
hp OpenView TeMIP



TeMIP Client Release Notes

**Edition: v5.1
Maintenance Release
(V510-L03)**

for Unix and Microsoft Windows Operating Systems

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Preface

Please read this document before installing or using the TeMIP Software.

These Release Notes describe critical information related to the TeMIP Client V5.1-L03 for Windows

Software Versions

The term UNIX is used as a generic reference to the operating system, unless otherwise specified.

The software versions referred to in this document are as follows:

TeMIP	UNIX	Windows	TeMIP Client
5.0	Sun Solaris 2.8 and 2.9	2000/XP/Server 2003	5.1 (V510-L03C)

Typographical Conventions

Courier Font:

- Source code and examples of file contents.
- Commands that you enter on the screen.
- Pathnames
- Keyboard key names

Italic Text:

- Filenames, programs and parameters.
- The names of other documents referenced in this manual.

Bold Text:

- To introduce new terms and to emphasize important words.

Associated Documents

The following document contains useful reference information:

- *OpenView TeMIP Installation and Configuration Guide*

For a full list of TeMIP user documentation, refer to Appendix A of the *OpenView TeMIP Product Family Introduction*.

- *Patch TFRSOL-00019 Readme file*
- *Patch TEMIPTFRSOL-00001 Readme fil*

Support

Please visit our HP OpenView web site at: [HP OpenView](#)

There you will find contact information as well as details about OpenView products, services and support.

The OpenView support area of the OpenView web site includes:

- Downloadable documentation
- Troubleshooting information
- Patches and updates
- Problem reporting
- Training information
- Support program information

Chapter 1 Introduction

1.1 Product Goals

TeMIP Client V5.1 L03 for Windows is the next maintenance release of TeMIP Client based on TeMIP Client V5.1 L02 and TeMIP Client V5.1 L02M (Kanji support).

1.2 TeMIP Framework Compatibility

TeMIP Client must be used with:

- **TeMIP V5.0 on Sun Solaris Level 4 Patch 4**
- **Or TeMIP V5.0 on HP-UX Level 4 Patch 4**
- **Or TeMIP V5.0 on Tru64 Level 1 Patch 4**

With the following server patches on SUN Solaris:

- **TFRSOL-00019**
- **TEMIPTFRSOL-00001**
- **TEMIPTFRSOL_00002**

Or with the following server patches on Tru64:

- **TEMIPTFRTRU64_00001**

Or with the following server patches on Tru64:

- **TFRFIX50321**

1.3 Third-Party Product Compatibility

This TeMIP Client has been built using the following Third-party products:

- RogueWave Edition 6
- RogueWave Objective Stingray 2003
 - This product has been rebuilt integrating support of “MS Shell Dlg” font in resource DLL to fully display Kanji in dialog boxes.

- Iona Orbix E2A ASP 6.1
- SL-GMS C61d
 - This new version v6.1d integrate fixes needed to display Kanji correctly in Models and Maps.
- Xerces 1.7
- Flexlm 9.2

TeMIP Client on the server side has been validated with:

- Oracle 9i version 9.0.1.3

Chapter 2 Prerequisites

2.1 Hardware and Software Requirements

The items of hardware and software that should already be installed before you install the TeMIP Client for Windows Component Package are listed in Table 1 and Table 2.

2.1.1 Hardware Requirements for Windows

Table 1 TeMIP Client for Windows Hardware Requirements

Item	Description
Processor	Pentium 750 MHz is recommended.
Internal RAM	512 MB minimum
Hard Disk Drive	<p>The TeMIP Client for Windows software requires</p> <p>TeMIP Desktop (+mandatory kits): 110 Mb</p> <p>TeMIP Alarm Handling: 12 Mb</p> <p>TeMIP Map Viewer: 55 Mb</p> <p>TeMIP Map Editor: 65 Mb</p> <p>TeMIP Client complete: 230 Mb</p> <p>TeMIP Resync FM: 5 Mb</p> <p>TeMIP Alarm Forwarding: 5 Mb</p> <p>TeMIP Resource Server: 15 Mo</p>

	TeMIP GAT Pass-Through: 5Mb TeMIP Outage Viewer: 5 Mb
CD-ROM Drive	Any speed.

2.1.2 Software Requirements for Windows

Table 2 TeMIP Client for Windows Software Requirements

Item	Description
Microsoft Windows 2000 Or Microsoft Windows XP Or Microsoft Windows Server 2003	SP4 or later SP1

Note

IONA Orbix ASP V6.1 for Windows Run Time is shipped as part of the TeMIP Client for Windows product.

The Rogue Wave SourcePro 9.2.0 Development environment (including files, libraries and documentation) is included in the TeMIP Access Library (TAL) Toolkit.

2.1.3 Hardware Requirements for Unix

The TeMIP Client for Windows is compatible with TeMIP Framework running on Unix Operating System.

For more details, see TeMIP Framework Release Notes.

The needed disk space for the TFRSOL_00019 and TEMIPTFRSOL_00001 patches is 10 Mb.

2.1.4 Software Requirements for Unix

2.1.4.1 TeMIP Framework

The TeMIP Client for Windows is compatible with TeMIP Framework running on Unix Operating System. For more details, see TeMIP Framework Release Notes.

The tables below describe the TeMIP software prerequisites to run the patches

Table 3 TeMIP Software Prerequisites on Sun Solaris Unix

Subset	Description
TFRBASEV50S04P004	release V50S level 04 patch 004 rev E or higher

The following server patches are required:

Table 4 TeMIP Epatches Prerequisites on Sun Solaris Unix

Subset	Description
TFRSOL-00019	Support filtering on specific problems release V50S level 04 patch 004
TEMIPTFRSOL-00001	TFRPATCH50246V50SL04P004:Error in MUserDefined::Copy when setting a DC based on Specific Problems

It is recommended that you refer to the *OpenView TeMIP Installation Guide* and *OpenView TeMIP Customization Guide* to install and configure TeMIP.

Note

You have to check that the TAL Server, the ACS and the HDS are correctly configured and running on UNIX before using the TeMIP Client.

2.1.4.2 TeMIP Universal Notifier

The TeMIP Client for Windows Alarm Forwarding Plug In is compatible with TeMIP Universal Notifier running on Unix Operating System.

For more details, see TeMIP Universal Notifier Release Notes.

It is recommended that you refer to the *OpenView TeMIP Universal Installation and Configuration Guide* to install and configure TeMIP Universal Notifier.

Note

You have to check that the TeMIP Universal Notifier is correctly configured and running on UNIX before using the TeMIP Client Alarm Forwarding Plug In.

2.1.4.3 TeMIP Resynchronization FM

The TeMIP Client for Windows Resync FM Plug In is compatible with TeMIP Resynchronization FM running on Unix Operating System.

For more details, see TeMIP Resynchronization FM Release Notes.

It is recommended that you refer to the *OpenView TeMIP Resynchronization FM Installation Guide* to install and configure TeMIP Resynchronization FM.

Note

You have to check that the TeMIP Resynchronization FM is correctly configured and running on UNIX before using the TeMIP Client Resync FM Plug In.

2.1.5 Using TeMIP Client with Citrix MetaFrame

The TeMIP Client supports the following version if you want to use the TeMIP Client with remote display.

Windows Server	Version
Windows Server 2000 and 2003	Citrix MetaFrame XP V1.0 with Feature Release 3
Remote Clients	Version
Tru64 5.1 B	Citrix ICA Client 3.00.42
Sun Solaris 2.8	Citrix ICA Client 6.00.920
Hp-ux 11.11	Citrix ICA Client 6.00.920

Chapter 3

Installing TeMIP Client V5.1 for Windows

3.1 Installation

IMPORTANT

You need to uninstall all epatches (Epatches, Consolidation ePatches) on your TeMIP Client and uninstall the TeMIP Client V5.0 for Windows.

If you had installed the TeMIP V5.1 Early Major Release, it is mandatory to reboot after uninstallation of this EMR kit, before proceeding with the Major Release installation.

To install the TeMIP Client V5.1 for Windows (V510L03)

- a. Stop all running TeMIP Clients
- b. Uninstall all previously installed TeMIP Client patches.
 1. Open the Control Panel, open Add/Remove Programs and select TeMIP Client patches.
 2. Click on Remove for each of them.
- c. Uninstall installed TeMIP Client.
 1. Open the Control Panel, open Add/Remove Programs and select TeMIP Client.
 2. Click on Remove.
- d. Start the **install.exe** application.

Note : After installation, you will see TeMIP Client in the Control Panel - Add\Remove Programs window and you can also see your version using the About box dialog when TeMIP Client is running.

1. open the About dialog box
2. click to the button Version...
 - The version is V510-L03C

3.2 Configuring the system to display Asian or other multi-byte characters

This chapter describes the Windows® configuration to apply in order to display characters of multi-byte codepages (Japanese, Chinese, Korean, Thai...) in the Map Viewer, Map Editor and Symbol Editor applications.

This configuration is mandatory, even if other parts of the application can display or input correctly such characters.

Please read the Microsoft FAQ about Languages and Locales at the following internet address:

<http://www.microsoft.com/globaldev/DrIntl/faqs/Locales.msp>

3.2.1 Map Viewer and Map Editor

The following parameters must be applied before launching the TeMIP Client or TeMIP Map Editor:

1. Launch the regional options dialog that is available in the Windows Control Panel.
2. Choose the default codepage with the one of the language you wish to use.
 - Under Windows 2000, this parameter is called the default language for the system.
 - Under Windows XP, this parameter is available in the advanced options tab, in the “Language for non-unicode programs” part.

If the language you wish to use is not available, you probably need to install the corresponding codepage.

Please report to your Microsoft Windows installation and configuration guide. The computer needs to be rebooted when this parameter is changed.

