

# SIEMENS



## **MM8000 MP4.80** **Product Localisation** **Engineering Guide**

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# About This Document

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## Purpose

This guide provides a technical guide for localising the MM8000 software application. Individuals performing these operations are expected to have prior expertise in the field of security, at least a moderate level of familiarity with the Siemens Building Technologies product line, and experience with the installation and configuration of security management systems.

## Scope

This document applies to the MM8000 Management Station, version 4.80.

## Target audience

This documentation is intended for the following users:

- Product Managers

## Documentation resource information

The *DMS8000 Documentation Resource Information and Glossary Guide* assembles important information regarding documentation resources. This document contains the following:

- Comprehensive definitions of the target audiences for Siemens FS DMS documents
- Training program information including the Siemens intranet link
- A complete list of all available DMS8000 documents
- Instructions for how to obtain a document via the Siemens intranet using the Siemens Asset Portal
- A map of relevant documents for each target audience group
- Customer Support links & resources
- A glossary containing definitions of all terms and acronyms used in DMS8000 documentation

To access the *DMS8000 Documentation Resource Information and Glossary Guide* (document no. A6V10089056), go to the link and follow the document search instructions below:

<http://assetportal.bt.siemens.com/portal/index.html>

1. In the Search column on the left, set:

- Segment: **04 Fire -3F**
- Document Type: **All**
- Image Type: **All**
- Advanced search criteria: Select **Brochure No.** and enter the document number to search for (e.g. A6V10062415). Alternatively, select **Title** and enter the product name (e.g. MM8000).

2. Click **Search** to start.

3. In the resulting area on the right, select the document type (e.g. Contacts, Data Sheet, etc).

For more information such as Siemens news and announcements, visit the STEP Web portal at:

<https://workspace.sbt.siemens.com/content/00001123/default.aspx>

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- Improper and/or incorrect use.
- Disregard of safety instructions in the documentation or on the product.
- Poor maintenance or a lack of maintenance.

We have checked the contents of this manual for agreement with the hardware and software described. Since deviations cannot be precluded entirely, we cannot guarantee full agreement. However, the data in this manual are reviewed regularly and any necessary corrections included in subsequent editions. Suggestions for improvement are welcome.

**Modification index**

Current version	Date	Notes
MP4.80	09.2015	Corresponds to version 4.80 of MM8000 Management Station Software. New section about Localization procedure for Web Services.
MP4.70	09.2014	Corresponds to version 4.70 of MM8000 Management Station Software. New section about Localization procedure for Web Services.
MP4.60	06.2013	Corresponds to version 4.60 of MM8000 Management Station Software. New section about localized Composer handling older database versions.
MP4.50	06.2012	Corresponds to version 4.50 of MM8000 Management Station Software. Modification to the XML editor.
MP4.40	06.2011	Corresponds to version 4.40 of MM8000 Management Station Software. Improvements to the XML editor.
MP4.30	06.2010	Corresponds to version 4.30 of MM8000 Management Station Software. In MP4.30, Catalyst V8 is supported.
MP4.20-01	09.2009	Includes a note about Catalyst Quickship V4 software that is no longer compatible with MP4.20 TTK files and is not included in the localization kit. Corresponds to version 4.20-01 of MM8000 Management Station Software
MP4.20	06.2009	Corresponds to version 4.20 of MM8000 Management Station Software
MP4.15	06.2008	Corresponds to version 4.15 of MM8000 Management Station Software
MP4.10	06.2007	Corresponds to version 4.10 of MM8000 Management Station Software
MP3.20	06.2006	Corresponds to version 3.20 of MM8000 Management Station Software
MP3.15	09.2005	Corresponds to version 3.15 of MM8000 Management Station Software
MP3.12	06.2005	Corresponds to version 3.12 of MM8000 Management Station Software
MP3.10-01	03.2005	Corresponds to version 3.10-01 of MM8000 Management Station Software
MP3.10	12.2004	Corresponds to version 3.10 of MM8000 Management Station Software
MP2.31	02.2004	Corresponds to version 2.31 of MM8000 Management Station Software
MP2.30	10.2003	Corresponds to version 2.30 of MM8000 Management Station Software

# 1 Introduction

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This is a guide to the localisation procedures for the MM8000 Management Station. It provides the following information:

- General overview of the MM8000 localisation process (Section 2 at p. 7).
- Guide for the localisation activities using Alchemy Catalyst (Section 3 at p. 12).
- Details on localising XML-DB texts using XML editor (Section 4 at p.18).
- Guide for localising and customising the MM8000 default project (Section 5 at p.28).
- Instructions about further localisation activities related to SMS and Pager character sets (Section 6 at p. 30).
- Guidelines about how to translate the on-line help files (Section 7 at p. 31).

If you encounter a problem in the localisation, or an inconsistency in this document, please let us know so that we can better document the next manual. Please contact FS DMS support.

## 1.1 What is new in this edition

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The localisation process has remained the same.

This edition includes some improvements in sections 3.2.3 at p.17 and 8.1 at p.35 about extraction and installation of localized files.

## 2 MM8000 localisation overview

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The following is a general overview of the MM8000 localisation process.

### 2.1 Localisation activity

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#### What is localisation?

MM8000 is distributed by SBT FS DMS with English texts. The activity required to translate the English texts and to customise the default settings is called **localisation**.

The MM8000 localisation process includes:

- Translation of **MM8000 system texts** used by the MM8000 user interface.



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Note: The Composer system texts cannot be translated, and can be used in English only. However, these English texts will not be visible to the final customers using the MM8000 system, unless they are authorised to access the Composer configuration environment.

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- Translation of **MM8000 configuration tool models**, which are applied to create new set of points in a MM8000 project. For example, you use configuration tool models to define the objects of a new CZ10, CS11, and so on.
- Translation of **MM8000 point property texts**. These texts describe the states of the point properties such as Alarm, Fault, and so on.
- Customisation of **MM8000 default project**, used whenever a new MM8000 configuration is started. The default project can contain text and structure customisations.
- An optional localisation of the **Pager** and/or **SMS character set** can be carried on under the supervision of the MM8000 Customer Support.
- Translation of **MM8000 on-line help texts**, a set of HTML pages that provide information about the function and usage of MM8000.
- Translation of **MM8000 Web Service texts**, a set of texts provided to web clients (web stations and mobile apps) to present events and commands.

## 2.2 File formats

MM8000 software environment contains localised texts in various types of files. These include:

- **DLL** files, which are extensions of the program files (.EXE). The MM8000 text DLLs have been merged into database files to handle via the Alchemy *Catalyst* application (see below). The file list includes (with x.yy being the software versions):
  - MM8000 MP x.yy - ENG.ttk (**system texts**)
  - MM8000 MP x.yy - Subsystem Tools ENG.ttk (**configuration tool models**)
  - MM8000 MP x.yy - Help System ENG.ttk (**on-line help texts**)
  - MM8000 MP x.yy - Webservice ENG.ttk (**web texts**)
- **XLE** files; this is the project file recognised by the XML-editor. Select it to open the XML files to translate.
- **XML** files, also indicated as XML-DB or NPS database, which contain the **point property texts**. These files can be edited with a specialised application that is part of the MM8000 software installation, namely the **XML Editor.exe** program (see below). The use of other XML editors is not recommended.
- **MDB** files (MS-Access 2000 or later), located in the MM8000 subfolder and containing a table including a list of Unicode characters and the corresponding character to substitute for SMS and for Pager messages. Note that modifying the standard character mapping in these files requires adequate technical skill and a specific knowledge of the SMS or Paging system in use.
- **On-line help** files, containing the MM8000 project used to start a new Composer configuration (see Fig. 1 below). The default project can contain any customisation, including texts, a basic structure tree, example maps, and so on.
- **Default.bak** file, containing the MM8000 project used to start a new Composer configuration (see Fig. 1 below). The default project can contain any customisation, including texts, a basic structure tree, example maps, and so on.

