



EUMETSAT
TMPropagator

Doc. No.: HA.EPS.ORSF.RN.025

Issue: 1.0


Date: 28th August, 2020

TMPropagator

Release 3.1

Release Note

28th August, 2020

	EUMETSAT TMPPropagator	Doc. No.: HA.EPS.ORSF.RN.025 Issue: 1.0 Date: 28 th August, 2020
-----------------------------------------------------------------------------------	---------------------------------------------	--------------------------------------------------------------------------------------------------------

Document Signature Table

	Name	Signature	Date
Prepared by	C. Peat	<i>C. Peat</i>	28 th August, 2020
Approved by	C. Peat	<i>C. Peat</i>	28 th August, 2020



	<p>EUMETSAT</p> <p>TMPropagator</p>	<p>Doc. No.: HA.EPS.ORSF.RN.025</p> <p>Issue: 1.0</p> <p>Date: 28th August, 2020</p>
-----------------------------------------------------------------------------------	---------------------------------------------------	----------------------------------------------------------------------------------------------------------------------

Table of Contents

1	Scope	4
2	Issues fixed by this release.....	4
3	Non-Conformances Still open after this release	5
4	IMprovements and new features unrelated to non-conformances	6
4.1	New Features Implemented as a Result of CN09.....	6
4.2	Other New Features	6
5	Installation Instructions	7
6	Compatibility to Previous Versions	7
7	System Requirements	7
	7.1.1 <i>Operating System</i>	7
	7.1.2 <i>.NET Framework 4.6</i>	7
	7.1.3 <i>Hardware</i>	7

	EUMETSAT TMPPropagator	Doc. No.: HA.EPS.ORSF.RN.025 Issue: 1.0 Date: 28 th August, 2020
-----------------------------------------------------------------------------------	---------------------------------------------	--------------------------------------------------------------------------------------------------------


1 SCOPE

The document is the release note accompanying release 3.1 of the TMPPropagator. This release is a major update to implement the changes requested to support the MTG project, as part of Contract Change Notice No. 10 "TMPPropagator adaptations for MTG".

2 ISSUES FIXED BY THIS RELEASE

The following JIRA issues are considered fixed by this release;


TMPROP-46	New Displays for MTG
TMPROP-62	Check status of connecting older client to 3.0.0 server
TMPROP-85	TM Propagator fails to create views for MIB_tables_3.19.E02 in JasonCS
TMPROP-87	Incompatible parameter database on MMEVALTMTS12
TMPROP-95	TMProp v3.0.0 Validation Test Campaign - Mimic pages issues
TMPROP-97	TMProp v3.0.0 Validation Test Campaign - TMExtract Page issue
TMPROP-98	TMProp v3.0.0 Validation Test Campaign - MSG Page Converter issues
TMPROP-99	TMProp v3.0.0 Validation Test Campaign - EDL Page Converter issues
TMPROP-100	TMProp v3.0.0 Validation Test Campaign - EPS GRD Converter issues
TMPROP-101	TMProp v3.0.0 Validation Test Campaign - Wrong OS version in the logs
TMPROP-102	TMProp v3.0.0 Validation Test Campaign - TMProp monitoring pages not displaying some values
TMPROP-103	TMProp v3.0.0 Validation Test Campaign - Find Page for Parameter displaying an empty list
TMPROP-104	TMProp v3.0.0 Validation Test Campaign - "Take snapshot" functionality not working on some pages
TMPROP-105	TMProp v3.0.0 Validation Test Campaign - Context menu does not show EU/Raw options
TMPROP-106	TMProp v3.0.0 Validation Test Campaign - Alignment of output field
TMPROP-107	TMProp v3.0.0 Validation Test Campaign - S3A AND numeric output fields with the format as "Default"
TMPROP-108	TMProp v3.0.0 Validation Test Campaign - TMPPropagator Gateway issues

	EUMETSAT TMPropagator	Doc. No.: HA.EPS.ORSF.RN.025 Issue: 1.0 Date: 28 th August, 2020
-----------------------------------------------------------------------------------	--------------------------------------------	--------------------------------------------------------------------------------------------------------

- TMPROP-109 Satmon Internal Test Procedures has no ID
- TMPROP-115 TM Propagator fails to create views for SCOS DB WD-MI1-1_0_8_0_15112019_22112019
- TMPROP-117 Add shortcut selection form to installer
- TMPROP-119 Notification to upgrade client
- TMPROP-120 TMPROP 3.1.0 - Packet Displays + Warranty
- TMPROP-122 No new CIG
- TMPROP-124 HA.EPS.ORSF.IMSD document version clash
- TMPROP-132 TM Propagator VAL server failed with exception Object reference not set
- TMPROP-134 On-Board Event ID
- TMPROP-139 Mimics Page Editor - Instrument templates
- TMPROP-146 VPD filter not working + Unable to dump sent xml messages
- TMPROP-147 Only one message passing through
- TMPROP-151 TM Packet History always 1 packet behind
- TMPROP-155 TC history: Object reference not set to an instance of an object.
- TMPROP-157 TC History playback/refresh issues
- TMPROP-160 Missing Detailed Design Specification update for 3.1.0 changes
- TMPROP-161 No release note for 3.1.0

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

	<p>EUMETSAT</p> <p>TMPropagator</p>	<p>Doc. No.: HA.EPS.ORSF.RN.025</p> <p>Issue: 1.0</p> <p>Date: 28th August, 2020</p>
-----------------------------------------------------------------------------------	---------------------------------------------------	----------------------------------------------------------------------------------------------------------------------


4 IMPROVEMENTS AND NEW FEATURES UNRELATED TO NON-CONFORMANCES

4.1 New Features Implemented as a Result of CN10

- The existing TC/Events Source Simulator has been updated to also supply fixed and variable TM packets in accordance with the new XML messaging interface used to receive packets from the MCS.
- The existing Test Data Source which supplies TM updates for testing purposes has been updated to optionally support connections initiated by the MCS with the Gateway listening for connections.
- Two new stream handler types have been added to the Gateway to support Fixed TM Packet and Variable TM Packet data streams respectively.
- The client/server interface has been expanded to allow the client to request and receive the Fixed/Variable packets.
- Two new display types have been added to the client to display Fixed and Variable Packets.

4.2 Other New Features

None.

	<p>EUMETSAT</p> <p>TMPropagator</p>	<p>Doc. No.: HA.EPS.ORSF.RN.025</p> <p>Issue: 1.0</p> <p>Date: 28th August, 2020</p>
-----------------------------------------------------------------------------------	---------------------------------------------------	----------------------------------------------------------------------------------------------------------------------

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 been modified in this release, so the new Server will not work with an older version of the Gateway, and vice-versa.

The Client/Server interface has also changed, so older client versions will not work with the new Server, and vice-versa.

The archive file format on the server has changed. Archive files written with a previous version can still be read with the latest server version, but not vice versa.

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.

	<p>EUMETSAT</p> <p>TMPropagator</p>	<p>Doc. No.: HA.EPS.ORSF.RN.025</p> <p>Issue: 1.0</p> <p>Date: 28th August, 2020</p>
-----------------------------------------------------------------------------------	---------------------------------------------------	----------------------------------------------------------------------------------------------------------------------

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.

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