The current locale must be also set to the language you wish to use, and that should be the same as the default codepage.

When these two parameters are set (codepage and current locale), you can launch the TeMIP Client or Map Editor and characters of the language you set can be displayed and/or entered.

Summary:

1. Check the needed codepage (if not already checked)
2. Click “Set Default” and set the default codepage to the language you wish to use
3. Set the locale to the language you wish to use
4. Launch TeMIP Client or TeMIP Map Editor

3.2.2 Symbol Editor

First step is to apply the same configuration as the Map Viewer and Map Editor described in the precedent chapter (codepage) and adds also the input method for the language you need as the default one.

The input methods can be found in the regional options.

- On Windows 2000, the “input locale” tab handles the input methods configuration
- On Windows XP, the inputs methods can be configured in the “Language” option of the Control Panel, in the “Details of Text Services and Input Language” dialog part.

When the three parameters are set to the language you wish to use (codepage, locale and default input method), the symbol editor can be launched and the language characters can be displayed and entered.

Summary:

1. Click Add to add and configure an input method for you desired language
2. Select the input method and click Set as Default to set it as the default input locale
3. Launch the Symbol Editor

3.3 Configuration Files Update

This version will provide new options in the system configuration files.

Important

This installation will not update or modify your system configuration files. It is strongly recommended that your administrator check and update your system configuration files.

**The new configuration files are saved in
%TEMP_CLIENT_HOME%\Configuration Files**

This location is a backup of original version,

**the configuration files used are in the installation directory:
%TEMP_CLIENT_HOME%**

➔Check you update the correct configuration files if you do not see your changes.

Chapter 4

TeMIP Framework – Kanji support

4.1 Overview

In order to display or enter Kanji when being in the Sun Environment (i.e. from the sun command line), the CDE must be started with the according locale, that allows to load the codepage, fonts and input method that support kanji.

Please report to the Sun Solaris Internationalization (I18N) and Localization (L10N) guide.

Note that the Microsoft Windows encoding for Japanese is SHIFT_JIS.

To display Kanji entered on Windows on a Sun WKS, the WKS must run in the SAME locale (ja_JP.PCK which is SHIFT_JIS). Otherwise, there must be a transcoder between the TeMIP Client and the Server to transform the windows codepage in the workstation codepage. The transcoder is a specific kit to install on top of the TAL kit on the client side (ex: SJIS to Deckanji)

The TeMIP Framework processes does not need to run in Japanese locale to display kanji in FCLPM for example. The display is assumed by the Unix Operating System, if correctly setup.

4.2 Installation and Configuration

The support of a Locale such as Kanji on a Solaris Server requires the installation of some extra Solaris packages.

Please report to the Sun Solaris installation guide concerning localizations for Sun Solaris and installation of extra packages.

Links must be created for a TeMIP Server to run in a locale different from C or en_US.ISO8859-1. You also need to manually create links for the used locale to the installed locale in directories:

`/usr/opt/temip`

`/usr/opt/temip/conf`

`/var/opt/temip/conf`

`/usr/opt/tns`

Example:

```
ln -s /usr/opt/temip/en_US.ISO-8859-1 /usr/opt/temip/ja_JP.PCK
```

4.3 Known problems

PR#	Component	Problem Synopsis	Workaround
50547	HDS	<p>I18N - HDS: Find entity has problem with kanji regular expression.</p> <p>The find entity of the TeMIP Client is impacted, when searching a pattern with a regular expression. If a multibyte character containing a forbidden character (such as \) is part of the pattern, the HDS replies with a error, whereas it should not.</p>	Use the "Exact Match"

4.4 Known Issues

4.4.1 Kanji Synonym (Shift-JIS encoding and other multi-bytes codeset)

TeMIP Use a specific character (backquote - code ascii 0x60) to indicate a synonym name (ex: `mysyno`).

Unfortunately, this specific character can conflict with kanji characters in case of the second byte is a backquote ascii code. It is a problem when the encoding used is Shift-JIS and the majority of multi-bytes codeset. because the second byte can have an ascii code starting from 0x40 and some characters can conflict with the synonym separator.

For example, you will have such error in case of rejected creation command:

```
2005/01/27 17:03:41 Call [Alias] failed: Database access cannot be completed Error
```

```
Status = %MCC-E-INVPARAM, invalid parameter passed SQL Status String =
```

```
The entity specification string contains the synonyms separator. This is not allowed
```

Chapter 5

TeMIP Client for Windows

5.1 Fixed problems

PR#	Problem Synopsis	Comment
20598	In some cases .exe file to uninstall TeMIP Client is removed.	If you had installed the Early Major Release, you need to reboot after de-installation of the EMR kit and installation of this Major Release

5.2 Known problems

The testing phase run on this kit has identified the following issues:

PR#	Problem Synopsis	Workaround

5.3 Known issues

5.3.1 Error during the setup initialization

This kit drives the installation of all mandatory kits and all optional ones.

If an error is displayed about access denied or **Ikernel.exe**, you probably cannot install one of these kits or uninstall them, please check if Ikernel.exe is actually running with the Task Manager.

If yes and all setup are over, you probably have to end the tasks using Task Manager and it will let you to install/uninstall correctly kits. It is recommended to reboot the computer to restore a stable state before begin a new installation.

Note

This behavior is rare and you don't have to do it without a good reason.

5.3.2 Setup initialization extremely slow when MAPI software is running

Description:

When launching **setup.exe** on a machine that is running MS Outlook or other MAPI software, it takes several minutes from extraction of the temporary files (“Setup is initializing the InstallShield wizard...”) until the actual setup program starts. The slow down is caused by MAPISP32.

Microsoft has confirmed this to be a problem.

Workaround:

Close Outlook before running Setup.exe. Generally, you should not have any other applications running when you run an installation.

5.3.3 Setup hangs up after 100%

After copied all needed files, the setup update the environment variable and broadcast to all running application to use this new environment. Usually it happen when a running application has a wrong behavior and do not notify correctly the Windows System Manager in response of a window message to refresh the environment variable, then it hangs the system because windows is waiting for a acknowledgement reply that never come.

In such case, it is recommended to close all running application before installation and check carefully all resident programs.

IMPORTANT

Please stop all Clarify Server Services that could be running. They use to block the installation of TeMIP Client. Check the Control Panel and Services.

5.3.4 Cursors with WebCenter

If you are using this product from WebCenter then cursors are not correctly displayed (always an arrow). It is a limitation from WebCenter Known issues.

5.3.5 Colors in remote display

If you use TeMIP Client in a Terminal Server environment with remote display, you will be limited to 256 colors.

Only Citrix MetaFrame XP (with Feature Release 3) product supports now 32 000 colors or 16 millions colors.

5.4 Documentation Status

This is the current status of the documentation and the online help.

Document	Status
TeMIP Developer Cookbook	Updated with I18N guidelines

5.5 Low Level Filter – Specific Problems Support

This section describes how to create a Discriminator Construct based on the Specific Problems attribute, using the FCL PM application.

For details on how creating a Discriminator Construct based on the Specific Problems attribute using the DC Editor application, please refer to the on-line help of the TeMIP Client.

5.5.1 Syntax

When creating a filter item on Specific Problems, the following syntax must be followed:

```
( LogicalOp = Item, -  
Item = ( FType = <operator>, -  
  <assertion> = ( ( ( OPERATION_CONTEXT, ALARM_OBJECT ), Specific  
    Problems ) , -  
  (EntityClassDefinition = ( <class> ) , EventIDCode = <eventID>,  
    SpecificProblemValues = { <List of Values> } ) ) ) , -
```

where:

<operator> can be

present: The matching is true if the Specific Problem argument is present in the event.

equality: The matching is true if all values of the event Specific Problem argument are contained in the SpecificProblemValues list of the filter, and vice versa.

subsetof: The matching is true if all values of the event Specific Problem argument are contained in the SpecificProblemValues list of the filter.

supersetof: : The matching is true if all values of the filter SpecificProblemValues list are contained in the event Specific Problem argument.

nonNullIntersection: : The matching is true if one value of the event Specific Problem argument is contained in the SpecificProblemValues list of the filter.

<assertion> must be

present if the operator is set to present. In this case, the right value is ((OPERATION_CONTEXT, ALARM_OBJECT), Specific Problems), no EntityClassDefinition, EventIDCode or SpecificProblemValues are required.

relationAssertion if the operator is set to equality.

setAssertion if the operator is set to subsetof, supersetof or nonNullIntersection.

<class> represents an existing TeMIP dictionary class. This value is not used when filtering the events, so it can be any TeMIP dictionary class. In our example, we always use the Domain class.

<eventID> represents the code of a notification event present in the specified TeMIP dictionary class represented by the <class> value. This value is not used when filtering the events, so it can be any event ID. In our example, we always use the Communication Alarm ID (1702).

<List of Values> represents the list of numerical values to be compared with the event Specific Problem argument values. If the Specific Problem type of the event is Enumeration, then the IDs of the enumerated values must be entered (see examples below).

5.5.2 Create a Low Level Filter on Specific Problems

5.5.2.1 present operator

Blocking filter

The following command illustrates how to create a TAP Filter to discard the event whose Specific Problem argument is set:

```
create MCC 0 TAP_FILTER myFilter –
Target = "*", -
Input Discriminator Construct = { ( LogicalOp = And ), ( LogicalOp = Not ), -
( LogicalOp = Item, Item = ( FType = present, present = ( ( OPERATION_CONTEXT,
ALARM_OBJECT ),Specific Problems ) ) ), -
( LogicalOp = End ) -
}
```

Passing filter

The following example illustrates how to create a TAP Filter to discard the event whose Specific Problem argument is not set:

```
create MCC 0 TAP_FILTER myFilter –
Target = "*", -
Input Discriminator Construct = { -
( LogicalOp = Item, Item = ( FType = present, present = ( ( OPERATION_CONTEXT,
ALARM_OBJECT ),Specific Problems ) ) ), -
}
```

5.5.2.2 equality operator

The following command illustrates how to create a TAP Filter to discard the event whose Specific Problem values is equals to a given subset.