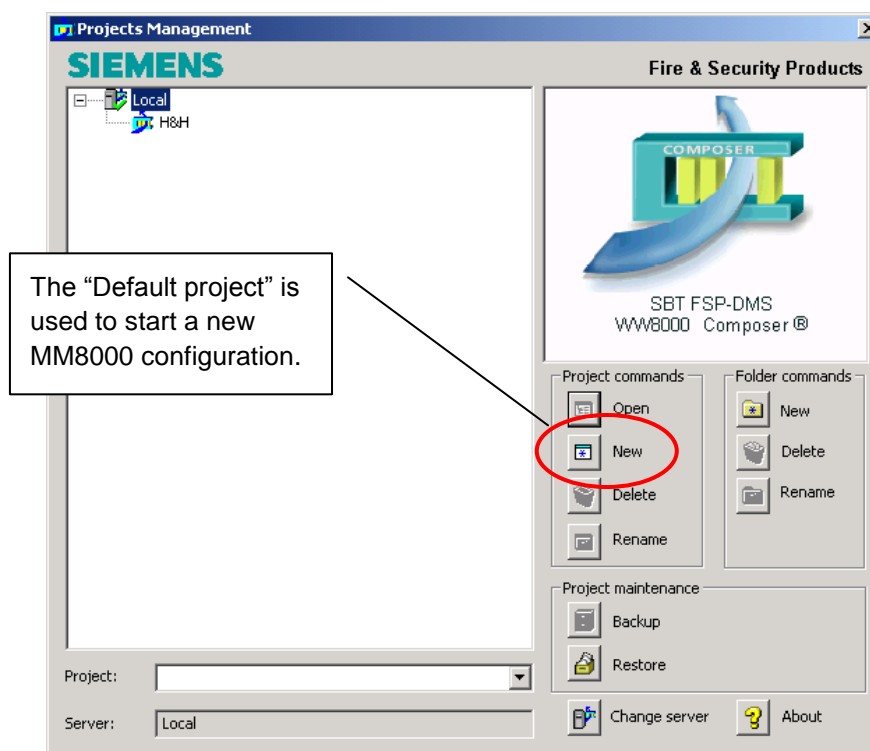


Fig. 1 Default project



## 2.3 Localisation toolkit

The MM8000 localisation is supported by a toolkit that is provided upon request. The toolkit is distributed in the MM8000 DVD and includes the files illustrated below:

Name ^	Date modified	Type	Size
Default Project	28/08/2014 09:19	File folder	
MM8000	28/08/2014 09:19	File folder	
Xml files	28/08/2014 09:20	File folder	
AllSubsystem.txt	27/08/2014 04:50	Text Document	5 KB
Build ZIP File.exe	27/08/2014 04:50	Application	81 KB
DUNZIP32.dll	27/08/2014 04:50	Application extension	95 KB
DUZOCX32.OCX	27/08/2014 04:50	ActiveX control	69 KB
DZIP32.dll	27/08/2014 04:50	Application extension	122 KB
DZOCX32.OCX	27/08/2014 04:50	ActiveX control	72 KB
Help.txt	27/08/2014 04:50	Text Document	1 KB
LANG-DEF.ZIP	27/08/2014 14:07	zip Archive	16.697 KB
MFCANS32.DLL	27/08/2014 04:50	Application extension	156 KB
MM8000 Languages.ini	27/08/2014 04:50	Configuration settings	6 KB
MM8000 MP 4.70 - ENG.ttk	27/08/2014 09:28	TTK File	3.941 KB
MM8000 MP 4.70 - Help System ENG.ttk	27/08/2014 10:57	TTK File	14.766 KB
MM8000 MP 4.70 - SubSystem Tools ENG.ttk	27/08/2014 12:25	TTK File	1.062 KB
MM8000 MP 4.70 - Webservice ENG.ttk	27/08/2014 13:22	TTK File	3.938 KB
MM8000 XML Editor.exe	27/08/2014 04:50	Application	297 KB
Oc30.dll	27/08/2014 04:50	Application extension	626 KB
Version.txt	27/08/2014 04:50	Text Document	1 KB

Fig. 2 Toolkit files

Localisation toolkit files	Contents
A <DIR> Default Project	Subfolder containing the MM8000 Composer project used to start a new configuration.
B <DIR> MM8000	Subfolder containing the SMS and Pager character set files. Namely: <b>\\Server\mappingUcs2Gsm.mdb</b> and <b>\\Server\mappingUcs2Pager.mdb</b> . After the Catalyst data compilation, the same folder will include the text DLL extracted from Catalyst database. <b>Note:</b> the <b>MM8000 SubSystem Tools</b> folder will also be created by the compilation procedure.
C <DIR> xml files	XML-DB (for NPS server) containing the MM8000 texts for point properties.
D AllSubsystem.txt	List file including the subsystem tools.
E Build ZIP file.exe and DLL and OCX files	Application to create the installable text set (LANG-zzz.ZIP). <b>Note:</b> the application also requires DLL and OCX files.
F Help.txt	List file including the on-line help modules.
G MM8000 MP x.yy - Subsystem Tools ENG.ttk	Catalyst data files for MM8000 Composer models texts.
H MM8000 MP x.yy ENG.ttk	Catalyst data files for MM8000 system texts.
I MM8000 MP x.yy - Help System ENG.ttk	Catalyst data files for MM8000 on-line help.
J MM8000 MP x.yy – Webservice ENG.ttk	Catalyst data files for MM8000 web services.
K MM8000 - XML Editor.exe	XML editor application. It is used to localise the XML-DB.

Tab.1. Localisation Toolkit files

## 2.4 Localisation process checklist

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### Items needed

- A PC running Windows 2000 or XP and supporting the language you want to translate to. On the PC, check the locale setting in:  
**Start → Control Panel → Regional options → General tab/Windows locale**
- Administrator username and password for the PC.
- The DMS8000 DVD.

### Localisation checklist

1. Log in as Windows administrator.
2. Install MM8000 (refer to documents MM8000 Installation, Configuration, and Commissioning Manual and Release Notes).
3. From the MM8000 DVD, copy the Localisation Toolkit files on a new folder on the local disk. Do not use the Toolkit files on a DVD.
4. Download (if necessary) and install Catalyst (see section 3 at p.12).
5. If you have any previous MM8000 Catalyst localisation, restore and update (leverage) the older texts (see 3.2.2 at p.16).
6. Localise MM8000 system: in case of first localisation, create a new TTK file (MM8000 MPx.yy ENG.ttk → MM8000 MPx.yy ZZZ.ttk), with “x.yy” being the software version and “ZZZ” your language code.
7. Extract MM8000 texts and generate DLL files<sup>1</sup> (see 3.2.3 at p.17).
8. If you have any previous Catalyst localisation for the Composer models, restore and update (leverage) the older texts (see 3.2.2 at p.16).
9. Localise Composer models: in case of first localisation, create a new TTK file (MM8000 MPx.yy - Subsystem Tools ENG.ttk → MM8000 MPx.yy - Subsystem Tools ZZZ.ttk), with “x.yy” being the software version and “ZZZ” your language code.
10. Extract Composer models texts and generate DLL files (see 3.2.3 at p.17).
11. If you have any previous Catalyst localisation for the help system, restore and update (leverage) the older texts (see 3.2.2 at p.16).
12. Localise on-line help texts: in case of first localisation, create a new TTK file (MM8000 MPx.yy - Help System ENG.ttk → MM8000 MPx.yy - Help System ZZZ.ttk), with “x.yy” being the software version and “ZZZ” your language code.
13. If you have any previous Catalyst localisation for the web texts, restore and update (leverage) the older texts (see 3.2.2 at p.16).
14. Localise the web texts: in case of first localisation, create a new TTK file (MM8000 MPx.yy - Webservice ENG.ttk → MM8000 MPx.yy - Webservice ZZZ.ttk), with “x.yy” being the software version and “ZZZ” your language code.
15. Extract the web texts and generate DLL files (see 3.2.3 at p.17).
16. Localise the XML-DB texts (see section 4 at p.18).
17. Create the Lang-ZZZ.zip file (see Tab.1-F at p. 9), with “ZZZ” being your language code.
18. Install the language files (<installation folder>\Utilities\Language installation\Language installation.exe)  
with <installation folder> typically being **C:\Program Files (x86)**.
19. Localise the default project (see 5.1 at p. 28).
20. If necessary, localise the Pager and/or SMS character sets (see 6.1 at p.30)

<sup>1</sup> Charged Catalyst edition (see details below) is required for exporting texts into DLLs (see 3.1 at p. 11). Alternatively, you can send the translated TTK files to FS-DMS support and ask to get the DLL files that include the new texts.

21. Translate the on-line help pages (see 7.1 at p.31).
22. Create the Lang-ZZZ.zip file (see Tab.1-F at p. 9), with “ZZZ” being your language code.
23. Install the language files (<installation folder >\Utilities\Language installation\Language installation.exe).
24. Prepare a new MM8000 project in Composer.
25. Download the project.
26. Run the localised MM8000.
27. Test the localised software and possibly repeat the previous steps for refining the localisation.
28. Send to FS DMS support the final localised toolkit.
29. The Lang-ZZZ.zip file can be added to the MM8000 setup files for installing the localised texts along with software in the program installation.



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#### Handling multiple languages for web texts

Unlike other text databases, the web service texts can be installed in multiple languages and require a manual procedure. For more information, refer to section 8 on p.35.

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### 2.4.1 Localized Composer applied to multiple database versions

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The translation kit includes the Composer tool models that contain translated default point texts for the Composer configuration. When a new subsystem is created in Composer, the initial point list includes the translated texts.

When the translated tool models are installed in Composer – during the DMS8000 software setup or using the Language Installation procedure – the translated texts apply to the current database version only. Since Composer is able to handle multiple database versions, you need to be aware that older database versions will not be fully supported with localized texts. Composer is perfectly able to modify older databases, but if you add new subsystems, the related point texts will be in English.

In practise, this means that, when you add new subsystems to an older database, you need to manually localize the default point texts. While in most cases this manual translation is only required for few points, the *only real problem concerns CS11 AlgoRex EP5 control units*, which have many default descriptions (detector texts) coming from the translation kit. In such cases, we recommend using a localized Composer software of the same version as the database to expand with new units.

## 3 Localising texts using Catalyst

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This section is a guide for the localisation activities using Alchemy Catalyst.

### 3.1 Catalyst overview

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#### Alchemy Catalyst

Catalyst is an integrated translation environment by Alchemy Software ([www.alchemysoftware.ie](http://www.alchemysoftware.ie)). This application can extract (import) the texts from EXE and DLL files, and create a database file (TTK) that can be used for a comfortable translation, assisted by a guided interface and management tools.

