

	EUMETSAT TMPropagator	Doc. No.: HA.EPS.ORSF.RN.046 Issue: 1.0 Date: 24th June, 2026
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TMPropagator **Release 3.7**

Release Note

24th June, 2026

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Document Signature Table

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1 SCOPE

The document is the release note accompanying release 3.7 of the TMPropagator. This release which fixes a number of JIRA issues. The issues requested to be fixed in this delivery were specified in TMPROP-617.

2 ISSUES FIXED BY THIS RELEASE

The following JIRA issues are considered fixed by this release;

TMPROP-565	Implement PUS-C on TMPropagator
TMPROP-620	Updates for impact of new NORAD ID
TMPROP-630	Add database validation check to prevent use of databases containing duplicate parameters
TMPROP-632	Improvement of error message when Client-to-Server connection fails
TMPROP-634	[MuMi/AR/7705] TMPropagator does not support new NORAD ID Alpha-5 format
TMPROP-636	New Satmon AND pages are not scrollable

3 ISSUES STILL OPEN AFTER THIS RELEASE

All the open issues concern the mimics page editor. Unfortunately, there was insufficient time and resources to fix them all before the deadline for delivery.

TMPROP-484	[EPS/AR/20357] TM Propagator: New Mimic editor causes problem with current mimic
TMPROP-551	[MimicsPageEditor] Some custom templates not viewable on the custom template panel
TMPROP-552	[TMPropagator] Some attributes are not properly supported
TMPROP-553	[TMPropagator] Images pasted on a synoptic are not displayed
TMPROP-554	[MimicsPageEditor] Re-saving complex Mimics with the new editor breaks them
TMPROP-555	[MimicsPageEditor] Hyperlinks broken after re-saving Mimics
TMPROP-556	[MimicsPageEditor] Improvement of the User Manual

4 IMPROVEMENTS AND NEW FEATURES UNRELATED TO NON-CONFORMANCES

None

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5 INSTALLATION INSTRUCTIONS

Please see the document *Configuration Manual for Gateway, Server and Dev Machine* for full installation instructions

The logging level specified in the logging.config.xml file in the config directory of both Gateway and Server is no longer used. The log level is now set via the GUI and the setting is stored in the normal gateway and server config files. Nonetheless, the logging.config.xml files are still required for other logging settings.

This release has been compiled for the .Net Framework 4.8, and may require this to be installed on the target machines. However, most recent versions of Windows already have this pre-installed.

6 COMPATIBILITY TO PREVIOUS VERSIONS

Due to changes in the packet serialisation for the client server interface, neither the client nor the server are compatible with previous versions, so the client included in this release must be deployed together with the new server.

Similarly, the Gateway to Server interface has changed for the same reason, so the new Gateway version must also be installed.

7 SYSTEM REQUIREMENTS

7.1.1 Operating System

The TMPropagator Gateway and Server require Windows Server 2019 or higher as the operating system.

For the clients, Windows 10 or higher is required.

7.1.2 .NET Framework 4.8

All machines where any module of the TMPropagator software is installed requires the .NET Framework 4.8 (or higher) as a prerequisite.

Download and install the latest Microsoft .NET Framework version (4.8 at time of writing) for the machines operating system from the Microsoft web site. It is not necessary, or desirable, to uninstall the previous .Net versions first. This step might not be necessary if .NET 4.8 or higher is already installed. This can be verified by following the procedure given here;

<https://docs.microsoft.com/en-us/dotnet/framework/migration-guide/how-to-determine-which-versions-are-installed>

7.1.3 Hardware

A minimum of 8 GB memory is recommended for the Gateway and Server machines. This should be increased if many projects are to share the same hardware.

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The disk usage depends almost entirely on the telemetry data rate and the desired length of archive. It is suggested to compare the anticipated data rates and archive duration of new projects to older projects when estimating disk space requirements.

The new stream types have also been found to generate considerable quantities of data which increases the size of the archive.

For the clients, any modern PC hardware should be sufficient. A minimum 4 GB memory is recommended.

8 TEST PROCEDURE FOR IMPLEMENTED CHANGES

This is a scaled down test procedure for testing the new features and fixes implemented for this release. These will be added to the internal Heavens-Above Test Procedure.

8.1 TMPROP-565

With a gateway, server and client running, plus all the data sources for each stream type, select the MSG1 entity on the client.

Expand the “New Displays” node and open the TC History, Fixed Packets, and Onboard Events pages.

Verify that the new columns are visible and showing data.

8.2 TMPROP-620 and TMPROP-632

With the same setup as the previous step, open the page called “Orbit display with large satellite ID”. This is configured to request a satellite with an ID of 123456 which is large than 5 digits and can only be represented with the new Alpha5 format. The display should load and show a satellite in orbit.

8.3 TMPROP-630

On the server GUI, stop the MSG1 entity, and the edit the configuration to select the database called “Has_duplicate_parameters.xml”.

Try to enable the entity. The entity should not start, and an appropriate message should be found in the server log file.

8.4 TMPROP-632

Examine the source code file “Client/OrsfDataSource.cs”. This can be found in the “Source_Repository” directory.

Check that the error message text at lines 795 and 805 is in line with the requested wording.

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8.5 TMPROP-636

On the client, select the MSG1 entity and then press <Control-O> to open a local file. Open the file “Server\Inetpub\wwwroot\DisplayPages\M02\Test\MEI005A0_SatmonAND.xml”.

Verify that the font size can be selected and the page resizes accordingly, with all lines visible (it may be necessary to scroll the main window as not all lines can be seen at once with a standard size monitor).