In this example, events are discarded if their Specific Problem argument contains exactly the following values (order and duplicates do not count): Payload Alive TimeOut(4194305), TDM-Synchronization – Both(2102784), Download Retry Count Ex(2300160), Configuration Data Missing(2300416), Hardware Produced Error(2360832), Hardware Fault Detected(2361088), Synchronization Fault(2363392), Temperature Very High(2428160):

```
create MCC 0 TAP_FILTER myFilter –
Target = "*", -
Input Discriminator Construct = { -
( LogicalOp = And ), -
( LogicalOp = Not ), -
( LogicalOp = Item, -
```

```

Item = ( FType = equality, -
        relationAssertion = ( ( OPERATION_CONTEXT, ALARM_OBJECT ) , -
                              Specific Problems ) , -
        (EntityClassDefinition = ( Domain ) , EventIDCode = 1702,
          SpecificProblemValues = { 4194305, 2102784, 2300160, 2300416,
                                   2360832, 2361088, 2363392, 2428160 } ) ) ) , -
( LogicalOp = End ) }

```

Note that the Specific Problem values are entered as numerical values, even if they represent enumerated values.

5.5.2.3 subsetof operator

Blocking filter

The following command illustrates how to create a TAP Filter to discard the event whose Specific Problem value is a subset of a given subset.

In this example, events are discarded if all elements of their Specific Problem argument are contained in the following list of values: Payload Alive TimeOut(4194305), TDM-Synchronization – Both(2102784), Download Retry Count Ex(2300160), Configuration Data Missing(2300416), Hardware Produced Error(2360832), Hardware Fault Detected(2361088), Synchronization Fault(2363392), Temperature Very High(2428160):

```

create MCC 0 TAP_FILTER myFilter –
Target = "*", -
Input Discriminator Construct = { -
( LogicalOp = And ) , -
( LogicalOp = Not ) , -
( LogicalOp = Item , -
Item = ( FType = subsetof, -
        setAssertion = ( ( OPERATION_CONTEXT, ALARM_OBJECT ) , Specific
                          Problems ) , -
        (EntityClassDefinition = ( Domain ) , EventIDCode = 1702,
          SpecificProblemValues = { 4194305, 2102784, 2300160, 2300416,
                                   2360832, 2361088, 2363392, 2428160 } ) ) ) , -
( LogicalOp = End ) }

```

Note that the Specific Problem values are entered as numerical values, even if they represent enumerated values.

Passing filter

The following command illustrates how to create a TAP Filter to discard the event whose Specific Problem value is not a subset of a given subset.

In this example, events are not discarded if all elements of their Specific Problem argument are contained in the following list of values: Payload Alive TimeOut(4194305), TDM-Synchronization – Both(2102784), Download Retry

Count Ex(2300160), Configuration Data Missing(2300416), Hardware Produced Error(2360832), Hardware Fault Detected(2361088), Synchronization Fault(2363392), Temperature Very High(2428160):

```
create MCC 0 TAP_FILTER myFilter –
Target = "*", -
Input Discriminator Construct = { -
( LogicalOp = Item, -
Item = ( FType = subsetof, -
      setAssertion = ( ( ( OPERATION_CONTEXT, ALARM_OBJECT ) , Specific
        Problems ) , -
      (EntityClassDefinition = ( Domain ) , EventIDCode = 1702,
        SpecificProblemValues = { 4194305, 2102784, 2300160, 2300416,
          2360832, 2361088, 2363392, 2428160 } ) ) ) , -
}
}
```

Note that the Specific Problem values are entered as numerical values, even if they represent enumerated values.

5.5.2.4 supersetof operator

Blocking filter

The following command illustrates how to create a TAP Filter to discard the event whose Specific Problem value is a superset of a given subset.

In this example, events are discarded if their Specific Problem argument contains at least all of the following values: Hardware Produced Error(2360832), Hardware Fault Detected(2361088):

```
create MCC 0 TAP_FILTER myFilter –
Target = "*", -
Input Discriminator Construct = { -
( LogicalOp = And ), -
( LogicalOp = Not ), -
( LogicalOp = Item, -
Item = ( FType = supersetof, -
      setAssertion = ( ( ( OPERATION_CONTEXT, ALARM_OBJECT ) , Specific
        Problems ) , -
      (EntityClassDefinition = ( Domain ) , EventIDCode = 1702,
        SpecificProblemValues = { 2360832, 2361088 } ) ) ) , -
( LogicalOp = End ) }
```

Note that the Specific Problem values are entered as numerical values, even if they represent enumerated values.

Passing filter

The following command illustrates how to create a TAP Filter to discard the event whose Specific Problem value is not a superset of a given subset.

In this example, events are not discarded if their Specific Problem argument contains at least all of the following values: Hardware Produced Error(2360832), Hardware Fault Detected(2361088):

```
create MCC 0 TAP_FILTER myFilter –
Target = "*", -
Input Discriminator Construct = { -
( LogicalOp = Item, -
Item = ( FType = supersetof, -
      setAssertion = ( ( ( OPERATION_CONTEXT, ALARM_OBJECT ) , Specific
        Problems ) , -
      (EntityClassDefinition = ( Domain ) , EventIDCode = 1702,
        SpecificProblemValues = { 2360832, 2361088 } ) ) ) , -
}
```

Note that the Specific Problem values are entered as numerical values, even if they represent enumerated values.

5.5.2.5 nonNullSetIntersection operator

Blocking filter

The following command illustrates how to create a TAP Filter to discard the event whose Specific Problem value contains at least one element of a given subset.

In this example, events are discarded if their Specific Problem argument contains at least one of the following values: Payload Alive TimeOut(4194305), TDM-Synchronization – Both(2102784), Download Retry Count Ex(2300160), Configuration Data Missing(2300416), Hardware Produced Error(2360832), Hardware Fault Detected(2361088), Synchronization Fault(2363392), Temperature Very High(2428160):

```
create MCC 0 TAP_FILTER myFilter –
Target = "*", -
Input Discriminator Construct = { -
( LogicalOp = And ), -
( LogicalOp = Not ), -
( LogicalOp = Item, -
Item = ( FType = nonNullSetIntersection, -
      setAssertion = ( ( ( OPERATION_CONTEXT, ALARM_OBJECT ) , Specific
        Problems ) , -
```

```
(EntityClassDefinition = ( Domain ) , EventIDCode = 1702,  
  SpecificProblemValues = { 4194305, 2102784, 2300160, 2300416,  
    2360832, 2361088, 2363392, 2428160 } ) ) , -  
( LogicalOp = End ) }
```

Note that the Specific Problem values are entered as numerical values, even if they represent enumerated values.

Passing filter

The following command illustrates how to create a TAP Filter to discard the event whose Specific Problem value does not contain at least one element of a given subset.

In this example, events are not discarded if their Specific Problem argument contains at least one of the following values: Payload Alive TimeOut(4194305), TDM-Synchronization – Both(2102784), Download Retry Count Ex(2300160), Configuration Data Missing(2300416), Hardware Produced Error(2360832), Hardware Fault Detected(2361088), Synchronization Fault(2363392), Temperature Very High(2428160):

```
create MCC 0 TAP_FILTER myFilter -  
Target = "*", -  
Input Discriminator Construct = { -  
( LogicalOp = Item, -  
Item = ( FType = nonNullSetIntersection, -  
  setAssertion = ( ( ( OPERATION_CONTEXT, ALARM_OBJECT ) , Specific  
    Problems ) , -  
  (EntityClassDefinition = ( Domain ) , EventIDCode = 1702,  
    SpecificProblemValues = { 4194305, 2102784, 2300160, 2300416,  
      2360832, 2361088, 2363392, 2428160 } ) ) ) , -  
}
```

Note that the Specific Problem values are entered as numerical values, even if they represent enumerated values.

Chapter 6

TeMIP License Server for Windows

6.1 Known problems

The testing phase run on this kit has identified the following issues:

PR#	Problem Synopsis	Workaround
17009	<p>I18N: [C79784] Flexlm License Check Failed if client application running in multi-byte locale</p> <p>FlexLM sometimes fails to read the license when the TeMIP TFR is launched under a multi-byte locale, starting an application sometimes fails with "INVALID LICENSE" error, whereas the license is OK. The application sometimes starts. It makes the platform very hard to start (or restart) under a multi-byte locale.</p>	<p>This problem is not reproducible on Sun Solaris and HP-UX.</p>
6212	<p>In some case, we need to restart the TeMIP License Server after a reboot on W2000</p> <p>CPU has 100% and temipdec cannot be launched correctly.</p>	<p>Go to control Panel , and Services. Stop/Start the TeMIP License Server Service and you may have to put the TeMIP License Server in manual mode.</p>

6.2 Stop License Server on Windows

Go to Control Panel, click on Services, and check out "TeMIP License Server" in the list box.

Select it, and click on the button "Stop". The License Server is now stopped and no TeMIP Applications can be launched.

6.3 Start License Server on Windows

Go to Control Panel, click on Services, and check out "TeMIP License Server" in the list box.

Select it, and click on the button "Start". The License Server is now started using the license file in C:\FLEXLM directory. TeMIP Applications can be launched.

6.4 How to upgrade your license file

No change can be performed if the License server is running.

First step is to stop the TeMIP License Server, then replace (or merge with another license file) the license file in c:\FLEXLM.

After change in the license file, you have to restart it. You can see your TeMIP License Server running in the list box of the NT services.

