 & LSMVIA -1766).

> The Operator might experience some slowness issues on the Remote when using the "Edit All" command repeatedly on big Playlists (LSMVIA-6169).

> When there is not enough hard drive space left on the XClient-VIA or when the XClient-VIA unit runs without interruptions for extensive periods of time (several weeks/months), the Operator can sometimes experience some freezes at the Operating System level. The workaround would be to restart the XClient-VIA unit on a regular basis (e.g. once a week) and to clean its hard drive regularly. Additional logs have been included in LSM-VIA 1.7 to further investigate the issue (LSMVIA-10308 & LSMVIA-12286).

> "Switch to IN" is always enabled by default. However, the current implementation only works with Clips. "Switch to IN" is not managed properly when a Record Train with pending IN / OUT points is loaded on the controlled channels.

> LSM-VIA allows the Operator to sync his Players with a distant Record Train loaded, but it will pause the Playout.

> The only supported effect transition for "Take" is Mix, other TAKE transitions are not yet supported.

> The ability to copy or move a multi-selection of Clips from the Viewer is not yet supported.

> Clips being moved on a given XT-VIA Server will be removed from the LSM-VIA Shotbox.

> The Operator won't receive feedback on the LSM-VIA Remote F-Keys or in the LSM-VIA Viewer while Clips are being moved. LSM-VIA provides a notification when the Move operation is completed.

> Editing Metadata from the Viewer is not yet available.

> The "User TC" and "From/To date" options of "Go to TC" and "Search TC" are not yet supported.

> When the Operator jumps to a given TimeCode using the "Go to TC" function and quickly changes the loaded CAM afterwards, the controlled Players will sometimes go back to LIVE instead of staying on the user-defined TimeCode (LSMVIA-10284).

> When launching the LSM-VIA application with VIA-SEARCH deployment settings set to "Local", the VIA-Search Services will be launched at the same time as the application. As these services can take around 30-40 seconds to be up and running, if the operator accesses the Search interface just after launching LSM-VIA, the operator won't be able to properly use the interface for a few seconds and some "*Oups something went wrong*" notifications could be displayed during this period.

> The lowest possible auto-refresh value for the Search Panel interface in the LSM-VIA Viewer is 5 seconds. Therefore, it might take up to 5 seconds to visualize updates made on Clips in the Search results (Move, Delete, Edit Keywords...).

> Deleting Clips from the VIA-Search UI of the LSM-VIA Viewer application is not supported and will systematically trigger error messages.

> The Creation date information is sometimes missing in the VIA-Search UI of the LSM-VIA Viewer depending on the way the clip has been originated. The information is properly available for Clips created from LSM-VIA. However, it won't be available if the Clip has been pushed through Gbe for instance (LSMVIA-9609).

