

# ASTi Supported HLA RTIs

## Before Getting Started

ASTi is involved with an ever growing number of HLA based communications simulation for a variety of programs throughout the US and internationally.

***Important:*** From experience, each HLA program has its own set of unique issues and problems dependent on the equipment, software and simulation deployed. Therefore, ASTi cannot guarantee there is zero risk of any issues arising with the currently supported set of RTIs. Note that no set of tests are able to verify all aspects of operation. RTI operation, RID file settings, network operation and conditions, simulation software, and use of HLA in a network environment form a set of complex variables which must be tested together in their target environment under operational conditions.

The user should choose the proper RTI based on the Telestra series, the requirements (and GCC compatibilities) of their operating system(s), or other HLA-related software.

## Telestra 4.x Series Supported HLA RTIs

ASTi's Telestra 4 HLA software supports the RTIs listed below. ASTi's Telestra 4 platform was tested with and supports several versions of the MÄK & VTC RTIs. The current HLA functionality is based on HLA 1.3 testing. Contact ASTi for IEEE 1516 support availability.

The user should choose the proper RTI based on the requirements (and GCC 3.4 compatibilities) of their operating system(s) or other HLA-related software. If there is an RTI that does not appear on this list but there is interest in it, contact ASTi to discuss the possibility of expanding the HLA software.

- VTC NG Pro 4.2.4 RHEL 4.0, gcc 3.4.3 compiler
- VTC NG Pro 4.0.4 RHEL 4.0 OS, gcc 3.4.3 compiler
- VTC NG Pro 3.0.4 RHEL 4.0 OS, gcc 3.4.3 compiler
- VTC NG Pro 2.04 Linux FC3, gcc 3.4.2 compiler
- MÄK 3.4/3.4.1 Enterprise 4, gcc 3.4.x<sup>1</sup>
- MÄK 3.3/3.3.1/3.3.2 Enterprise 4, gcc 3.4.x<sup>1</sup>
- MÄK 3.2 Enterprise 4, gcc 3.4.3
- MÄK 3.1 Enterprise 4, gcc 3.4.2
- MÄK 3.0/3.0.1 Enterprise 4, gcc 3.4.4
- MÄK 2.4.2 Enterprise 4, gcc 3.4.3
- MÄK 2.4 Enterprise 4, gcc 3.4.3

<sup>1</sup> ASTi has not performed any in-house testing related to this specific RTI version. However this version is customer fielded and tested therefore ASTi believes the inherent risk is relatively low. Additionally the RTI version is a minor increment in software revisions (i.e. 3.x to 3.x + 1) from one that was tested in-house.

## Telestra 3.x Series Supported HLA RTIs

Telestra Software Version	Supported HLA RTIs
3.31-1	DMSO 1.3NGv6 Red Hat 8.0 OS, gcc 3.2.2 complier VTC NG Pro 2.0.2 Red Hat 9.0 OS, gcc 3.2.2 complier VTC NG Pro 2.0.4 Red Hat 9.0 OS, gcc 3.2.2 complier VTC NG Pro 3.0.4 Red Hat 9.0 OS, gcc 3.2.2 complier VTC NG Pro 4.0.4* Red Hat 9.0 OS, gcc 3.2.2 compiler

\* Support for MC02 DDM, see the Telestra 3.0 User Guide for details (DOC-01-TELS-UG-3). Not IEEE 1516 capable.

### Other Supported Telestra 3.x series HLA RTIs

**Important:** The below RTIs were tested and certified under the Telestra 2.x series. Support for the Telestra 2.x series RTIs is available because the initial Telestra 3.x series HLA baseline code is based on the 2.x series. However, the 2.x series have not been tested specifically on the 3.x series therefore there is some risk associated with these RTIs. It should be noted, that no set of tests are able to verify all aspects of operation. RTI operation, RID file settings, network operation and conditions, simulation software, and use of HLA in a network environment form a set of complex variables which must be tested together in their target environment under operational conditions.

- DMSO 1.3NGv6<sup>†#</sup>
- MÄK 1.3.7<sup>†</sup>
- MÄK 2.0<sup>†</sup>
- MÄK 2.0.1<sup>†</sup>
- MÄK 2.02<sup>#</sup>
- MÄK 2.03<sup>#</sup>
- VTC NG-Pro 2.0.2<sup>†#</sup>
- MÄK 2.4 RH version 9.0, GCC 3.2.2 (**note 1**)
- MÄK 2.4.2 RH version 9.0, GCC 3.2.2 (**note 1**)

All RTIs listed above must be compatible with the Linux Red Hat 6.x operating system

<sup>†</sup> These RTIs are available in versions compatible with the GCC 3.0.x compiler. More information is available on an individual basis from RTI vendors.