6.5 Troubleshooting

If the license server does not start, your file is probably wrong or saved in a wrong location. Check your file before starting the license server service. Do not forget to update manually (if you change manually the file) the server name in the first line of the licenses.dat file.

Check if you have a valid date to use the license and a correct number of tokens.

To help you to check your license file, you can run lmutil tools to check the syntax of your file if you modified it.

Chapter 7

TeMIP Desktop for Windows

7.1 Fixed problems

Component	PR	Description
All	50077	Japanese kanji corruption display in some dialog resources
Desktop	50089	Console message date does not follow the locale information
Desktop	7061	Every time you open the help the count in the TeMIP Client frame increases like help1 help2,
Desktop	19906	Confirmation box in Options and Classes Control Panel dialogs should not close the dialog box when selecting cancel.
Desktop	49552	No file listed in Import Old Workspace dialog window even has chosen to show All Files
Desktop	50837	Long string message is not be fully displayed in the console
Desktop	50097	Open a real-time view, click on "maximize view". Then save the workspace, and try to restore the view : nothing happens
Desktop	50138	When using ? button, sometimes it launches help HTML but sometimes launches a error HTML page.
Desktop	50306	The cut, paste and copy functions in the TeMIP Client do not work in internal web browser.
Desktop	19688	It is not possible to display GMT time on the TeMIP Client
Desktop	8583	In view menu the shortcut alt +F appears twice for Full screen and Filter patterns
Desktop	21514	Standardize date / time formats between TAL and TeMIP Client
DAP Browser - Management View	50095	Search in entity browser and management view does not take in account multi byte characters and has problems with input method validation
Entity Browser	50099	Sort in Entity Browser does not follow locale sorting information
Entity Browser	50764	Entity Browser font is not correct when loading workspace
Entity Browser	49311	"Entity instance syntax error" notification appears when double clicking on MCC temp.(DM_server_hostname)_director TAL_ORBIX_SERVER CONNECTED_CLIENT. Same problem occurs when moving mouse cursor over the node in order to display tooltips.
Entity Browser	50754	Sometime focus is lost when using the keyboard to navigate within the browser
Entity Browser	51296	If the Entity Browser is launched for a specified entity from the popup menu (focus..., browse entity...), only the top 3 levels of hierarchy are visible.
Entity Browser	20003	Instances default to 10000 default when a higher value is entered, but no error message box are displayed
Central	50657	List of views and classes is not sorted according to the system

Component	PR	Description
Configuration		locale.
Management View	51115	Boolean field in the reply panel of a Management View are truncated : "fals" instead of "false"
Management View	51318	Management View is not case sensitive when performing SET/CREATE...directives
Management View	50272	It is not possible to configure the NameServer to use in the MGV for synonym creation
Management View	50892	Management View crashes for MCC NOTIFICATION_FM entities when filling unscopped global classes
Management View	50977	When entity name is long, it is difficult to select combo box edit control in Management View because of tool tip
Management View	51204	Sometimes, after execution of a not allowed directive (MCC_I_REJECTED message), it is no longer possible to open management view from the entity browser. For example, this occurs after a SUMMARIZE on a NameServer sub classes (ASCIISynonym or IPSynonym or OSIDNSynonym) entity.
DC librarian	50773	"assertion failed" error in DC librarian when saving string filter items
Documentation	50121	Documentation issues on TeMIP Client online help
Documentation	50130	Documentation issues on TeMIP Map Editor online help
Documentation	10465	RealTimeAHSsystem.conf syntax should be improved
Documentation	50122	Documentation issues on Management View online help
Documentation	50126	Documentation issues on Entity Browser online help
Documentation	50266	Documentation issues on TeMIP Client online help
Documentation	50309	Screenshots outdated in TeMIP Client online help
Documentation	50237	Incorrect filter pattern visibility description in TeMIP Client online help
Documentation	50795	Alarm Forwarding help not correctly displayed

7.2 Known problems

The testing phase run on this kit has identified the following issues:

PR#	Problem Synopsis	Workaround
50439	<p>Prerequisite:</p> <ul style="list-style-type: none"> Have a windows with Japanese codepage as default codepage to generate alarms with japanese ideogram Have a TeMIP Server that runs under a Japanese Locale (ja_JP.PCK on SUN, ja_JP.SJIS on tru64/HP) <p>Create a Discriminator Construct with a blocking filter for 'Additional Text contains Z'</p> <p>Generate alarms collected by the OC with additional text equals to the japanese 'se' sound in katakana form. The second byte for this 'se' katakana is Z</p> <p>The alarms generated are discarded by the DC, they should not (Z is not part of the Japanese string 'se', even if the second byte is Z, It should be considered as ONE character).</p>	<p>Do not use the 'Z' character</p> <p>Note: Filters on one character are rarely used and occurrences of the problem will be very low at the moment where two characters are used in the filter.</p>
51639	DCLibrarian do not support Japanese char in value.	
16145	In SPEditor saved start and end time are not always the one entered.	Framework scheduler FM problem

7.3 Known issues

7.3.1 Administrator Login

TeMIP User and TeMIP System User configuration file management is fully implemented.

When logged as a System User (using the 'temip' login) only system configuration files are updated.

It is possible, at any time, to check your login name in the TeMIP Client About box dialog. If the current user is a system user a red icon is display on the left side of the user name otherwise it is white.

Note

If you are administrator, no workspace can be loaded or saved.

7.3.2 User configuration files messages

Messages about user configuration files at application start can be misleading for user.

When the client is opened (and there are no customized launch configuration files) multiple messages are delivered to the general tab of the message console indicating the files cannot be found. This is

misleading and may cause the operator to think their client is incorrectly installed.

An configuration variable has been added to display such messages or not in the TEMIPClientSystem.conf (and TeMIPMapEditor.conf and TeMIPDesktopSystem.conf)

[General]

ShowMissingConfFiles = False | True

[End General]

Set to True by default.

7.3.3 Help Window opens in background

Help window opens in the background if requested from the Options dialog. By default the Help will now use the External Browser.

The following variable is set to True in the configuration files (TEMIPClientSystem.conf, TeMIPMapEditor.conf and TeMIPDesktopSystem.conf)

[General]

External Browser = True

[End General]

7.3.4 Loading / Saving configuration files on a network drive is very slow

Windows API has some technical limitation to manage correctly the text file with .INI format like our configuration files. The used APIs GetProfileString, GetProfileInt, SetProfileString, SetProfileInt are very slow because they access sequentially to the file. Because the TeMIP Client used a lot of this parameter to save/load graphical information, the loading and saving of such workspace is not recommended.

7.3.5 Management View can't be opened if too many windows are already opened.

If you have this error message:

*Sorry, this window can't be displayed correctly.
You may have reached the system limits.
Please close some Management Views with a lot of attributes to free some resources.*

You may have reached the maximal user objects limitation for your windows operating system. Windows has a limit for User Objects per application.

Under Windows 2000, this limit is 10000.

Under Windows NT, this limit is 65535 (but the actual maximum is dependent on the type of user objects)

See Microsoft Knowledge base **Q326591** to have more details

Maximum NT User Handles Per Process Is 10,000 in Windows 2000

This error can occur if you already opened management view with a lot of partition/group and attributes.

You need to close some other opened windows in the TeMIP Client before to be able to open a new Management View.

7.3.6 Error on “summarize oper xxx alarm xxx” in management view .

This problem is due to default value set in MSL. They introduce a problem executing a summarize directive with the “Response Order” .(Default Value for “Response Order” is “NewestFirst”)

Example using TAL commandline:

```
TeMIP> summarize operation_context beluga_ns:.qa.AH_Ntoc alarm *  
Response Order=NewestFirst  
%MCC-E-INV_IN_P, invalid argument or attribute
```

A possible workaround is to turn-off the default value in the System Configuration File for Management View.

```
[ManagementView General]  
# do not fill default value automatically  
Auto Fill Default = False  
[End ManagementView General]
```

7.3.7 Setting the TeMIP Client Default Font Size

Problem description (PR#10879): On some screens (flat screens essentially) the font used in the alarm list may be difficult to read.

Have an option to change the font size, and also options for choosing a non-bold font and no-grid in the Alarm List.

Problem Solution

For the font size, the environment variable TEMIP_FONT_SIZE can be set to change the font size.

Example : set TEMIP_FONT_SIZE=14

For the grid and bold in the Alarm List, new configuration variables have been added. Example for Real time :

```
[ RTAH List View ]  
Bold Font = FALSE
```

```
Grid Lines = FALSE
[ End RTAH List View ]
```

Separate settings can be applied for history and real-time.

7.3.8 Management View Edit Field Size

Problem description (PR#10880): Have edit field in the Management View adapt their size to it's content

It would be nice to have the management view fields adapting their size to their contents, horizontally, with a maximum width.

That way, on large screens, users will take use of all the space available removing need for an extra scrollbar.

Problem Solution

In the Management View configuration file, you can use a new setting to augment the maximum size of any String edit field:

```
[ Presentation Form]
    MaxWidth Edit String = 600
[ End Presentation Form]
```

Then, if the size of the text in the field is bigger than the default size, the control is extended up to this max width. If this value is not set, the old behavior is kept.

7.3.9 Critical Message Popup

Problem description (PR#10881): Pop up a window when a critical message is coming

Critical messages can go unnoticed by operator, so it could be nice to have an option setting that allows, each time a critical message is coming, a dialog box to popup.

Problem Solution

There is a new resource in the TeMIPDesktop configuration file

By default, no dialog box is popping.

```
[ General ]
    Critical Error Dialog = TRUE
[ End General ]
```

7.3.10 Open Workspace Confirmation Box

Problem description (PR#10898): Confirmation should not be necessary when opening a Workspace from menu.

