



EUMETSAT
TMPropagator

Doc. No.: HA.EPS.ORSF.RN.040

Issue: 1.0


Date: 24th March, 2023

TMPropagator

Release 3.4.1

Release Note

24th March, 2023

	<p>EUMETSAT</p> <p>TMPropagator</p>	<p>Doc. No.: HA.EPS.ORSF.RN.040</p> <p>Issue: 1.0</p> <p>Date: 24th March, 2023</p>
---	---	---

Document Signature Table

	Name	Signature	Date
Prepared by	C. Peat	<i>C. Peat</i>	24 th March, 2023
Approved by	C. Peat	<i>C. Peat</i>	24 th March, 2023



	<p>EUMETSAT</p> <p>TMPropagator</p>	<p>Doc. No.: HA.EPS.ORSF.RN.040</p> <p>Issue: 1.0</p> <p>Date: 24th March, 2023</p>
---	---	---

Table of Contents

1	Scope	4
2	Issues fixed by this release.....	4
3	ISSUES Still open after this release	4
4	IMprovements and new features unrelated to non-conformances	5
4.1	New Features Implemented as a Result of CN12.....	5
4.2	Other New Features	5
5	Installation Instructions	6
6	Compatibility to Previous Versions	6
7	System Requirements	6
7.1.1	<i>Operating System</i>	6
7.1.2	<i>.NET Framework 4.6</i>	7
7.1.3	<i>Hardware</i>	7

	EUMETSAT TMPropagator	Doc. No.: HA.EPS.ORSF.RN.040 Issue: 1.0 Date: 24 th March, 2023
---	--	---

1 SCOPE

The document is the release note accompanying release 3.4.1 of the TMPropagator. This is a patch release which fixes just two high priority JIRA issues.


2 ISSUES FIXED BY THIS RELEASE

The following JIRA issues are considered fixed by this release;

- | | |
|------------|---|
| TMPROP-441 | [MTG/AR/6737] VC0 and VC1 TM cannot be received at the same time in MTG TM propagator |
| TMPROP-437 | [MTG/AR/6680] [TM Prop] In Playback mode no automatic update of Variable Packet display |
| TMPROP-447 | TM Propagator 3.4.1 - NCR Fixes |

3 ISSUES STILL OPEN AFTER THIS RELEASE

- | | |
|------------|--|
| TMPROP-248 | TCH display: cannot sort or navigate by execution time |
| TMPROP-289 | Mission Selection on start up |
| TMPROP-335 | TM Propagator server v 3.3.0.2 died on MTG OPE |
| TMPROP-359 | [MuMi/AR/5355] TMProp: EPS incorrect missing parameters |
| TMPROP-381 | [MuMi/AR/5463] Display Editor filter by 'short description' is missing |
| TMPROP-388 | [MTG/AR/5805] TMProp MTG: server gets no data |
| TMPROP-404 | [JasonCS/AR/2544] TMProp: S6 high memory usage on MMEOPETMTS52 |
| TMPROP-432 | [MTG/AR/6624] [TMProp] Both servers crashed at the same time on MTG OPE |
| TMPROP-445 | TC History verification field |
| TMPROP-448 | [MTG/AR/6829] [TMProp] Frequent loss of stream activity on MTG VAL |
| TMPROP-449 | [EPS/AR/20226] GS2/3 Data not being received at TMProp GWs 10.100.42.53 (former) & 10.100.42.125 (new) |

	<p style="text-align: center;">EUMETSAT</p> <p style="text-align: center;">TMPPropagator</p>	<p>Doc. No.: HA.EPS.ORSF.RN.040</p> <p>Issue: 1.0</p> <p>Date: 24th March, 2023</p>
---	--	---


4 IMPROVEMENTS AND NEW FEATURES UNRELATED TO NON-CONFORMANCES

4.1 New Features Implemented as a Result of CN12

None

4.2 Other New Features

None

	EUMETSAT TMPropagator	Doc. No.: HA.EPS.ORSF.RN.040 Issue: 1.0 Date: 24 th March, 2023
---	--	---

5 INSTALLATION INSTRUCTIONS

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

The fix for TMPROP-441 has required the introduction of a new configuration parameter for each entity. This is called “Stream concurrency delta-t” and can be set using the Server GUI. The stream should be disabled, and then the startup settings can be configured. Enter a number in seconds. The default value is 20 seconds.

The purpose of this parameter is to determine whether real-time updates of a non-selected stream are sent to the client. Up to now, only real-time updates of the currently selected stream have been sent to the client, but this version compares the time difference of a received sample to the current time of the selected stream. If this time difference is within the configured delta-t, then the updates are forwarded to the client. This has become necessary because some projects now have multiple streams with the same sample times, but different parameter subsets.

If the setting is set to zero seconds, then the behaviour of the previous version is restored – only real-time samples from the current stream are sent to the client.

The value should not be set too high, or updates from non-concurrent streams might be sent to the client which could cause toggling of displayed values.

6 COMPATIBILITY TO PREVIOUS VERSIONS


Compatible to server and gateway release 3.4.

No breaking changes to client/server interface.

7 SYSTEM REQUIREMENTS

7.1.1 Operating System

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

	<p>EUMETSAT</p> <p>TMPropagator</p>	<p>Doc. No.: HA.EPS.ORSF.RN.040</p> <p>Issue: 1.0</p> <p>Date: 24th March, 2023</p>
---	---	---

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.

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.