



**EUMETSAT**  
**TMPropagator**

**Doc. No.: HA.EPS.ORSF.RN.027**

**Issue: 1.0**

**Date: 12<sup>th</sup> May, 2021**

**TMPropagator**

**Release 3.2.1**


**Release Note**

**12th May, 2021**

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## Document Signature Table

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## 1 SCOPE

The document is the release note accompanying release 3.2.1 of the TMPropagator. This release is a minor update which fixes a number of issues.


## 2 ISSUES FIXED BY THIS RELEASE

The following JIRA issues are considered fixed by this release;

TMPROP-184	TM Propagator v3 misses data on the onboard events and tc history displays
TMPROP-219	TMProp v3.2.0 Verification: Onboard Event/Fixed TM Packet Source Simulator crashing
TMPROP-221	TMProp v3.2.0 Verification: "Set password for user" window displays error message for a valid password
TMPROP-222	TMProp v3.2.0 Verification: server throws error after saving role access exceptions
TMPROP-223	TMProp v3.2.0 Verification: On-Board Event History "Warnings only" filter does not display events
TMPROP-224	TMProp v3.2.0 Verification: Raw value empty (AND Pages old EPS format)
TMPROP-226	TMProp v3.2.0 Verification: TC History page does not recognise MaxCommands
TMPROP-227	Packets missing on the TM Propagator Client Fixed TM Packet Display
TMPROP-228	TM Propagator user role edition does not show buttons in Windows 2019

## 3 NON-CONFORMANCES STILL OPEN AFTER THIS RELEASE


TMPROP-53	MSG1 BAD TM on TM Propagator
TMPROP-126	TM Propagator takes a long time to start
TMPROP-136	Support for MTG datastreams
TMPROP-163	Design traceability
TMPROP-177	TMProp time toggling between desired time and D339-23:24
TMPROP-185	TM Propagator disconnecting continuously
TMPROP-189	TM Propagator v3 0 alert

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TMPROP-190	TM Propagator v3 log viewer not starting up
TMPROP-195	Increased flexibility on TC History verification reporting
TMPROP-212	TM Propagator v3 unordered stream list
TMPROP-216	TMProp v3: gateway performance decrease
TMPROP-229	TMProp v3: cumbersome user management
TMPROP-230	Cannot get instant plot for parameters outside of default AND displayed rows

#### 4 IMPROVEMENTS AND NEW FEATURES UNRELATED TO NON-CONFORMANCES

- The telemetry test data source now allows large packets to be configured and sent when a button is clicked. This is useful for testing the robustness of the system to large TM packets sent by the MCS (see TMPROP-184)
- The Server GUI now includes a tree node to show the current connections from Gateway and other Server instances (for reception of TMProp monitoring updates). The display includes the largest received message size and other statistics.

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## 5 INSTALLATION INSTRUCTIONS

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

## 6 COMPATIBILITY TO PREVIOUS VERSIONS

The Gateway to Server interface has not been modified in this release, so the new Server should work with an older version of the Gateway, and vice-versa. However, it is recommended to upgrade both Gateway and Server to the latest version, because issues have been fixed in both modules.

The Client/Server interface has not changed, so older clients should work with the new server, but as a number of fixes have been applied to the client, it is recommended to upgrade.

## 7 SYSTEM REQUIREMENTS

### 7.1.1 Operating System

The TMPropagator Gateway and Server require Windows Server 2008 R2 or higher as the operating system.

For the clients, Windows 7 or higher is required.

### 7.1.2 .NET Framework 4.6

All machines where any module of the TMPropagator software is installed requires the .NET Framework 4.6 (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 4.6 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.

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.

 <p>The logo for 'HEAVENS ABOVE' features a blue arc with four stars above it. The text 'HEAVENS' is in blue and 'ABOVE' is in grey, both in a sans-serif font.</p>	<p><b>EUMETSAT</b></p> <p><b>TMPropagator</b></p>	<p><b>Doc. No.: HA.EPS.ORSF.RN.027</b></p> <p><b>Issue: 1.0</b></p> <p><b>Date: 12<sup>th</sup> May, 2021</b></p>
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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.