When ready, translated texts can then be exported back to DLL/EXE files, which can be installed on a computer for testing the localised software application.

#### Catalyst editions

Catalyst is available in 4 different editions (see also the Catalyst product list in <http://www.alchemysoftware.ie/products/productline.html>). These editions are:

- **Catalyst Translator/Lite Edition** (previously called **Quickship**)  
Included in the MM8000 localisation toolkit, this edition allows for translating texts, but not for exporting them into DLL to test the localised software. In order to check the results, it is necessary to ship the TTK files to FS DMS support and wait for the exported DLL files.  
→ Catalyst Lite Edition can be downloaded free of charge at:  
<http://www.alchemysoftware.ie/translite.html>
- **Catalyst Translator/Pro**  
This edition is available for a moderate charge. This software enables you to translate the TTK text databases, export texts into DLL, and test the localised MM8000.
- **Catalyst Localiser**  
In addition to what is available in the Translator/Pro edition, the Localiser edition provides more advanced tools for easy update of text versions, and more powerful tools for task management.
- **Catalyst Developer/Pro**  
This edition can provide additional tools for creating Quickship TTK databases.



#### Important notes:

- It is recommended to use the Catalyst *Translator/Pro* or *Localiser* edition. In fact, using the Translator/Lite Edition will not permit you to immediately verify the localised software, thus ending up in a longer and possibly more costly localisation process.
  - Note that Catalyst software requires a license code that can be requested via e-mail to the Catalyst support. This is usually a fast procedure taking only one or two day's time.
  - Catalyst V7 or higher, including latest V9, can be used. For each version, **we recommend you installing latest Service Releases available at** [www.alchemysoftware.ie](http://www.alchemysoftware.ie).
-

### Training on Catalyst

Using Catalyst software is quite simple. Before using it extensively however, we recommend that you run some training sessions (Web-based lessons). These are available on the Internet at: <http://www.alchemysoftware.ie/tutorials/index.html>.

## 3.2 Localising MM8000 texts with Catalyst

### Catalyst Text Translation Kits (TTK)

The MM8000 localisation items (texts, graphic symbols, and so on) are organised in the following TTK files:

- MM8000 MP x.yy ZZZ.ttk (system texts).
- MM8000 MP x.yy - Subsystem Tools ZZZ.ttk (configuration tool models).
- MM8000 MP x.yy - Help System ZZZ.ttk (on-line help)

Note: “ZZZ” indicates the target language; English (ENG) is always available for reference.

### 3.2.1 Basic Catalyst instructions

For both TTK files (system texts and configuration tool models, see above), proceed as follows:

#### Create your own TTK files

In Catalyst, open (**File → Open**) the original TTK file (“...ENG.ttk”) and saves it (**File → Save as**) in the same folder with a new name. We recommend using the same name, and only replacing the ENG code with your own language code (e.g.: FRE for French, SWE for Swedish, etc.). See Fig. 3.



The MM8000 TTK files are provided as Catalyst V7 data format. When using the **Save As** command, *please do not change the format version of the files.*

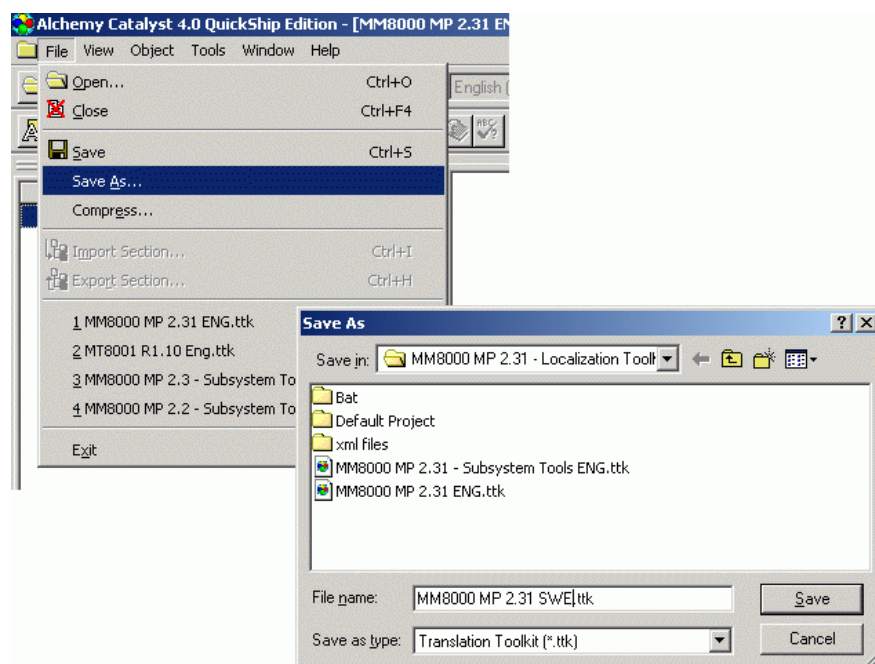


Fig. 3 Save the renamed TTK project



Depending on the Catalyst version you are using, the Catalyst user interface may or may not exactly appear as illustrated in the snapshot pictures below.

### Set target language

If you are running the Licensed Catalyst edition, then select your target language: (see Fig. 4). This is not required in the Quickship edition.



Fig. 4 Target language setting

### Navigation tree

Open the navigation tree as indicated in Fig. 5.

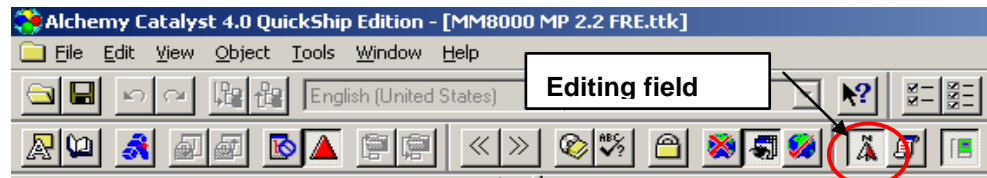


Fig. 5 Open the navigation tree

This results in a tree view being displayed on the left hand side (see Fig. 6), showing a number of resource groups. The ones indicated by the priority sign (a red triangle ▲) have to be translated.

- Texts marked with the symbol Ⓞ (reserved) must not be localised, please ignore them. Note also that the symbol may be removed and the associated text (or value) modified; you should not do that!
- Texts marked with the symbol 🔒 (locked) must not be localised either, please ignore them. Note also that the symbol may be removed and the associated text (or value) modified; you should not do that!

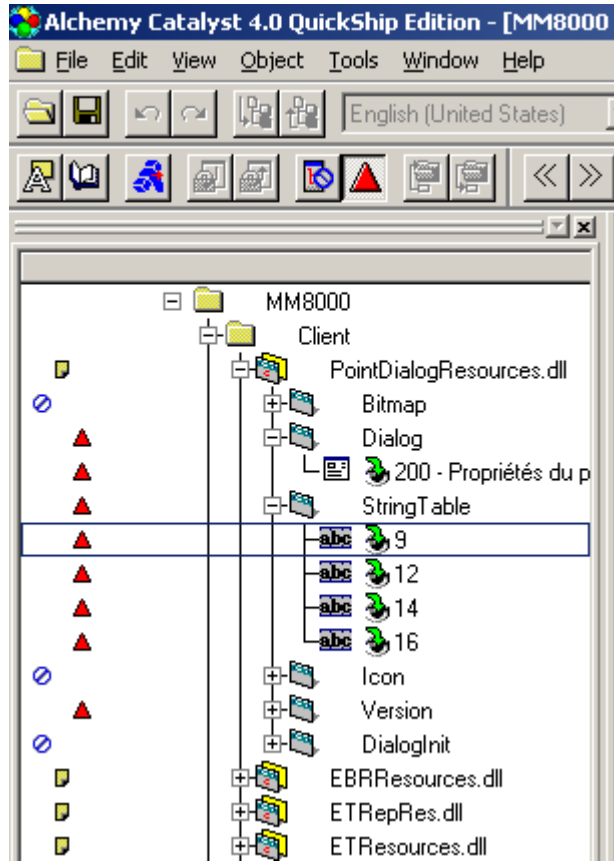


Fig. 6 Tree view in Catalyst

### Translating text strings

Select the group in the tree, and translate the individual text strings that display on the right hand side of the screen (see Fig. 7 below).

