



MÄK Logger 3.6 Release Notes

This document provides the following release-specific information for MÄK Logger 3.6 and 3.6-ngc:

Systems Supported	2
Network Compatibility	2
RTI Support	3
FOM Support	4
New Features and Other Changes	4
Documentation Updates	4
Fixed Bugs	5
Known Problems	5

i

Because DMSO RTI 1.3 NG is not link compatible with the previous generation of DMSO RTI releases, we have (for PCs only) released two versions of the Logger – one that works with RTI NG, and one that works with RTI 1.3vx. The default directory for the version that supports RTI NG is *logger3.6-ngc*. The default directory for the other version is *logger3.6*.

Systems Supported

Logger 3.6 is being released initially for the following platforms:

- ♦ PC with Windows 95/98/2000/NT 4.0
- ♦ Red Hat Linux 6.0
- ♦ SGI IRIX 6.5 n32
- ♦ Sun Solaris version 2.6 or later.

You must have VR-Link 3.6 and its required compiler versions to use the Loggerfile library or the Logger plug-in API, 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.

Online Help Browser Requirements

The online help system included with this release of the Logger is an HTML-based system. To view online help, you must have a web browser installed that supports Javascript and Java. Java and Javascript must be enabled.

Network Compatibility

HLA only

Logger 3.6 is built against VR-Link 3.6. This change makes the Logger compatible with:

- ♦ RPR-FOM 0.5, 0.7, 0.8, and 1.0
- ♦ MÄK Real-time RTI 1.3.3 and 1.3.3-ngc
- ♦ DMSO RTI 1.3v4 or later, RTI NG v1, v2, v3.0, v3.2.

Logger 3.6 is compatible with applications that use earlier versions of VR-Link if they support versions of the RPR FOM listed above.

DIS only

Logger 3.6 supports 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.

RTI Support

The DMSO RTI NG-compatible version of Logger 3.6 comes with a version of the MÄK Real-time RTI 1.3.3 that is link-compatible with DMSO RTI NG (makRti1.3.3-ngc). Logger 3.6-ngc has been tested with DMSO RTI NG v1, v2, v3.0, and v3.2.

The non-NG-compatible version of Logger 3.6 comes with a version of the MÄK Real-time RTI 1.3.3 that is link-compatible with DMSO RTI 1.3 v4 or later (makRti1.3.3). This release has been tested with those DMSO RTI 1.3 releases.

Logger 3.6 may work with older versions of the MÄK Real-time RTI, but we recommend using it with release 1.3.3.

When using the MÄK Real-time 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.



If you want to use the Logger with DMSO RTI NG v3.2, you must let your application choose object names, rather than the RTI. If you let the RTI choose object names, you will not be able to play back the Logger recordings.

RTI Library Names

Logger 3.6-ngc expects library names that match those of DMSO RTI NG v3.2. If you run Logger 3.6-ngc with DMSO RTI NG v3.2, both the UNIX and PC versions work without any modification. If you want to run Logger 3.6-ngc with DMSO RTI NG v1 or v2, you must make the following changes:

- ♦ For UNIX, you must use the libraries *libRTI-NGv2.so* or *libRTI-NGv1.so*, which are supplied by MÄK in the *./lib* directory. These libraries correspond to DMSO RTI NG v1 and v2. To use Logger 3.6-ngc with RTI NG v1 or v2, copy the appropriate library to the DMSO RTI NG *lib* directory and rename it *libRTI-NG.so*. (You might want to rename the v3.x *libRTI-NG.so* library first.)
- ♦ For PCs, rename the libraries that come with RTI NG v1 or v2 to the names used by the RTI NG v3.2 libraries (*libRTI-NG.lib* and *libfedtime.lib*).

FOM Support

Logger 3.6 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. By default, Logger 3.6 uses RPR FOM 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 3.6 has the following new features and changes:

- TLogger responds to logger control PDUs.
- Ability to automatically respond to HLA synchronization points.
- Ability to start the TLogger without specifying a Logger file.
- Includes all the new features of Logger 3.5.1, which had a limited distribution. These features include a plug-in API and annotation of Logger files. See the *Logger 3.5.1 Release Notes* for a list of the new features.
- The Plug-ins menu (PC only) is an undocumented feature that provides access to plug-ins from the graphical user interface. If you are interested in using this feature, contact MÄK support.

Starting the TLogger

The behavior of the TLogger has changed slightly. You can start the TLogger without specifying a filename. However, there is still no way to open a file once the TLogger is started, so this feature is only helpful when you want to run the logger with control PDUs.

Synchronization Points

The HLA version of the Logger will automatically respond when a synchronization point is announced to it by the RTI. The Logger will immediately indicate that it has achieved the synchronization point, so that it will not hold up the federation execution.

Documentation Updates

- On page 7-20 of *MÄK Logger User's Guide*, the function `openFileForRecord()` should be called `openFileForRecording()`.
- The URL listed on page 2-8, step 3 of the license key procedure, is incorrect. The correct URL is www.mak.com/licenses.htm.

Fixed Bugs

The following problems that were present in previous releases have been fixed:

- ♦ Running with the -L2 option works.
- ♦ In releases prior to release 3.5, the Skip Time dialog box accepted time only in seconds. This dialog box now accepts the time in hours:minutes:seconds format.

Known Problems

Logger 3.6 has the following known problems:

- ♦ If you try to replay a recording when all entities cannot be registered with the RTI, the Logger crashes.
- ♦ When the Logger reaches the end of a recording, it displays a time of zero, instead of the length of the recording.
- ♦ In DIS, when you play a recording immediately after you have recorded it, the Logger display the following error message:

Tried to subtract InterestInPduKind to be lower than the number of
callbacks for PDU kind #0.

You can ignore this message.

- ♦ On some systems, when you activate the on-line help, if you already have a web browser open, the online help does not open up. If this occurs, close your open browser, then activate online help again. It should open up the default browser and display the help file.