When user open a workspace by the menu item File-->OpenWorkspace....

A pop-up window is displayed to ask user: "Do you want to load workspace?"

This confirmation is not necessary.

Problem Solution

To avoid the pop-up window, a resource can be set in the TeMIP Client configuration file.

```
[ General ]  
    Load Latest Workspace = FALSE  
[ End General ]
```

7.3.11 Time Format

Problem description: setting GMT time display on TeMIP Client

Problem Solution:

Set the following environment variables to the specified values:

```
TZ = "GMT"  
  
and  
  
TAL_TIME_OUT_FORMAT = "%Y/%m/%d %H:%M:%S %Z"
```

When the environment variable TZ is set to GMT by example, all time handled (date displayed, date set and graphical filtering on date) is GMT time.

7.3.12 Limitation of the rule creation from the Entity Browser

In the DAP browser, under the domain class several rule subclasses are defined

(for instance Subclass Change Of Rule).

These classes can not be created using their Presentation Name defined in the msl.

They can only be created using the subclass RULE (the several Rule subclasses seem to have been created especially for the management of the different kind of rules in the mcc_iconic_map)

In the TeMIP Client Entity Browser, if user tries to create one of this kind of entity in the management view (create domain xxx change of rule yyy), he gets an error stating invalid VEP because it is not supported to create it using its presentation name (and because no special management is and will be done for these subclasses).

7.3.13 Regular Expression using Unicode

By default, TeMIP Client will use the standard regular expression to apply filters for performance reasons.

If you plan to use TeMIP Client in a specific language environment (ex: Japanese, ...), the standard regular expression is not fully compliant with

your character codeset, you can specify a setting in the environment variable to activate the regular expression Unicode.

```
TEMIP_REGEXP_UNICODE=<Encoding name>
```

You will need an encoding name to use for conversion. The encoding name is encoded in ASCII and must specify one of the names associated with the character set listed in :

<http://www.iana.org/assignments/character-sets>

Example

Use regular expression Unicode in Japanese environment, you need to set TEMIP_REGEXP_UNICODE=Shift-JIS

Note

This should be applied for all operations using filters (non exhaustive list):

- Display associated alarms
 - Drag and drop from alarm view to filter panel to create filter on the fly
 - Textual search
 - etc...
-

7.3.14 Maximized view are not recovered when loading workspace

This is a Stingray Objective Toolkit Pro library issue. Stingray libraries delivered with TeMIP Client (OT802as.dll) have been patched to correct PR#48382.

If you don't use the Stingray Objective Toolkit Pro libraries delivered with TeMIP Client, you should make the correction by yourself. In the file <STINGRAY INSTALLATION DIR>\Src\Toolkit\ui\ SWSMGREX.CPP, find the method

SECWorkspaceManagerEx::OpenSpecificChildFrame (line 1058 in version 8.2 of Stingray Objective Toolkit Pro). In this method you should have the following code :

```
.....
if(!pFrame) {
    TRACE(_T("WorkspaceEx: Failed to open document %s"),strDocPath);
    return FALSE;
}
// When (if) document was opened via OpenDocumentFile, FALSE was
// fed for the visible parm such that document would not be visible
// until the SetWindowPlacement call below is done (cuts down unnecessary
// flicker). A byproduct of this, though, is that the OnInitialUpdate
// for the view is not properly pumped. Therefore, we are artificially
// issuing an InitialUpdateFrame here to properly pump this callback.
// Note 2: InitialUpdateFrame must be called BEFORE the SetWindowPlacement
// call to preserve proper order of invocation on the embedded CView's
// OnActivateView handler (OnActivateView(TRUE,...) after the OnInitialUpdate.
// This behavior is consistent with the following information provided in the
// MSDN corresponding to the CView::OnActivateView handler:
// "Called by the framework after the view is first attached to the document,
// but before the view is initially displayed..."
pDocTemplate->InitialUpdateFrame(pFrame,*ppDoc,TRUE);
```

.....

Just replace the line

```
pDocTemplate->InitialUpdateFrame (pFrame, *ppDoc, TRUE);
```

by

```
pDocTemplate->InitialUpdateFrame (pFrame, *ppDoc, FALSE);
```

7.3.15 Plug-in toolbar duplicated after installing a new plug-in, toolbar not visible after loading a workspace from previous version.

Toolbars ID management was not correct in pre V510L02 version of TeMIP Client.

Here are some symptoms of the problem:

- After having installing a new plugin on an existing TeMIP Client installation, and loading a workspace created before the installation of the new plugin, the toolbar names are duplicate in the View \ Toolbars dialog box.
- After loading in V510L02 a workspace from a previous version of TeMIP Client, some toolbars (OC View, Console...) are not visible.

The only way to solved this problem is to manually edit the workspace file (.tks), and make the following change.

(1) In .tks file, find the name of the new plugin. You should find a line like **WindowName=plugin_name**.

(2) The header of the section should have the form **[WorkState_v1_2.DockState.Bar-18]**.

(3) Note the toolbar number (in this exemple : **18**).

(4) Remove all the section : from **[WorkState_v1_2.DockState.Bar-18]** (included) to the next [...] (not included)

(5) Remove also the associated section **[WorkState_v1_2.DockState.Bar-18.ToolBarInfoEx]**

7.3.16 Applications or components can not start because gdiplus.dll file is missing

If gdiplus.dll system file is not present on your computer, TeMIP Map Viewer, TeMIP Map Editor and TeMIP Symbol Editor will not start.

This file is part of Microsoft GDI+ redistributable files. Redistributable files for GDI+ can be downloaded on the Microsoft Web Site.

GDI+ is already included with Windows XP and Windows Server 2003.

For more information, see:

<http://msdn.microsoft.com/library/en-us/gdicpp/GDIPlus/GDIPlus.asp>

and

<http://www.microsoft.com/msdownload/platformsdk/sdkupdate/psdkredist.htm>

Chapter 8

TeMIP Alarm Handling for Windows

8.1 Fixed problems

PR#	Problem Synopsis
50077	Japanese kanji corruption display in some dialog resources
50086	Japanese Kanji display is corrupted in the filter GUI in the value field and filter item summary string
50093	Sorting does not follow the locale information in Real Time View and History View
15447	The size of the Search Textbox combo box (to select the Operation Context(s) for a search in a History View) cannot be changed once inserted in the Desktop History Toolbar and is not easily readable
19423	In the RTAH viewer when you want to Terminate an alarm , a confirmation box should be displayed
50430	When a column header is hidden (partly hidden) a tooltip box indicating the "full name of the column" should be displayed
48607	It could be useful to make system filters permanent and NOT "un-selectable" by the operator
50292	Real Time View hangs when terminating alarms over 65536 limit
17376	Additional fields are not displayed in Similar Alarms view
51267	When a filter pattern is enabled while the history is retrieving the alarms from a Summarize call, the alarms not matched by the filter are lost.
549	Date / time format cannot be customized in filter pattern editor and search pattern editor
51705	Wrong "Directive" popup-menu in Realtime and History view
51748	Costly TAL Server accesses when a alarm is selected in the Realtime & History views
51816	severe performance degradation on alarm display in V510L02
52259	In V50/V52 interoperability, history view of V50 OC does not work
17836	Icons indistinct when alarm selected.
51514	OC combo box and button missing from Customize window after drag and drop to toolbar

8.2 Known problems

The testing phase run on this kit has identified the following issues:

PR#	Problem Synopsis	Workaround
50103	<p>Summarize alarms with additional text containing { fails.</p> <p>This command fails with unbalanced closed error MCC-E-UNBAL_OPENCLOSE</p> <p>This is because toto{ is send as a setof within {} and the parsing does not seems to be correctly done</p> <p>Occurs with TeMIP Client History Alarm handling search patterns, TALCL and FCLPM</p> <p>Enclosing the add text into quotes or double quotes has no effects</p> <p>Note: Multi-byte characters that contains the ASCII code for { or } in one of their byte will also causes the same error.</p>	

8.3 Known issues

8.3.1 Performance issues with some sorting

Sorting can affect acknowledge or terminate operations, especially when the number of alarms is important. On acknowledge or terminate operation on a large number of alarms, it is recommended to use a sorting which avoids an important refresh of the alarm list view.

8.3.2 Multiple History OC combo not supported

If the user adds more than one instance of the history OC combo in the toolbar using the customization features, only the first instance is used to drive history alarm view. It is recommended to use only one instance of this combo to avoid any confusion.

8.3.3 Filter “Not equal” not supported for History AH

Due to some technical limitation of summarize directives, HistoryAH plug-in is not able to filter with such filter with “not equal”. Only equal is supported and then the value “not equal” has been removed from the user choice in the search dialog box.

8.3.4 Troubles with Display Name Space tag set to True

If this tag is directly set in the RealtimeAHSsystem.conf file (true or false), the end user must reload his Ocs in the OC list box and save the workspace again after the setting.

8.3.5 Warning message “State Change Event received on an alarm not found in the alarm list”

This warning message occurs when a state change event is received but none alarm can be found in the alarm list to match this event. It is possible to get this error in case of wrong sizing of TAL or ACS queue. So it could happen you lost an alarm creation event but receive later when queues are less busy a state change event.

You can easily identify this error because you should get error message “ACS event lost” in your console window. It is recommended to contact your administrator to check configuration of your servers.

8.3.6 Hang of the application due to low System sizing

TeMIP Client may hang on the disable of an OC with 50.000 alarms after a close operation of an History Alarm View with 100.000 alarms.

This is due to reduced computer memory size. Please follow the hardware sizing requirements (see 2.1.1)

8.3.7 Filtering rules

For performance reason while filtering the "." is no more used (instead of using XX.* use XX).