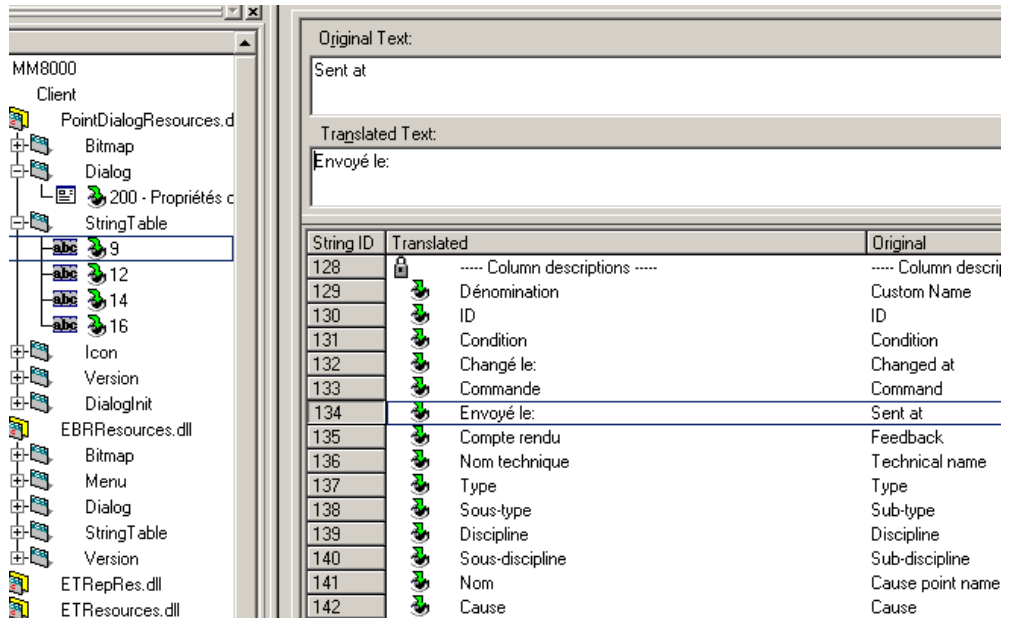


Fig. 7 Translating text strings

### How to use the spelling checker

1. Choose **Tools** → **Options** from the Catalyst menu and then the **General** tab.
2. Select your language under the **Dictionary** dropdown.

**Note:** You should also select **Perform auto checking** and **Hotkey aware**, as these options will notify you if you misspell a word while you are working, and will ignore ampersands (&) when spellchecking.

### 3. Select **OK**.

- To quickly correct any misspellings while translating, click **Edit** → **QuickSpell**, or press **F3** to display a list of suggested corrections. Double-click a correction to replace the misspelling with the selected correction.
- To check the spelling of a text string, click **Edit** → **Spell Check**, or press **F4**.

#### How to use a technical glossary

1. Choose **Tools** → **Options** → **General from the menu**.
2. Select the **Glossary** tab within the **Options** property sheet.
3. Check the box beside **Glossary 1** and select the glossary you wish to use.

**Note:** You can attach two glossaries, and you have the option to suggest from the TTK you are currently working in. You also have the option to select **Update glossary file with (TTK) translations on close of (TTK) file**. This will add new translations in your TTK to your glossary file each time you close the TTK.

While translating or editing, to ensure correct and consistent terminology for your translations, click **Edit** → **Glossary**, or press **F2** to look up recommended translation suggestions while translating or editing text strings in objects

#### Localisation of menus and dialogs

Menus and dialog windows can be translated in WYSIWYG mode (**What You See Is What You Get**). The menu and the windows display exactly as they would appear in the software application when viewed by a user (and can be adjusted). Just press **F7** or the button shown in Fig. 8.

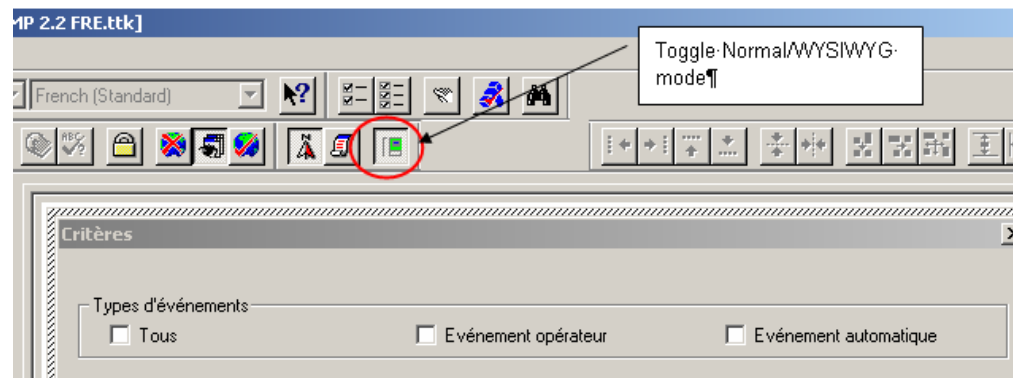


Fig. 8 Using WYSIWYG mode

#### How to enable automatic translation (replica option)

1. Choose **Tools** → **Options** → **CATALYST Experts** from the menu.
2. Select the **Replica** tab within the **Expert Options** property sheet.
3. Check the box beside **Enable Replication** and select **Interactive Replication**.

**Note:** Whenever you translate a text, the software will check whether the same string is present in another position and propose a multiple translation.

### 3.2.2 Updating texts from previous MM8000 release

Use the Leverage Expert to update the texts. Note that you will need the licensed edition of Catalyst. Proceed as follows:

1. Start Catalyst.
2. Open the new TTK in English.
3. Start the Leverage Expert command.



4. Select the previous TTK database in your own language.
5. Catalyst imports the older texts, leaving the new ones in English.

### 3.2.3 Extracting texts

---

This step is required to extract the localised texts and store them in the runtime DLL files replacing the original English texts.

Note that only the licensed editions of Catalyst are enabled to extract texts and updating DLL files

The charged editions of Catalyst also allow you to export the translated texts into the run-time DLL files. To export texts, do the following:

1. Select the top node on the tree.
2. Choose **File** → **Extract** section from the menu.

The destination directory should be the localisation folders:

- **<toolkit folder>MM8000\** for system texts  
(from file MM8000 MPx.yy - ENG.ttk)
- **<toolkit folder>MM8000 Subsystem Tools\** for configuration tool models  
(from file MM8000 MP x.yy - Subsystem Tools ENG.ttk)
- **<toolkit folder>MM8000 Help\** for online help texts  
(from file MM8000 MPx.yy - Help System ENG.ttk)
- **<toolkit file>MM8000\Server\>** for web texts  
(from file MM8000 MP x.yy - Webservice ENG.ttk)  
→ see web text installation notes in section 8.1 at p.35.

A set of localised DLL files will then be created in the folder, ready to be compressed into the language installation file.

- The language installation file (ZIP file) is created by the program described in the Tab.1-F at p. 9.

## 4 Localising point properties using XML Editor

This section deals with the localisation of the MM8000 point properties, contained in the XML database (XML-DB).

### 4.1 XML-DB

The XML-DB database is made up of several files that contain the models of the point representation of each control unit.

### 4.2 XML Editor

With the XML Editor, you can open the entire set of files and modify the text and icon information.

#### 4.2.1 Launching the editor

##### Starting XML Editor for localisation

You start the XML Editor launching **MM8000 XML Editor.exe** from the Localisation toolkit folder (see Tab.1-K at p. 9).

**Note:** the program must run under an account with administration rights.



When launched, the program takes a while before showing up on the screen.

#### 4.2.2 Working with the editor

##### XML Editor menu

The XML Editor provides a Windows-standard interface. The main menu and the toolbar are illustrated in Fig. 9.

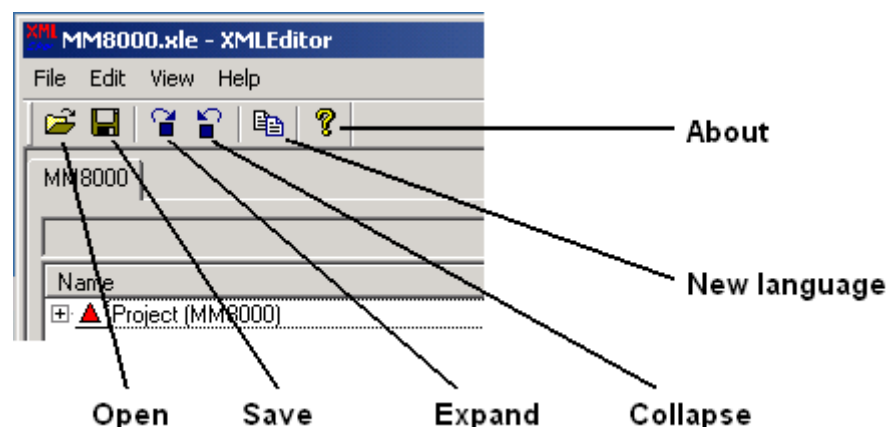








Fig. 9 XML Editor interface

The XML Editor menu includes the commands listed in the following table.

Selection ...		Toolbar	Short-cut	Command
File →	Open		-	Open XML-DB
	Save		-	Save information into XML-DB
	Import old XML	-	-	Import the localised XML-DB from a previous MM8000 release. That will be automatically updated to latest release.
	New localised language		-	Copy the original XML-DB into a new database, thus creating a new language.
	<i>Backup</i>	-	-	Compress and save the XML-DB (available for MT8001 only)
	<i>Restore</i>	-	-	Uncompress and load the XML-DB (available for MT8001 only)
	Exit	-	-	Quit XML Editor
Edit →	Expand		-	Expand the sub-tree whose root is the selected node
	Collapse		-	Collapse the sub-tree whose root is the selected node
	Replace	-	Ctrl-R	Replace a text through the entire database
	Extended replace	-	Ctrl-E	Replace a text through a selected part of the database
	Find		Ctrl-F	Find a text in the database
View →	Toolbar	-	-	Enable the toolbar, just below the menu.
Help →	About XMLEditor		-	Show the About window

Tab.2. XML Editor menu and toolbar

### XML Editor Project Tabs

The XML Editor is organised project tabs. The MM8000 Tab (Fig. 10) contains a project tree including all the control units and the associated Data Points.

