



**EUMETSAT**  
**TMPropagator**

**Doc. No.: HA.EPS.ORSF.RN.029**

**Issue: 1.0**


**Date: 6<sup>th</sup> July, 2021**

**TMPropagator**

**Release 3.3.0.1**


**Release Note**

**6<sup>th</sup> July, 2021**

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## Document Signature Table

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## 1 SCOPE

The document is the release note accompanying release 3.3.0.1 of the TMPropagator. This release is a patch to ensure compatibility with the MCS interface as defined prior to release 3.3. This was a requirement on release 3.3 which was overlooked..


## 2 ISSUES FIXED BY THIS RELEASE

The following JIRA issues are considered fixed by this release;

TMPROP-230	Cannot get instant plot for parameters outside of default AND displayed rows
TMPROP-238	TM Propagator v3 registration counter no reset
TMPROP-254	TC History display not showing first command released
TMPROP-256	3.3.0 not backwards compatible
TMPROP-257	Patch delivery 3.3.0.1

## 3 ISSUES 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-154	Object reference not set to an instance of an object error when adding parameters to a Time Plot in TM Propagator
TMPROP-163	Design traceability
TMPROP-185	TM Propagator disconnecting continuously
TMPROP-190	TM Propagator v3 log viewer not starting up
TMPROP-209	TM Prop AND display on LMC- parameter update is not consistent
TMPROP-212	TM Propagator v3 unordered stream list
TMPROP-216	TMProp v3: gateway performance decrease
TMPROP-229	TMProp v3: cumbersome user management

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TMPROP-233	TM Propagator v3 gateway got stalled
TMPROP-235	TM Propagator TMProp entity not showing stopped streams
TMPROP-238	TM Propagator v3 registration counter no reset
TMPROP-243	TM Prop Onboard Event and TC history display delete old entries
TMPROP-247	Severe memory leak in TMProp client V3.2.1
TMPROP-248	TCH display: cannot sort or navigate by execution time
TMPROP-251	OBEV display does not show latest events in live mode
TMPROP-255	Deleted OPS commands not flagged as "Deleted" in TC History display
TMPROP-258	Not possible to see all commands in TC History display in playback mode
TMPROP-261	TMProp G/W shows connection to MCS is established though MCS is not connected


#### **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

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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 MCS interface for TC History is now backwards compatible to previous versions of the MCS. This is the main reason for the issue of this patch release. The latest version of the ICD specifies the “overallStatus” field as mandatory, but this field is treated as optional by the Gateway. If a packet is received without this field, it is calculated on the basis of the algorithm used in pre-3.3 release, using the “verifyDetails” field as input.

The Gateway to Server interface has not been modified in this release compared to 3.3.

The Client/Server interface has not been modified compared to 3.3.

## 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.

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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.