



MÄK Logger Release 3.5.1 Release Notes

This document provides release-specific information for *MÄK Logger* Release 3.5.1 and 3.5.1-ngc:

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Because DMSO RTI 1.3 NG is not link compatible with the previous generation of DMSO RTI releases, we have released a separate version of the Logger for each version of the DMSO RTI: one that works with RTI NG, and one that works with the previous generation of RTIs. The default directory for the version that supports RTI NG is *logger3.5.1-ngc*. The default directory for the version that supports the previous generation of RTIs is *logger3.5.1*.

Systems Supported

Logger 3.5.1 is being released initially for the following platforms:

- ♦ PC with Windows NT, Windows 95/98.

You must have VR-Link 3.5 and its required compiler versions to use the Logger library, but you do not need it to run the executables. See VR-Link documentation for information about required compiler versions.

RAM and Memory Requirements

To install and run the Logger on a PC, we recommend the following minimum configuration:

- ♦ Pentium class PC 133 MHz or above
- ♦ 45MB disk space
- ♦ 64 MB RAM.

Network Compatibility

HLA only

The Logger 3.5.1 is built against VR-Link 3.5. This change makes the Logger compliant with:

- ♦ RPR-FOM 0.5, 0.7, 0.8, and 1.0
- ♦ MÄK RTI 1.3.2 and 1.3.2-ngc
- ♦ DMSO RTI 1.3v4, 1.3v5, 1.3v6, 1.3NG.

If you run the HLA Logger 3.5.1 with version 0.5 of the RPR FOM, it is network compatible with applications that are using VR-Link 3.3. It is not network compatible with applications that use VR-Link 3.2 or earlier and it is not compatible with applications using VR-Link 3.3 if the Logger is using RPR FOM 0.7, 0.8, or 1.0.

DIS only

This release continues to support DIS 2.0.4, IEEE 1278.1, 2.1.4, and IEEE 1278.1a, and can therefore interoperate with DIS applications of any of these versions. However, we have not included support for DIS 2.0.3 - an obsolete 7-year-old draft version of the DIS standard. If you want to use DIS 2.0.3, please let us know at support@mak.com, and we will try to provide you with a solution.

New License File Required for Some Upgrades

If you are upgrading from a previous version of the Logger and you obtained your current license file prior to January 31, 1999, you must update your license file. Please send email to keys@mak.com to request the new license file. Include the original invoice number (as listed in the current license file) in the email.

If, when you try to run Logger 3.5.1, you receive the following error message, it means that you must update your license file, as explained in the previous paragraph:

```
"license server does not support this feature"  
The feature has expired (on the server), or has not yet started, or the  
version is greater than the highest supported version.
```

RTI Support

The NG-compatible version of Logger 3.5.1 comes with a version of MÄK RTI 1.3.2 that is link-compatible with DMSO RTI1.3 NG (makRti1.3.2-ngc). The Logger 3.5.1-ngc release has also been tested with DMSO RTI 1.3 NG.

The non-NG-compatible version of Logger 3.5.1 comes with a version of MÄK RTI 1.3.2 that is link-compatible with DMSO RTI 1.3 v4, v5, v6, and v7 (makRti1.3.2). This release has been tested with those DMSO RTI 1.3 releases.

Due to slight network incompatibilities between MÄK RTI 1.3.1 and MÄK RTI 1.3.2 (including a switch to WinSock2 on the Windows platform), you need to move to MÄK RTI version 1.3.2 when you move to Logger 3.5.1.

When using the MÄK RTI, remember to make sure that the Logger can find your FED file, and optional *rid.mtl*, file by either putting them in the directory from which you are running, or by setting the environment variable RTI_CONFIG to the directory that contains them.

FOM Support

Logger Release 3.5.1 has built-in support for versions 0.5, 0.7, 0.8, and 1.0 of the RPR FOM. It also supports VR-Link's ability to support alternative FOMs through the FOM Mapper. The default version of the RPR FOM supported by Logger Release 3.5.1 is version 1.0.

For information about FOM mapping and selecting the correct FOM mapper, see *Configuring the Logger for HLA* in Chapter 2, "Installing and Configuring the Logger", in *MÄK Logger User's Guide*.

New Features and Other Changes

Logger 3.5.1 has the following new features and changes:

- ♦ Ability to annotate Logger files
- ♦ A new plug-in API allows developers to add functionality to the Logger
- ♦ Improved handling of HLA data
- ♦ Ability to specify the HLA classes that you want to subscribe to when the Logger is recording.
- ♦ Updated *MÄK Logger User's Guide*
- ♦ Updated and expanded online help system
- ♦ Supports recording of MÄK VR-Forces batch scenario output.

Except as noted below, the new features are describe in *MÄK Logger User's Guide*.

Better HLA Performance

In the HLA, entity update messages are sent only when an entity's state changes. They do not provide a complete picture of an entity's state. If an entity's state does not change, no information about that entity may ever be sent after the initial publication of entity information. This behavior can cause a problem for applications that enter a federation execution after it starts. Unless they specifically request updates of all entity information, the new federate may have incomplete information about federation participants.

This release of the Logger improves the methods by which it updates entity attribute information so that the problem described above is minimized.