Each point can include the following items:

- Symbol ID: the associated graphic symbol number.
- Physical properties: texts describing the physical conditions of the point.
- Virtual properties: texts describing the calculated conditions of the point.
- Transaction properties: texts describing the transactions related to the point.

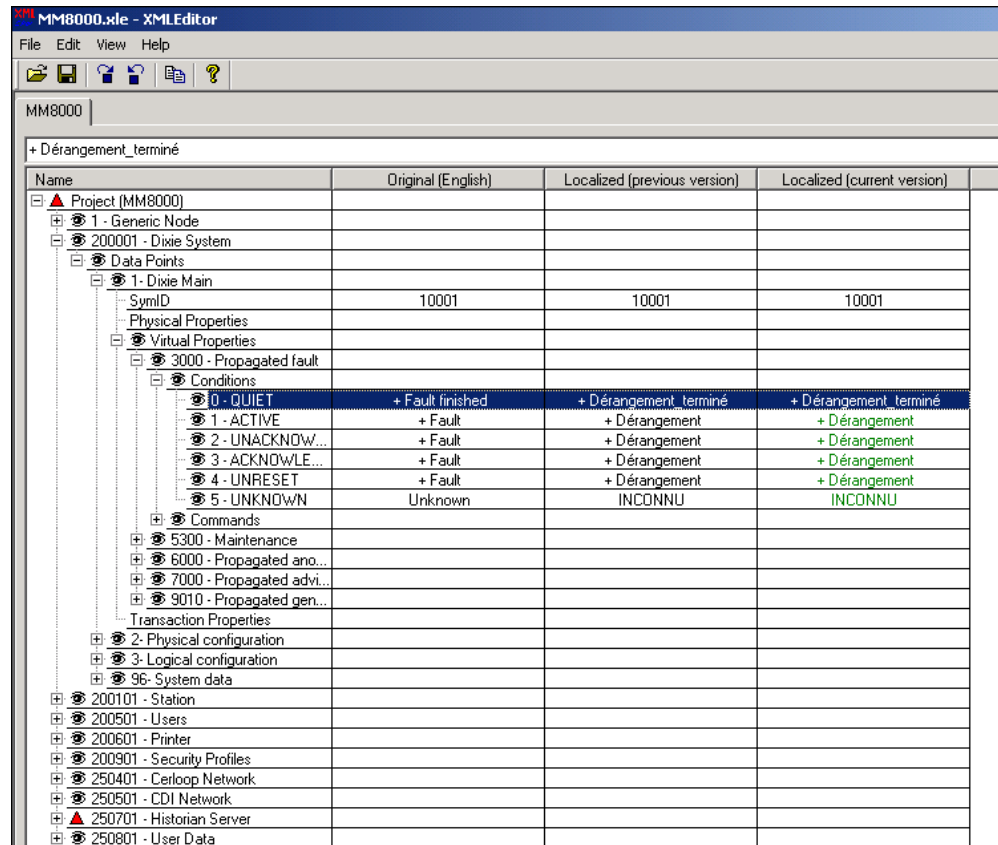


Fig. 10 XML Editor: MM8000 project tab and project tree

Information on the screen is split up in four active columns, shown in white background, which contains the following:

Title	Contents
Name	<p>For both Virtual and Physical Properties, this column lists the properties and, for each of them, its conditions and commands.</p> <p>Instead, in the Data Points tab, the subsystem list is given. Each subsystem includes the affiliated data points.</p> <p>In this column, a special icon (▲) shows up next to the name when the value has not been modified yet; then, after the translation, a new icon is used (⊗) to indicate that a final revision is required.</p> <p>The icon can be cleared by right clicking the line, and then selecting the command <b>Icon reset</b>.</p>
Original (English)	<p>Here the original property text in English is shown. This text cannot be edited.</p> <p>In case of Data Points, the original icon number is shown.</p>
Localised (previous version)	<p>This column is only used when a previous XML-DB release is imported. In this case, the previous text (or icon number) is reported here. This value cannot be edited and it is shown for reference only.</p>
Localised (current version)	<p>This column contains the localised texts (or icons) that, initially in English, are progressively translated. You can edit the text field in two ways:</p> <ol style="list-style-type: none"> <li>1) Individually: select the line and then the field in this column (use a single click). At that point, you can replace or modify the field and then press Enter to confirm (see Fig. 11).</li> <li>2) Sequentially: select the line (first mouse click) and then click on the editing field just below the menu and the toolbar (see Fig. 12).</li> </ol> <p>At that point, you can replace or modify the field and then press Enter to confirm. The program automatically moves to the next line and select the text field for</p>

editing.  
 Localised value is shown in green colour instead of black.

**Note:** Some texts are preceded by a plus sign (+), indicating that the condition is inherited from affiliated nodes (e.g. element exclusions propagated to the parent zone). In the translation, you can keep or change that type of sign.

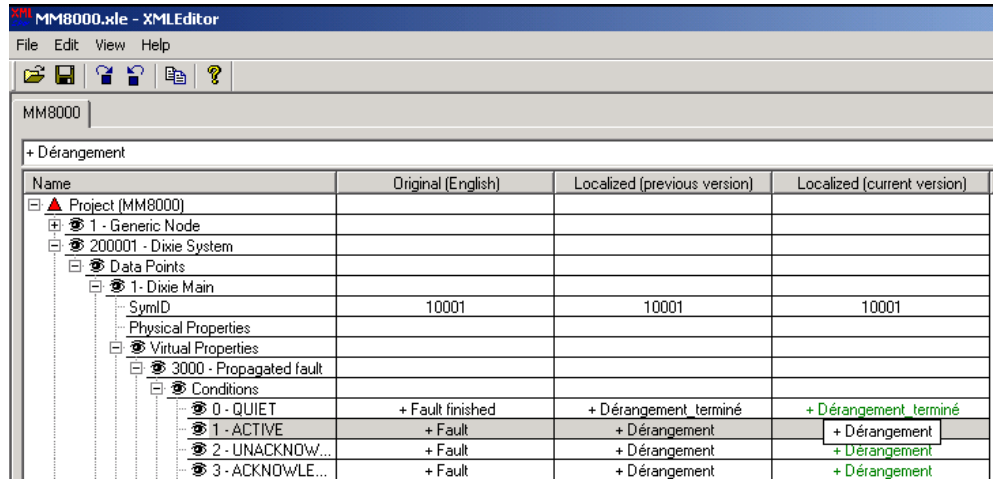


Fig. 11 Individual text editing

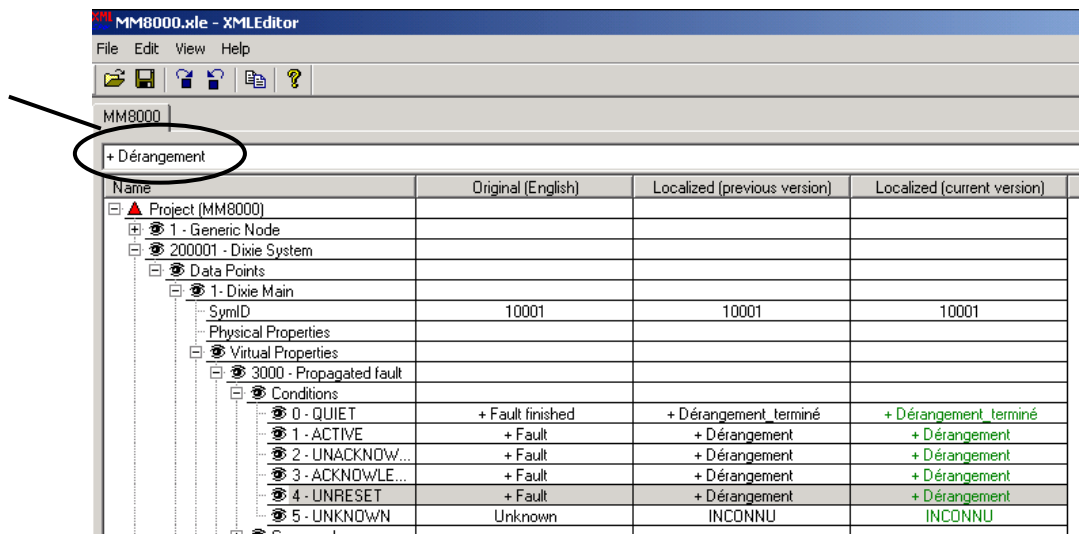


Fig. 12 Sequential text editing

### 4.2.3 Creating a new language

When starting a new localisation, you first have to copy the original XML-DB into a new database. Use the **New localised language** command and, when prompted, confirm it.

This command results in the **Localised (current version)** column being populated by texts, which are initially the same as the original English. Also, all items are marked with the *not-translated-yet* sign (▲). See Fig. 13.