While creating filter by Drag and Drop with item containing characters '{' and '}', these characters will be replaced by '.'

String filters are not case sensitive.

To filter with an exact string XX, user should add:

- '^' at the beginning of the filter string (regular expression syntax)
- '\$' at the end of the filter string (regular expression syntax)

Drag and Drop of String Field having a multi line value is possible (for instance Operator Note with several lines)

8.3.8 In V50/V52 interoperability, history view of V50 OC does not work

When using to 2 or more directors with FTMV5.0 and FTM5.2, and after doing a propagation of metadata from a V5.2 server, the new directives and attributes related to FTM V5.2 will be present on all directors. In TeMIP Client, detection of the new argument WHAT of SUMMARIZE directive on ALARM_OBJECTS is used to make a distinction between a FTM5.2 or FTM5.0 server. So after propagation, SUMMARIZE an OC managed by the V50 director will not work, because the WHAT argument

will not be recognized. To solve this problem, an option has been added in in HistoryAHSystem.conf file to disable the use of the WHAT argument.

[History General]

 Disable What Support for Summarize = True / False

[End History General]

Chapter 9

TeMIP Map Viewer for Windows

9.1 Fixed problems

PR#	Problem Synopsis
50077	Japanese kanji corruption display in some dialog resources
31705	Multi-bytes garbage in map view <u>Note:</u> Please read carefully the guide in 3.2 to know how to configure your Windows® system to display multi-byte characters in the Map Viewer, Map Editor and Symbol Editor
51699	directives menu disappear from the operation menu

9.2 Known problems

The testing phase run on this kit has identified the following issues:

PR#	Problem Synopsis	Workaround
11140	Buttons of the overview can be masked by the overview's map	Try to resize the overview window to adjust again the toolbar.
12251	New Pending alarms visibility cannot be disabled	The option is not taken in account in dynamic. You need to close and re-open the map, then it works
50547	Find Entity does not work when using regular expression and a synonym containing multi byte character for which second byte is \	Use the exact match. It is not recommended to use synonym with multi-bytes characters.

9.3 Known issues

9.3.1 Access to Graphical resources

All graphical resources used by the TeMIP Map Viewer are in the directory specified in the variable of environment TEMIP_MAP_RESOURCES.

The default value is the expand value of TeMIP Res on the disk used for the installation of the TeMIP Client.

A good reason to change the value of TEMIP_MAP_RESOURCE is if the graphical resource files have to be shared by several workstations

(Ex : 1 Map Editor on 1 Workstation and N Map Viewer on N Workstations).

What is recommended is:

Share the resource directory you want to use.

You can copy the directory and the sub directories to another computer if you want (for example a server).

To Do This:

In the Windows Explorer, Contextual menu on when the mouse is over the name of the directory “TeMIP Res”, click on the menu item “Sharing...”

All the Map Editor users must have Read/Write access (Full Control).

All the Map Viewer users must have at least Read access.

On all the workstations where a TeMIP Map Viewer or a TeMIP Map Editor can be run,

Use a Drive letter to Map a drive on the shared resources directory

Example: Map it on letter R:

Change the value of the environment variable
TEMIP_MAP_RESOURCES

Set it to R:

9.3.2 Possible Mismatch on a MAPID

If two maps with the same name are opened in the Map Viewer using different formats, the Map Viewer will have an unpredictable behavior. As a consequence, a Map shared between hierarchies of maps stored in different formats, cannot be opened directly or indirectly (by opening a parent Map) in more than one format.

Example

Considering the following hierarchies of Maps stored in different formats,

Valid operation sequence:

1. Open domain map_a (Map File), Open domain map_e (Oracle)
2. Open domain map_d (Oracle), Open domain map_f (Oracle)

Invalid operation sequence:

1. Open domain map_a (Map File), Open domain map_c (Oracle)
(because H1 includes map_c)
2. Open domain map_a (Map File), Open domain map_d (Oracle)
(because H2 includes map_c)
3. Open domain map_c (Oracle), Open domain map_a (Map File)
(because H1 includes map_c)

Map File hierarchy of maps H1

domain map_a

- domain map_b
- domain map_c

Oracle hierarchy of maps H2

domain map_d

- domain map_c
- domain map_e

Oracle hierarchy of maps H3

domain map_f

- domain map_g
- domain map_h

9.3.3 Performance problems when maps are displayed

If you notice performance problems using TeMIP Map Viewer and decoration features, it could be interesting to check your video driver with your constructor. Check Web sites and use the latest driver and set parameters to have optimal performances. Good accelerated video card 2D is recommended.

9.3.4 Expanding a Top Map when Using Replica Database

Problem description (PR#11078): in Oracle map format, the following can be experienced from the TeMIP Client: Expanding a hierarchy of maps from a Top map may take a long time when the HDS module is reading from a replica database instance.

Problem Solution

A solution is to create an index to speedup the associated statement.

This index is already defined on master databases.

On the system hosting the Oracle server replica, if the index does not exist then create the index:

- 1) Connect to the instance using sqlplus.

The default ORACLE_SID is temipmap

the default database user/password is temipmap/temipmap

- 2) Execute the following statement

(given here for a database with default name 'temipmap')

```
CREATE INDEX temipmap.MAP_ITEMS_MAP_ID_I on
temipmap.MAP_ITEMS (MAP_ID)
PCTFREE 5
TABLESPACE IDX_TEMIPMAP
STORAGE (INITIAL 256K
NEXT 256K
MINEXTENTS 1
MAXEXTENTS 700b
PCTINCREASE 0);
```

9.3.5 Applications or components can not start because gdiplus.dll file is missing

If gdiplus.dll system file is not present on your computer, TeMIP Map Viewer, TeMIP Map Editor and TeMIP Symbol Editor will not start.

This file is part of Microsoft GDI+ redistributable files. Redistributable files for GDI+ can be downloaded on the Microsoft Web Site.

GDI+ is already included with Windows XP and Windows Server 2003.

For more information, see:

<http://msdn.microsoft.com/library/en-us/gdicpp/GDIPlus/GDIPlus.asp>

and

<http://www.microsoft.com/msdownload/platformsdk/sdkupdate/psdkredist.htm>

Chapter 10

TeMIP Map Editors for Windows

10.1 Fixed problems

PR#	Problem Synopsis
50077	Japanese kanji corruption display in some dialog resources
31705	Multi-bytes garbage in map view <u>Note:</u> Please read carefully the guide in 3.2 to know how to configure your Windows® system to display multi-byte characters in the Map Viewer, Map Editor and Symbol Editor
11644	Open Management View entry in the MB3 menu of the map items could be useful
49596	It is possible to associate a MapItem with a wildcard entity definition, but they are not managed

10.2 Known problems

The testing phase run on this kit has identified the following issues:

PR#	Problem Synopsis	Workaround
18286	MapEditor crash when changing extent	Change extent and do not scroll. Exit and restart TeMIPClient
18030	Classic map migration: Unix fonts are badly mapped onto NT fonts	
15928	Layers options not saved for MapEditor level	
6459	Focus buttons not working	
4786	<escape> button does not cancel the dialog in Symbol Editor -> Object -> Move: <escape> button does not cancel the dialog	Use cancel button

10.3 Known issues

10.3.1 Bitmap filename limitation

Bitmaps should be given valid names if they are intended for use in models. Valid names include the characters "A - z"; underscores (_) and dollar signs (\$); and the digits 0 - 9 (if not the first character of the bitmap name). Blanks (spaces), dashes (-), <Escape>, and other non-printing characters are not valid

names.

10.3.2 Access to Graphical resources

Same as for MapViewer. See 9.3.1

10.3.3 Check Text Position of Symbols

In the *mcc_iconic_map* (the map viewer on Tru64 UNIX), the Symbol and Text (name of this Symbol) coordinates are in the same referential. When the position of the Text equals the position of the Symbol, the Text is placed at the reference point of the Symbol (in general, the center of the icon)

When the user wants to load a map created with the *mcc_iconic_map* (load format is *map_file*) In the TeMIPClient and TeMIPMapEditor applications, the Text (name of the symbol) and Symbols are not in the same referential. The **delta** between both referentials is the position of the Text in the model referential when the user creates the model in the Symbol Editor.

So when a map is loaded from the “map_file”, the text is not positioned at the same place on Windows: it is moved of the previous **delta**.

Currently, the user has to edit the map with the TeMIPMapEditor and move the Text before saving it in DB format.

For each Symbol:

1. Select the Symbol,
2. Display the Map Item Property Window (menu Window)
3. Choose the tab “Graphical” in the Map Item Property Window
4. Change the text position.
5. Click on Apply

10.3.4 Characters used to name maps

When a map is saved, a file is generated. Its name is based on the map name. Hazardous characters (dot and space) are replaced by underscore, some others are not checked.

It is recommended to use characters authorized for file names and avoid (as possible as) the use of dot and space characters.

Example: the maps “my map” and “my.map” will generate the same file. A loss of data is possible.

10.3.5 Characters used to name symbols

The Symbol editor does not support Windows file names

Using the symbol editor you can't create symbol files with “-“ or whitespace characters in the file name.

This is a restriction of the graphical tool.

10.3.6 How to optimize manually a model

To optimize a model and get a flat model, you have to use the modopt tool provide in the

<TeMIP Client directory>\SL-GMS Runtime\bin

Syntax:

MODOPT -x <yourModel>.m1

This tool will create a <YourModel>_new.m1 model. This model is the flat version (optimized) of your model. You can rename it later and put it in the MODEL directory in the TeMIP Resource.

10.3.7 No name can be associated to a connector

When defining a connector through the Map Editor, no name can be associated to it and hence displayed with the connector. This is a limitation of the graphical tool.