<sup>#</sup> These RTIs are available in versions compatible with the GCC 3.2.x compiler. More information is available on an individual basis from RTI vendors.

**Note:** All RTIs must be compatible with Linux Red Hat 8.0 or 9.0 and GCC 3.2.2 compiler.

**Note 1:** Customer fielded and tested. ASTi has not performed any testing related to this RTI.

## Telestra 2.x Series Supported HLA RTIs

Telestra Version	Supported HLA RTIs	DACS Model Builder
2.4-5	DMSO 1.3NGv6 <sup>†#</sup> MÄK 1.3.7 <sup>†</sup> MÄK 2.0 <sup>†</sup> MÄK 2.0.1 <sup>†</sup> MÄK 2.02 <sup>#</sup> MÄK 2.03 <sup>#</sup> VTC NG-Pro 2.0.2 <sup>†#</sup>	4.09 or higher
2.4-4	DMSO 1.3NGv6 <sup>†#</sup> MÄK 1.3.7 <sup>†</sup> MÄK 2.0 <sup>†</sup> MÄK 2.0.1 <sup>†</sup> MÄK 2.02 <sup>#</sup> MÄK 2.03 <sup>#</sup> VTC NG-Pro 2.0.2 <sup>†#</sup>	4.09 or higher
2.4-3	DMSO 1.3NGv6 <sup>†#</sup> MÄK 1.3.7 <sup>†</sup> MÄK 2.0 <sup>†</sup> MÄK 2.0.1 <sup>†</sup> MÄK 2.02 <sup>#</sup> MÄK 2.03 <sup>#</sup>	4.09 or higher
2.4	DMSO 1.3NGv6 <sup>†#</sup> MÄK 1.3.7 <sup>†</sup> MÄK 2.0 <sup>†</sup> MÄK 2.0.1 <sup>†</sup> MÄK 2.02 <sup>#</sup> MÄK 2.03 <sup>#</sup>	4.09 or higher
2.3 <sup>†</sup>	DMSO 1.3NGv6 <sup>†#</sup> MÄK 1.3.7 <sup>†</sup> MÄK 2.0 <sup>†</sup> MÄK 2.0.1 <sup>†</sup>	4.09 or higher
2.2 <sup>†</sup>	DMSO 1.3NGv6 <sup>†#</sup> MÄK 1.3.7 <sup>†</sup> MÄK 2.0 <sup>†</sup> MÄK 2.0.1 <sup>†</sup>	4.09 or higher
2.1 <sup>†</sup>	DMSO 1.3NGv6 <sup>†#</sup> MÄK 1.3.7 <sup>†</sup> MÄK 2.0 <sup>†</sup> MÄK 2.0.1 <sup>†</sup>	4.09 or higher

Telestra Version	Supported HLA RTIs	DACS Model Builder
2.0 <sup>†</sup>	DMSO 1.3NGv5	4.09 or higher
HLA 1.6**	DMSO 1.3NGv4 MÄK 1.3.6a	4.06d or higher
HLA 1.4**	DMSO 1.3NGv3.X	4.06d or higher
HLA 1.2**	DMSO 1.3NGv3.X	4.04e or higher
HLA 1.1**	DMSO 1.3NGv2	4.04e or higher

## Telestra 2.x series HLA Compatibility Table Notes

ASTi's HLA software is compatible with applications and libraries created with either GCC version 3.0 or GCC 3.2 compiler, and supports a number of different RTIs, as listed in the table above. The user should choose the proper RTI based on the requirements (and GCC compatibilities) of their operating system(s) or other HLA-related software.

\*\* All RTIs must be compatible with the Linux Red Hat 6.x operating system

<sup>†</sup> These RTIs are available in versions compatible with the GCC 3.0.x compiler. More information is available on an individual basis from RTI vendors.

# These RTIs are available in versions compatible with the GCC 3.2.x compiler. More information is available on an individual basis from RTI vendors.

## Telestra 1.x Series Supported HLA RTIs

Telestra Version	RTI*	DACS Model Builder
Telestra HLA v1.6	DMSO 1.3NGv4 DMSO 1.3NGv3.X MAK 1.3.5a	4.06d or higher
Telestra HLA v1.4	DMSO 1.3NGv3.X	4.06d or higher
Telestra HLA v1.2	DMSO 1.3NGv3.X	4.04e or higher
Telestra HLA v1.1	DMSO 1.3NGv2	4.04e or higher

\* All RTIs must be compatible with the Linux Red Hat 6.X operating system.