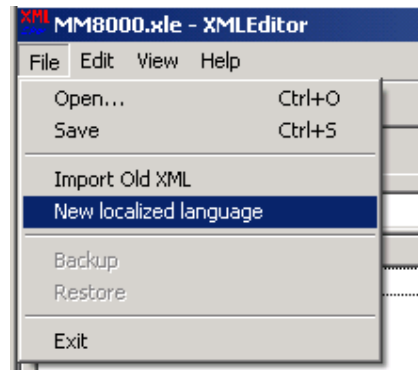


Fig. 13 Select **New localised language** to start a new localisation

### 4.2.4 Translating Properties texts

The property texts are included in three sets of nodes: Virtual Properties, Physical Properties, and Transaction Properties.

#### Virtual, Physical, and Transaction Properties

The *Virtual Properties* (formerly called Common Properties or CP) represent the calculated conditions of the safety and security objects as determined by MM8000 out of the physical conditions. The virtual condition calculation is based on algorithms both local to each object and propagating the virtual conditions along the structure tree.

The *Physical Properties* (formerly called Local Properties or LP) represent the individual conditions of the safety and security objects as mapped in the MM8000 database out of the incoming status messages. For each of them, the list of conditions, as well as the command texts should be translated.

For each Virtual and Physical Property, the text of both *conditions* and *commands* should be translated.

The *Transaction Properties* represent the individual occurrences related to Access Control (e.g. access granted). For each of them, a single text should be translated.



If you do not need a complete translation, you may limit the localisation to the properties related to the control units and data points that you actually require.

#### Translation checklist

To translate texts, you have to:

1. Select the first numbered property in the **Name** column.
2. Expand the sub-tree to show condition texts.
3. Select the first condition clicking on the line.

4. Press **F2** or click the text in the **Localised (current version)** column (individual editing, Fig. 11)  
 -- or --  
 click the editing field (sequential editing, Fig. 12).
5. Translate the text and confirm with **Enter** (Fig. 14).
6. Translate all conditions, repeating steps 3 to 5 for the other conditions.
7. Translate all commands, repeating steps 2 to 6 for all the commands.
8. Translate all properties, repeating steps 1 to 7 for all the properties.

30- Burglary zone			
31- Door monitor zone			
SymID	10404	10404	10404
Physical Properties			
Virtual Properties			
203 - Burglary alarm			
2005 - Tamper			
5005 - Disconnection			
5300 - Maintenance			
6005 - Anomaly			
7014 - Locked			
7018 - Bolt Open			
Conditions			
0 - QUIET	Bolt Open finished		Bolt Open finished
1 - ACTIVE	Bolt Open		Pêne fermé
2 - UNACKNOW...	Bolt Open		Bolt Open
3 - ACKNOWLE...	Bolt Open		Bolt Open
4 - UNRESET	Bolt Open		Bolt Open
5 - UNKNOWN	Unknown		Unknown
Commands			

Fig. 14 Editing text

### The Replace command

Most of the XML-DB fields actually contain the very same texts (e.g. Alarm, Fault, etc.). Therefore, the global replacement function offers a powerful way to translate the entire database quickly and consistently.

Just start the command **Edit → Replace** (or press Ctrl-R) and then fill in the window that shows up (Fig. 15). You can first try a single substitution (**Replace**) and then operate globally (**Replace All**).

30- Burglary zone			
31- Door monitor zone			
SymID	10404	10404	10404
Physical Properties			
Virtual Properties			
203 - Burglary alarm			
2005 - Tamper			
5005 - Disconnection			
5300 - Maintenance			
6005 - Anomaly			
7014 - Locked			
7018 - Bolt Open			
Conditions			
0 - QUIET	Bolt Open finished		Bolt Open finished
1 - ACTIVE	Bolt Open		Pêne ouvert
2 - UNACKNOW...	Bolt Open		Bolt Open
3 - ACKNOWLE...	Bolt Open		Bolt Open
4 - UNRESET	Bolt Open		Bolt Open
5 - UNKNOWN	Unknown		Unknown
Commands			
12005 - Test			
19000 - Test alarm			
Transaction Properties			
32- Hold-up zone			
33- Theft zone			
34- Duress zone			
35- Automatic fire zone			
36- Manual fire zone			
38- Building service zone			
39- User			
40- Time program			

**Replace**

Find what:  Replace

Replace with:  Replace All

Match whole word only Cancel

Match case

Fig. 15 Filling in the Replace window

After each replace execution, a report is presented that you can copy and paste including all affected lines.

### The Extended Replace command

This command (select **Edit** → **Extended Replace** or press Ctrl-E) allows for selected replacing based on various criteria:

- **Object type:** Text or SymbolID (the latter only for icons)
- **Find What/Replace With:** searching and replace texts or values
- **Scope** includes various options:
  - Subsystem and Data Point: these fields allow you to limit the replacement action to a Subsystem type or to a Data Point type of a subsystem
  - Virtual / Physical / Transaction Properties: these fields allow you to limit the replacement action to a property type only. The options available in the drop-down lists depend on the Subsystem and Data Point selection.
  - Causes/Conditions and Commands: these fields allow you to limit the replacement action to specific status or command texts.

**Note:** if you wish to modify the Causes/Conditions texts, make sure to select **None** in the Commands field. Instead, since certain commands are related to a Cause/Condition (Virtual Properties), you need to select both the Causes/Conditions and the Commands field to address a specific command text.

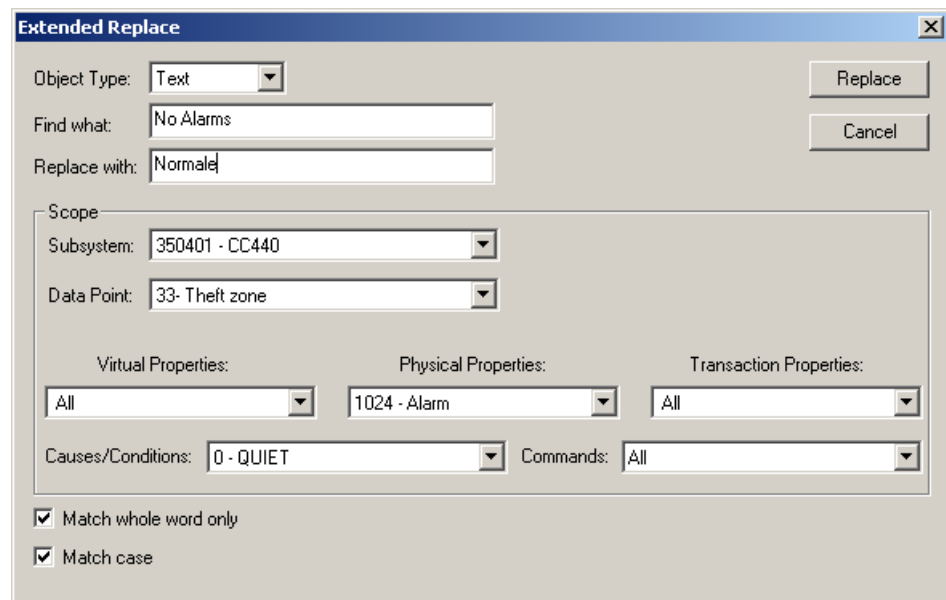


Fig. 16 Extended Replace window

After each replace execution, a report is presented that you can copy and paste including all affected lines.

## 4.2.5 Localising Data Point Icons

The Symbol ID items do not contain any text to translate and might even be ignored during the first steps of localisation. However, later on, it may turn out to be useful for modifying the icon associated to the data point. Although the icons may be customised for each project in Composer, the possibility to change some of them here allows defining general icons that will then apply to all the subsequent projects.



Note that these icons will appear in the MM8000 pages and graphic maps whenever the associated Data Point is shown. They are also used by Composer in the system structure tree.



The user interface for this function is very much the same as for the property texts. Data Points are organised in groups related to the type of units or subsystems. You will have to expand each of them, select the line and then click and modify the value in the **Localised (current version)** column.

### Icon localisation checklist

To localise icons, you have to:

1. Select a group in the Name column.
2. Expand the sub-tree and select a Data Point.
3. Select the line named **Symbol ID**.
4. Click on the value in the **Localised (current version)** column.
5. Select the new icon (Fig. 17).
6. Repeating the steps above for any other icon.