> In Audio Split, the Operator will receive error notifications when trying to define transition durations that do not make sense for the Audio/Video tracks (transitions longer than the Playlist items before/after for instance) (LSMVIA-5354).
> The reset mechanism implemented to overcome unplayable Playlist transitions with Audio Split won't show a warning notification to the Operator in case of actual reset.
> It is not supported to flatten Playlists which contain items with Speed above 300%.
> Playlist Audio Swap function impacts the whole Playlist element, from its IN to its OUT points. Keyframing for Audio Swap is not yet supported. The "Add Cut" function can be used as a workaround.
> Playlist Undo/Redo is not yet available.
> When a Playlist is being played out in Loop and if the Operator tries to disable Loop in the last Playlist item, the playout will continue and the Playlist will be played out one more time (LSMVIA-9528).
> When a Playlist is played in Loop, the "Next" command will not work on the last Playlist item.
> When Loop and Post-Roll are enabled at the same time while playing out a Clip or a Playlist, the Post-Roll duration will be ignored (LSMVIA-7583).
> Copying a local Playlist to another Server on the Network is not yet supported.
> Displaying several Playlists side-by-side on the Remote panel screen is not yet supported.
> Some Operators might not be able to load Playlists in Always Mode (while Conditional Mode will always work), depending on the Server Players assigned to the Operator from the LSM-VIA configuration. Loading a Playlist in Always Mode is only possible on PGM1&2, PGM3&4 or PGM5&6. Other combinations of Server Players are not supported (LSMVIA-5049).
> The Playlist duration displayed in LSM-VIA is not always accurate when Mix-on-1-channel is set to OFF on the XT-VIA Server (LSM-VIA-5589).
> LSM-VIA is not compatible with the ABRoll feature from IPDirector.
> LSM-VIA does not support IPDirector Playlists containing Record Trains as Playlist items. LSM-VIA will allow such Playlist as active sequence, but editing such Playlist item will not work.
> Timeline features are not yet supported.
> LSM-VIA won't display notifications linked to Export / Flatten jobs when the XClient-VIA and the VIA-Xsquare units are sitting on different PC LAN networks.
> When opening the LSM-VIA configuration page with Firefox browser, if Firefox version is 60.x or older, some drop down menus could not work or misbehave (LSMVIA-9490).
> A configuration interface is not yet available from the Remote panel.
> The Import / Export functionality introduced in the LSM-VIA configuration is not backward / forward compatible between 2 major releases of LSM-VIA, more specifically regarding the back-up and restore of user-defined LSM-VIA Remote Shortcuts, Shotbox content & Trains filters.
> From the LSM-VIA configuration Import / Export functionality, if the Operator tries to import a local Keyword File to overwrite an existing one which was created manually (same name and same path on the LSM-VIA Workstation), the LSM-VIA configuration tool will fail to import the Keyword File, as it doesn't have the right to overwrite a file created by the "evs" user. In such event, a specific error message is prompted within the LSM-VIA configuration (LSMVIA-14932).
> Hypermotion is not supported with the LSM-VIA Remote panel. This option shouldn't be activated on the Server side together with LSM-VIA.
> The only supported resolution to display the LSM-VIA Viewer is 1920x1080.
> The ability to have several Remote panels per Operator is not yet supported. Each Operator must have his/her own XClient-VIA.

COMPATIBILITY

SOFTWARE

> Compatible with **Multicam 20.7** only (and later patches)
> Compatible with XT-VIA in Multicam LSM mode
> Compatible with XS-VIA in XSense mode
> Compatible with XT-GO in Sportlight mode
> Compatible with VIA-Xsquare 4.9 and later versions
> Compatible with Cerebrum 2.3
> 2 LSM-VIA ISO images are available with the latest LSM-VIA 1.8 release, one embedding CentOS 7.9.2009 and one embedding Rocky Linux 9.4-1.7. Upgrading the Operating System of the LSM-VIA Workstation shall always be done from the LSM-VIA iso, in order to install the right dependencies for the LSM-VIA software.

HARDWARE

> LSM-VIA can be installed on the XClient-VIA Hardware
> LSM-VIA can be deployed as Virtual Machine on a PMZ or similar Hardware
>> o Since the LSM-VIA 1.7 package has been designed to enable the MultiReview feature, it includes a rework of the Workstation hard-drive partitions. As a consequence, installing LSM-VIA 1.7 on a virtual machine created with the LSM-VIA 1.4 OVA won't work (the previous hard-drive requirements are no longer valid). The deployment of LSM-VIA 1.7 in a virtualized environment therefore requires the deployment of a new LSM-VIA 1.7 OVA.
>> o Furthermore, the LSM-VIA MultiReview advanced mode is not yet supported on Virtual Machines.

DEPLOYMENT

> The LSM-VIA Remote and the XClient-VIA HW must always be at the same location and should not be deployed in a distributed architecture.
>> o The round-trip time (RTT) between the 2 HW should be 20ms max.
>> o Even if the LSM-VIA Workstation is virtualized, the latency between the LSM-VIA Remote and the Virtual Machine should not exceed 20ms.
> The LSM-VIA MultiReview advanced mode requires specific deployment and configuration. Indeed, in this mode, the XClient-VIA receives the proxy streams multicasted from the EVS Servers and that need to be routed to the Control Network (PC LAN) through the switch. Please check the *LSM-VIA 1.7 Intallation and Configuration Manual* and the *EVS Network Design Guide* for more detailed information.
> **When working in remote conditions (LSM-VIA and XT Server in different locations), the maximum recommended round-trip time (RTT) is 100ms between the XClient-VIA and the XT Server. The usability of the Product and the overall user experience will be degraded with higher latencies.**

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