10.3.8 Updating font size has no impact when building a line

In Map Editor when one updates the font size (10->20) and then builds a line, it has no impact on the displayed line name.

Font size can't be changed for some objects (lines, rectangles, circles...) due to graphical tool limitations. Font size combo box is now grayed if selected item or selected command isn't text.

10.3.9 Display problem with Kanji characters on a Windows 2000

Graphical engine used to display Kanji may have some side effect between Windows 2000 and Windows XP according to the font installed on your PC.

If you have such display problem with kanji character, you will have to update manually your fontdef file to specify a windows 2000 specific version.

1. Stop any running TeMIP Client, Symbol Editor or Map Editor applications.
2. Backup your original **fontdef.dat** file to **fontdef.dat.xp**. This file is under **<installation director>\SL-GMS Runtime\lib**

Example with the default installation, the full path is : C:\Program Files\TeMIP Client V5.1 for Windows\SL-GMS Runtime\lib

3. Copy the **fontdef.dat.w2k** to **fontdef.dat**. This file is under **<installation director>\SL-GMS Runtime\lib**
4. You can now restart your application to test the workaround.

10.3.10 Applications or components can not start because gdiplus.dll file is missing

If gdiplus.dll system file is not present on your computer, TeMIP Map Viewer, TeMIP Map Editor and TeMIP Symbol Editor will not start.

This file is part of Microsoft GDI+ redistributable files. Redistributable files for GDI+ can be downloaded on the Microsoft Web Site.

GDI+ is already included with Windows XP and Windows Server 2003.

For more information, see:

<http://msdn.microsoft.com/library/en-us/gdicpp/GDIPlus/GDIPlus.asp>

and

<http://www.microsoft.com/msdownload/platformsdk/sdkupdate/psdkredist.htm>

Chapter 11

TeMIP Resync FM for Windows

11.1 Fixed problems

PR#	Problem Synopsis
19759	Missing tooltips support for Resync plug-in components.
19665	GetSelectedEntitiesInMapdll() wrong implementation and crash
19399	Add Workspace persistence for Resync FM GUI.
19761	AOForward and ResyncFM toolbar not available by default

Chapter 12

TeMIP Alarm Forwarding for Windows

12.1 Fixed Problems

PR#	Problem Synopsis
19445	Bad tooltips management in Alarm Forwarding Plug-In
17752	Drag & Drop of more than 1000 alarms is very slow
19761	AOForward and ResyncFM toolbar not available by default

12.2 Known problems

The testing phase run on this kit has identified the following issues:

PR#	Problem Synopsis	Workaround
18735	Error dialog pops-up at GUI startup if no groups are defined.	Define at least one group (ex: Launch Adapter)
17755	No wait cursor displayed while processing the forwardao directive.	

Chapter 13

TeMIP GAT Pass-Through for Windows

13.1 Fixed problems

PR#	Problem Synopsis
49795	The window title is not correctly updated when an Open Session script is associated with the NE.
49796	The Output Console is not dynamically updated when font and colors are modified in the Options Panel.
49797	Output Console buffer size not dynamically applied when modified in the Options Panel.
49798	Input Console history size not dynamically applied when modified in the Options Panel.
49799	Ctrl-C and Ctrl-V shortcuts do not work in the Input Console.
49800	Name of the last connected entity not saved in workspace (per-view information).
49801	The raw response in Octet String format is missing in the traces.
50559	Input edit zone should improve cut/paste handling.
50556	Tracing mistakes enter/leaving methods.

13.2 Known problems

The testing phase run on this kit has identified the following issues:

PR#	Problem Synopsis	Workaround
50568	Launch arguments are not always correct when select 2 or more plugins	

13.3 Known issues

13.3.1 Close Session Script not played on exit

Close Session scripts are not played when the user leaves the TeMIP Client with opened GAT Pass-Through sessions.

If a GAT Pass-Through session is opened on an entity with a Close Session script defined, this Close Session script is not played if the user quits the TeMIP Client or kill the GAT Pass-Through window using the Close button (crossed button on the right of the window's header).

To ensure that the Close Session script is played, the operator must always close its session using the Disconnect button.

13.3.2 Colors not dynamically updated for the Output Console

When the user customizes the colors in the Option Panel, new colors are effective only for new entries displayed in the Output Console.

The content of the Output Console is not redrawn when the user modifies options in the GAT Pass-Through Options Panel.

Chapter 14

TeMIP Outage Viewer for Windows

14.1 Fixed Problems

PR#	Problem Synopsis

14.2 Known problems

The testing phase run on this kit has identified the following issues:

PR#	Problem Synopsis	Workaround

Chapter 15

TeMIP Access Library for Windows

This Product consists of a software kit named *TeMIP Access Library V5.1 for Windows*.

The *TeMIP Access Library V5.1 for Windows* is composed of a runtime environment needed by all kits that require access to TeMIP information from Windows. Use of the TeMIP Client V5.1 for Windows and the TeMIP Access Library Toolkit V5.1 for Windows kits is prerequisite.

15.1 Fixed problems

PR#	Problem Synopsis	Comment
50009	An unexpected exception is raised when trying to display a TAttribute containing a TUserDefined	

15.2 Known problems

The testing phase run on this kit has identified the following issues:

PR#	Problem Synopsis	Workaround
17255	TeMIP up pm do not work if % in the PATH (TAL CL do not work correctly in some specific cases)	The Temip_up_pm application does not work with % char in the path environment variable. ex: %WINDIR%\system32;c:\program files\temp client V5.1 for windows workaround : put the tempclient path before %
11212	Memory leak (32K after 10000 alarms summarized) A small memory leak exists when an alarm is received in the Real Time Alarm Handling.	

15.3 Known issues

It is assumed that the computer has valid Tcp-ip settings (e.g. a valid IP address). This can be checked by checking the result of the “ipconfig /all” command.

In case of license check problem, check the computer can ‘ping’ itself using the command:

```
c:\winnt\system32\ping <my computer name>
```

If this fails, ask your system manager to correct your IP settings.

The supported Orbix version is Orbix V6.1

The TAL Client now offers an exhaustive access to the TeMIP dictionary information. This information is stored in a memory cache built incrementally from application requests. To specify the size of the dictionary cache, set the variable `TAL_DICTIONARY_CACHE_MAX_ENTRIES` to the maximum number of dictionary classes kept in memory. The default value is 10.

By default the Windows tcp-ip retransmission count is low. You can increase the default value by adding a new DWORD value named `TcpMaxDataRetransmissions` in the Windows NT registry. The default value is 5. A value of 100 was used during the testing phase of the product.

The path in the registry where this new value must be added is:

```
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services  
\Tcpip\Parameters
```

Please contact Microsoft Support for more information about how the tcp-ip retransmission parameter can be tuned.

15.3.1 TAL Single sign-on

When this feature is activated, no user/password will be asked and the login will be authenticated by using a file on the server side where Window users must be registered.

The variable `TAL_SECURITY_LOGIN` should be set with value:

```
TAL_SECURITY_LOGIN=UNIX
```

or

```
TAL_SECURITY_LOGIN=WINDOWS
```

or

```
TAL_SECURITY_LOGIN=
```

If set to UNIX, it uses Unix account like before. Invalid login if invalid.

If set to WINDOWS, it user must be registered on server in.

Invalid login if not there.

If the variable is not set, or set to unknown value, the default behavior is to check for Windows registered users and then try Unix account like before. If Unix fails too, Invalid login.

The following file on the TeMIP PM Server platform will be used for authentication and also to associate an Acloc security profile to the Windows user:

```
/var/opt/temip/acloc/user_profiles/temip_acloc_tal_users
```

If this file does not exist yet, copy it from the template:

```
/usr/opt/temip/acloc/files/temip_acloc_tal_users
```

Add one line per user.

```
Username:Profile: Domain:Host
```

where

```
Domain = Windows domain =
```

```
Username = login
```

```
Host = The Windows system
```

The Acloc security profile `profile_filename` will be used for this user.

`TEMIP_USER_FORMAT` variable can be set at any line to change the TeMIP user

associated to TeMIP calls (appears in the monitored by field of OC).

Possible values are:

```
(1) => "User"
```

```
(2) => "Domain\User"
```

```
(3) => "User@Host"
```

```
(4) => "Domain\User" or "User@Host" if no Domain
```

```
(5) => "Domain\User@Host"
```

Default format if not set is (1).

Example:

```
TEMIP_USER_FORMAT=1
```

```
jsmith:operator.profile:EMEA:pc123.temip.hp.net
```

```
ckent:admin.profile:*.hp.net
```

Syntax and examples are present in the file itself.

15.3.2 TAL Client Server Connection Configuration

Problem description (PR#9766): TAL server unable to detect TAL-client connection loss in some cases.

Problem Solution

The environment variable `TAL_ORBIX_CONNECT_TIMEOUT` is no more used (on both client and server sides).

A new environment variable **TAL_ORBIX_CHECK_ENDING_PERIOD** is controlling the sleep value in the CheckConnection() servant (default value is 2 -for 2s-). Decreasing this value will speed up the time to end the client or the server , but could increase the CPU use. This variable is available on both client and server side.

With this new design, there is no timeout to consider that the connection has been lost with the Session or Response server. A connection is considered as lost only when an exception is raised to signal a problem with the network. This means that some TCP/IP parameters should be tuned on client and server machines according the strategy.

15.3.2.1 TCP/IP Settings on UNIX Tru64

There are two separate issues on UNIX:

1. As for Windows, increase the TCP/IP re-transmission parameter to delay a network problem is considered as a connection loss. The system parameter to modify on Tru64 Unix is **tcp_rexmtmax**.

Please consult the **sys_attrs_inet** man page for more information.