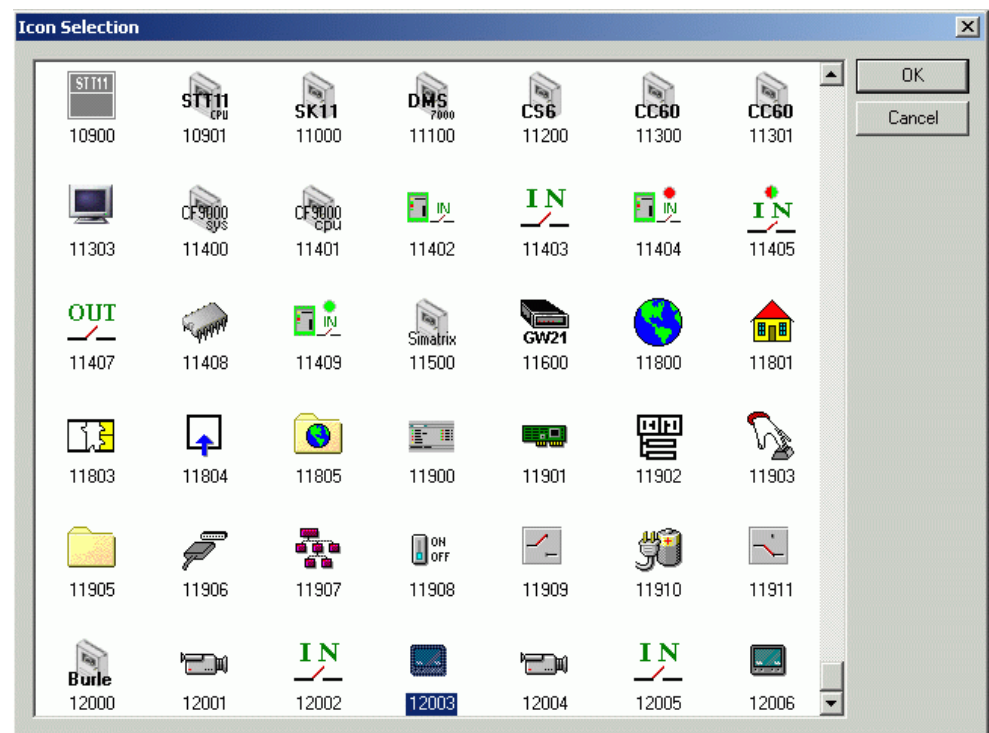


Fig. 17 Selecting a new icon

## 4.2.6 Importing XML-DB from previous MM8000 release

XML files from previous versions can be restored into latest XML editor and then integrated with the translation of new texts.

Use the editor command **File → Import old XML-DB**, then browse in the file system and select the folder containing the previous XML-DB (the folder must include the files: CPS.xml, LPS.xml, NodeTypes.xml, and TPS.xml). See Fig. 18 and Fig. 19.

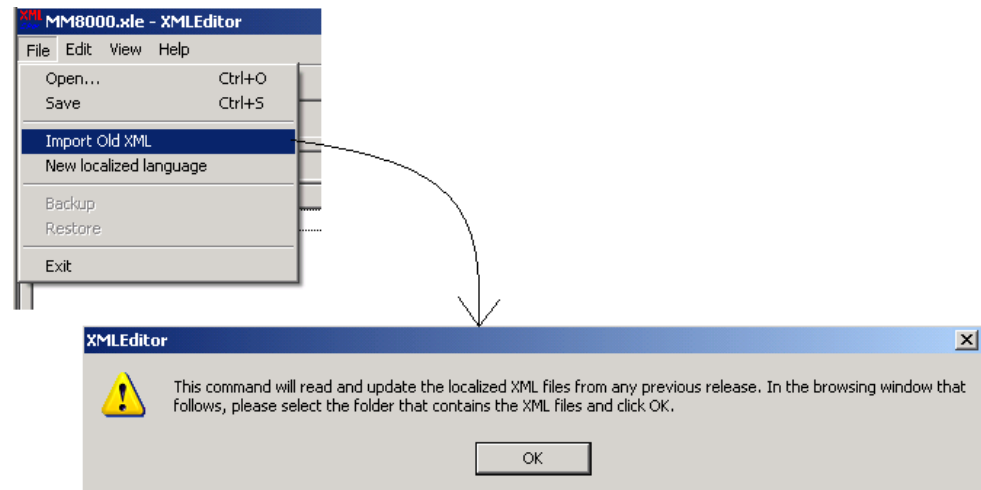


Fig. 18 Starting import procedure

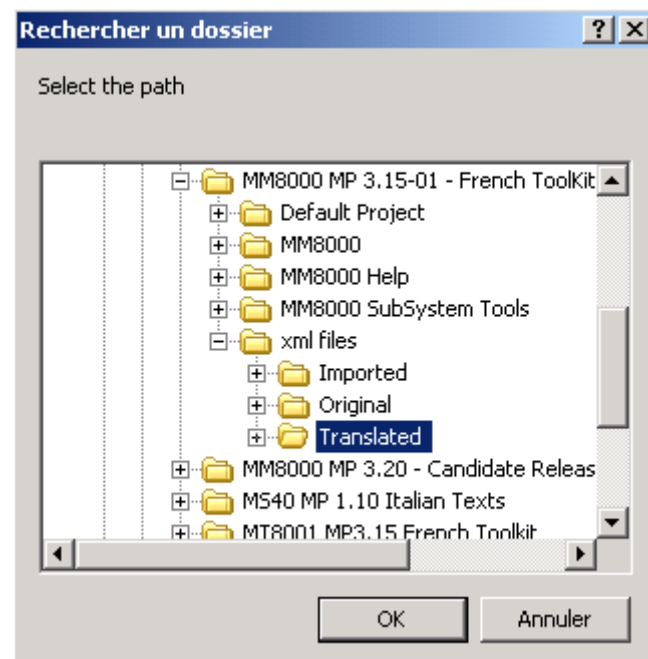


Fig. 19 Selecting folder containing old XML files

The import procedure will then process the old database and port it into the new files. Old texts are shown in the central column **Localised (previous version)** and also copied in the **Localised (current version)** as much as possible. New texts that are missing in the previous release are taken from the original database in English.

## 4.2.7 Save localised XML-DB and leave editor

---

You can close the XML editor by selecting **File** → **Exit**. There is no risk you can lose the data you just entered: upon terminating the program, a window displays like the one shown in Fig. 20.

If you want to save the changes to the XML-DB, click **Yes**; instead, if you want to discard the latest modifications, select **No**. Clicking **Cancel** results in aborting the program termination and in the editor remaining active.

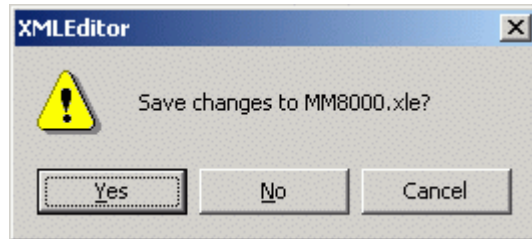


Fig. 20 Save XML-DB files

## 5 Default project

This section tells you how to localise your *default project*, which is used as starting point for any new MM8000 project.

### 5.1 Localisation of MM8000 default project

#### Default project file

The file **Default.bak** contains the project structure that is presented whenever a new project is created (see Fig. 1, at p. 8). In order to simplify the creation of a new MM8000 system, the default project already includes a number of standard objects.

After the translation and the installation of texts, you can prepare a localised project, and add any customisation you may want to use. You do this using the Composer tools.

When the project is ready, make a backup copy and rename the resulting xyz.BAK file into the **default.bak** file of the localisation toolkit. Then, run the **MM8000 Build ZIP File** utility to include the default project in the installation kit.

#### Default project localisation checklist

1. Ensure you have localised the XML-DB (see section 4, at p. 18), created the LANG-zzz.ZIP file and then installed the text using the **Language Installation** utility (see checklist in 2.4 at p.10).
2. Set Composer in Debug mode:  
Launch the utility **ST\_DebugYes.reg** available in the folder <Installation folder>\Utilities\Reg.
3. Start Composer and Restore<sup>2</sup> the standard default project included in '`...\MM8000 MPx.yy - Localisation ToolKit\Default Project\Default.bak`'.  
Alternatively, you may want restore the Default.bak project that you have customised for the previous MM8000 version and that you want now to port into the new market package. In this case, you also need to run the **Project Update** in the **User data** node (Supervision System Settings → MM8000 System → Logical Configuration → User Data).  
More information on the configuration update from previous versions is given in the MM8000 Release Notes.
4. Select the **User data** node (Supervision System Settings → MM8000 System → Logical Configuration → User Data) and, in the Node tab, launch the **Language Update** command (see Fig. 21-A).  
→ This command will import the localised texts into the project.
5. Select the **Security** node and reset to zero the parameter **Initflag** that appears in the **Children** grid (see Fig. 22-A).  
Note: You may have to scroll the grid list to the right until you reach the **Initflag** field. For easier operations, you can also select a limited number of columns: right-click on the property page and enable the desired columns in the **Properties** dialog.  
→ Setting the **Initflag** to zero will result in the default project setting the current domain (as MM8000 security domain) and user name (as MM8000 administrator) when it will be opened.

<sup>2</sup> The Composer Restore (as well as Backup) operation only works on local disk drives. Do not use network drives.

6. Translate texts of the MM8000 objects.  
 Note: Under the Security – Users - Domain node, the default User Groups should not be removed.
7. Customise the project adding folders, standard maps, users and so on.
8. Backup the project and close Composer.
9. Copy the project backup (the BAK file you just saved) in the **Default Project** folder of the localisation tool kit. Then, delete the previous default.bak file and rename the latest backup into default.bak.
10. Set Composer back in standard operation mode:  
 Launch the utility ST\_DebugNo.reg, available in the folder <Installation-Dir>\Utilities\Reg.