2. The other issue consists in detecting that a client is no more connected after a crash or a violent power down of the computer on which it was running. In this case, the sockets stay present on the Unix server, and by default they are never removed. If you want to detect this kind of connection loss and release information still present in the TAL Server, you must configure your Tru64 system to clean sockets that didn't end properly using the keepalive mechanism. Set the system parameter **tcp_keep_alive_default** to 1 and change the values of **tcp_keepcnt**, **tcp_keepidle**, **tcp_keepinit** and **tet_keepintvl** to tune your system according to your needs.

Please consult the **sys_attrs_inet** man page for more information.

15.4 Troubleshooting

15.4.1 Check Your IT_.... environment variables

If you get a any error Related to IT_ variables after changing the TAL server name or changing any environment variable except TEMIP_TAL/CLIENT_HOME, check your environment variables, try to restart your PC and be sure the installation of TAL was well done

Do not forget to use Temip_up_pm to be sure the environment is correctly set to use Tal.

15.5 Compatibility with previous version

The TAL client V5.1 is not compatible with a TAL server V4.X but it is compatible with either:

- TAL Server V5.0 Maintenance Release Patch L4P4 on Sun Solaris
- TAL Server V5.0 Maintenance Release Patch L4P4 on HP/UX
- TAL Server V5.0 Maintenance Release Patch L1P4 on Tru64

15.6 Launch tool to start a TeMIP Client application

Tools are available to launch applications that required the TAL; They are called `Temip_up_pm`, `Temip_up_pm_console` and `Tal_launch`. They are installed with the kit `TeMIP Access Library for Windows`.

`Temip_up_pm`, `Temip_up_pm_console` and `Tal_launch` have the same behavior. `Temip_up_pm` (or `Temip_up_console`) will at least replace `Tal_launch`, which is only in this distribution for compliance with other applications but it is considered as an obsolete application.

15.6.1 Use of `Temip_up_pm` tool

Environment variables `IT_*` have been renamed to `TAL_IT_*` to support several versions of TAL on the same PC. The new tool creates dynamically the environment for the TeMIP Client using the TAL runtime provided with the TeMIP Client.

The orbix runtime path has also been removed from the system PATH and `Temip_up_pm` adds this path dynamically.

Syntax:

`Temip_up_pm` [/noenv] [/nopath] application

Where:

`/noenv` : do not overwrite the environment variables (`IT_*`)

`/nopath` : do not overwrite the system PATH with the Orbix runtime

Application: the application to launch with its usual parameters

It is necessary to rename the `Temip_up_pm` application with the launched application name.

How to rename the `Temip_up_pm` with the launched application name (For example `TeMIPClient`): Rename `TeMIPClient.exe` to `TeMIPClient_bin.exe`. Rename `Temip_up_pm.exe` to `TeMIPClient.exe`. Double clicking on the `TeMIPClient.exe` will automatically launch the TeMIP Client. It is also possible to use it on the command line.

Syntax:

`TeMIPClient` [/noenv] [/nopath] [application arguments...]

Where:

`/noenv` : do not overwrite the environment variables (`IT_*`)

`/nopath` : do not overwrite the system PATH with the Orbix runtime

Application arguments: application usual parameters

You can also duplicate all `TAL_IT*` environment with the old name, and add manually the path to the Orbix runtime to the system PATH

Default: `C:\Program Files\TeMIP Client V5.1 for Windows\Orbix Run Time`

All TeMIP Client applications and launched applications use this tool to prepare and be sure the environment is correctly set.

The launched application will inherit context from its father one. (use of pipe allowed)

15.6.2 Use of Temip_up_pm_console tool

Temip_up_pm_console application works like Temip_up_pm but reuses the opened windows and do not create another window to start the application and create the correct environment.

See Temip_up_pm to have more details to use it.

15.6.3 Use of TAL_Launch tool

Environment variables IT_* have been renamed to TAL_IT_* to support several version of TAL on the same PC. The new tool recreate dynamically the environment for the TeMIP Client using the TAL runtime provided with the TeMIP Client.

The orbix runtime path has also been removed from the system PATH and TAL_Launch adds this path dynamically.

Syntax:

TAL_Launch [/noenv] [/nopath] **application**

Where:

/noenv : do not overwrite the environment variables (IT_*)

/nopath : do not overwrite the system PATH with the Orbix runtime

Application: the application to launch with its usual parameters

It is also possible to rename the Tal_launch application with the launched application name. In that case, this tool permits to double click on the executable in the window explorer.

How to create an MS-Dos windows to have the TeMIP Client environment correctly set: Run “**TAL_Launch cmd**”, a new windows will be created and the environment will be set (IT_* and the path to the Orbix runtime)

How to rename the Tal_launch with the launched application name (For example TeMIPClient): Rename TeMIPClient.exe to TeMIPClient_bin.exe. Rename Tal_launch.exe to TeMIPClient.exe. Double clicking on the last one will automatically launch the TeMIP Client. It is also possible to use it on the command line.

Syntax:

TeMIPClient [/noenv] [/nopath] [application arguments...]

Where:

/noenv : do not overwrite the environment variables (IT_*)

/nopath : do not overwrite the system PATH with the Orbix runtime

Application arguments: application usual parameters

You can also duplicate all TAL_IT* environment with the old name, and add manually the path to the Orbix runtime to the system PATH

Default: C:\Program Files\TeMIP Client V5.1 for Windows\Orbix Run Time

This application creates a new process. The father process will end only at child end.

This application will be no longer used in the next versions.

15.7 Limitation

The TAL Command-line application (FCL PM like application on Windows) provided in this kit does not support all features of the FCL PM on Unix. This application is only a sample taken from the directory 'TAL Examples' from the kit TeMIP Access Library Toolkit for Windows. The main goal is to describe how to use TAL APIs.

TAL CL has the following limitations:

- No multi-partition call (show domain xxx all attr)

- Limited line edition and line recall capabilities

- No command completion

- Basic notify directive support

- No specific attribute display on show (all partitions are always displayed)

- No command-line parameters

- No logging or scripting features

- No help available

- No wildcard support for global classes

Chapter 16

Troubleshooting

16.1 TeMIP Client and TeMIP Map Editor Traces

The traces are logged in a file. This file is created in the working directory.

For the TeMIP Client, the name of the trace file is
TeMIPClient_DDMMYY_hhmmss.trace

For the TeMIP Map Editor, the name of the trace file is
TeMIPMapEditor_DDMMYY_hhmmss.trace.

where DDMMYY_hhmmss is the date and time of the application start.

Setting the Application Traces

Setting the following environment variables before the startup of the TeMIP Map Editor and TeMIP Client activates the traces.

Activate the Traces for TeMIP Client

Variable	Definition	Default
TeMIPClient_TRACE	Trace mask to activate the traces in TeMIP Client	Not Set
TeMIPMapEditor_TRACE	Trace mask to activate the traces in TeMIP Map Editor	Not Set

..._TRACE is a bit mask value.

The Low Level byte (0x000000XX) indicates the trace levels to activate
Level of Traces for TeMIP Client

Bit Number	Hexa. Value	Definition
0	0x00000001	Errors and Problems
1	0x00000002	Exceptions
2	0x00000004	Informations (verbose mode)
3	0x00000008	Function entrance
4-7	0x00000010 to 0x00000080	Reserved Trace Levels

The three High Level bytes (0xXXXXXX00) indicates the plug-in (.exe .dll .tpi) to trace.
Setting the Application Traces

Bit Number	Hexa. Value	Definition	Type
8	0x00000100	TeMIP Desktop	EXE
9	0x00000200	Launch Dll	DLL
10	0x00000400	IAL Dll	DLL

11	0x00000800	GTI (Graphic Toolkit DLL)	DLL
12	0x00001000	Management view Plug In	TPI
13	0x00002000	Map Editor	TPI
14	0x00004000	Map Viewer Plug In	TPI
15	0x00008000	Real Time Alarm Handling Plug In	TPI
16	0x00010000	History Alarm Handling Plug In	TPI
17	0x00020000	Entity Browser Plug in	TPI
18	0x00040000	Reserved	
19	0x00080000	Reserved	
20	0x00100000	Reserved	
21	0x00200000	Alarm Forwarding Plug In	TPI
22	0x00400000	Central Configuration API	DLL
23	0x00800000	Central Configuration GUI	DLL
24	0x01000000	Resync FM Plug In	TPI
25	0x02000000	Filter Module Plug in	TPI
26	0x04000000	Filter API	DLL
27	0x08000000	Filter UI	DLL
28	0x01000000	Reserved	
29	0x02000000	Reserved	
30	0x40000000	Outage Viewer Plug In	TPI
31	0x80000000	GAT Pass-Trough Plug In	TPI

..._TRACE value is the result of the “Bitwise” of the levels to activate and of the modules to trace.

16.2 TeMIP Access Library (TAL) Traces

Setting the following environment variables before the startup of the TeMIP Map Editor and TeMIP Client activates the traces.

Table 5 Activate the Traces for TAL

Variable	Definition	Default
TeMIPClient_TRACE_INT	Trace mask to activate the tracing of the TAL accesses by TeMIP Client	Not Set
TeMIPMapEditor_TRACE_INT	Trace mask to activate the tracing of the TAL accesses by TeMIP Map Editor	Not Set

..._TRACE_INT is a bit mask value. Each bit of the value activates a type of trace if it is set to TRUE (1) and de-activates the trace if it is set to FALSE (0).

Table 6 **Level of Traces for TAL**

Bit Number	Hexa. Value	Definition
0	0x01	Verbose Mode: details on the processing
1	0x02	Error and Exceptions
2	0x04	Communication between Server and Client
3	0x08	Security
4	0x10	Traces Orbix Normal
5	0x20	More Orbix Traces

Example

If the TeMIPClient_TRACE_INT = 0x3, Errors, and Verbose traces are activated.