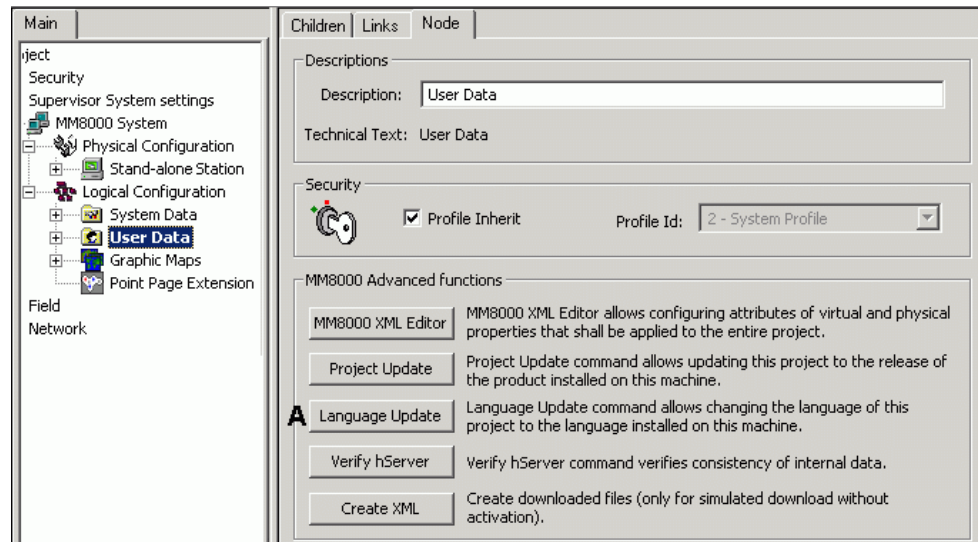


Fig. 21 Language Update (A) for default project

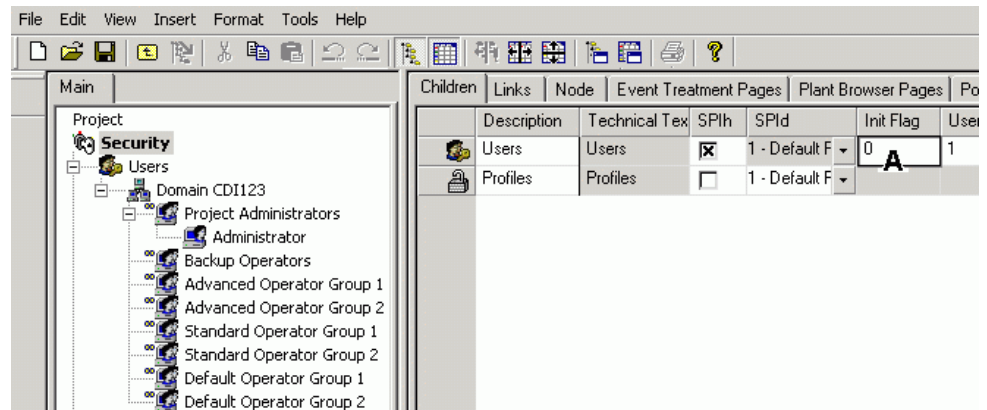


Fig. 22 Setting Initflag (A)

## 6 Further customisation activities

### 6.1 GSM and Pager character set

---

GSM and Pager devices usually handle an 8-bit character set that can create difficulties in relation with some national characters.

In order to address this problem, the MM8000 localisation kit includes two simple MS-Access files: **Ucs2Gsm.mdb** and **Ucs2Pager.mdb** (related to SMS and Pager, respectively) in order to provide the possibility to customise any number of characters in the set applied in SMS or Pager messages.

Both files are located in the “<installation folder>\Server” subfolder and contain a data table organised in 2 columns named:

- **UCS** (Unicode Character Set) and **GMS**
- **UCS** (Unicode Character Set) and **Pager**



Microsoft Access 2000 is required to open and modify the files. You can also use a more recent version of MS-Access software, in that case, however, pay attention not to modify the general data structure.

---

The characters that require a customised conversion must be present in the table both as Unicode and as the corresponding GMS/Pager code. Please refer to the GSM/Pager device documentation.

In case of problem, we recommend you to contact FS DMS customer support.

# 7 On-line help files

This section tells you how to localise the on-line help files, a set of compiled HTML files (CHM) that contain the texts provided to the MM8000 operators when they ask for help in the main menu or by pressing F1.

A Catalyst TTK is provided for the localisation of help texts, which share large part of contents with the MM8000 Operation Manual (the use of a Translation memory system is recommended to share the translation texts as well).

## 7.1 Localisation of MM8000 on-line help

MM8000 help is based on Microsoft HTML Help, the standard help system for the Windows platform. The MM8000 on-line help files are provided in the localisation toolkit in the **MM8000 Help** folder (see Tab.1-C at p. 9). The list of files translated and then exported by Catalyst includes:

#	Subfolder	Name	Contents	Type
1	01 Definition Of Terms\EventBar-01\	Index.htm	Introduction page	HTML
2	01 Definition Of Terms\EventBar-01\	EventBar-01.chm	Analytical index	CHM
3	02 Getting To Know\ PlantBrowser-02\	PlantBrowser-02.chm	Guide to the system	CHM
4	03 Open And Close\EventBar-03\	EventBar-03.chm	Login, Logout, and other operator tasks	CHM
5	04 Procedures\EventBar-04\	EventBar-04.chm	Treating an event	CHM
6	04 Procedures\PlantBrowser-04\	PlantBrowser-04.chm	Browsers operations	CHM

Tab.3. MM8000 on-line help files

### MP4.30 and later

**Important:** Note that, starting from MP4.30, the MM8000 help system has been largely reorganized so as to exactly match the corresponding Operation Manual (single-sourcing development tool). This resulted in a remarkable number of changes in the help texts.

However, assuming that a modern computer-assisted translation tool is applied to the documentation, the translation effort of the help pages can be drastically reduced by profiting of the **translation memory** stored during the operation manual translation.

### Help Menu

Starting from version MP4.30, the main help menu (table of contents), which used to be translated with Catalyst in the **Help\_System** group of the runtime MM8000 system texts (MM8000 MPn.mm ENG.ttk), is part of the on-line help texts (MM8000 MPn.mm - Help System ENG.ttk).

Note that the same main menu texts (e.g. Definition of Terms, Getting to Known and so on) must be translated multiple times. Use the “Find and Replace” Catalyst function to locate and translate all occurrences.

### Language Code

To properly create the translated CHM files, do not forget to set the proper language code in all the **hhp** sections of the MM8000 Help Catalyst project groups.

For instance:

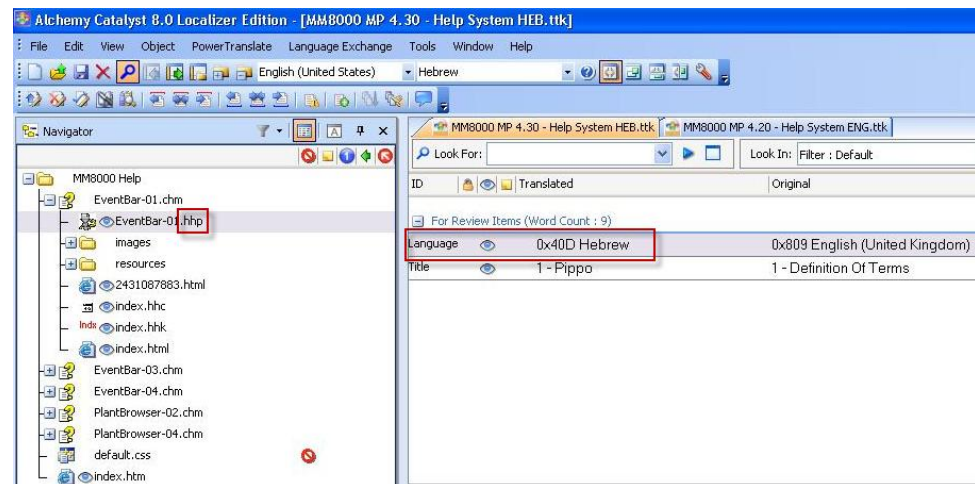


Fig. 23 Setting the language code for help groups

The table below lists the valid language codes.

Language	Code
Arabic	1 (0x1)
Afrikaans	1078 (0x436)
Albanian	1052 (0x41C)
Arabic – Algeria	5121 (0x1401)
Arabic – Bahrain	15361 (0x3C01)
Arabic – Egypt	3073 (0xC01)
Arabic – Iraq	2049 (0x801)
Arabic – Jordan	11265 (0x2C01)
Arabic – Kuwait	13313 (0x3401)
Arabic – Lebanon	12289 (0x3001)
Arabic – Libya	4097 (0x1001)
Arabic – Morocco	6145 (0x1801)
Arabic – Oman	8193 (0x2001)
Arabic – Qatar	16385 (0x4001)
Arabic – Saudi Arabia	1025 (0x401)
Arabic – Syria	10241 (0x2801)
Arabic – Tunisia	7169 (0x1C01)
Arabic – U.A.E.	14337 (0x3801)
Arabic – Yemen	9217 (0x2401)
Basque	1069 (0x42D)
Belarusian	1059 (0x423)
Bulgarian	1026 (0x402)
Catalan	1027 (0x403)
Chinese (Simplified) – PRC	2052 (0x804)
Chinese (Simplified) – Singapore	4100 (0x1004)
Chinese (Simplified)– China	4 (0x4)
Chinese (Traditional) – Hong Kong SAR	3076 (0xC04)
Chinese (Traditional) – Taiwan	1028 (0x404)
Croatian	1050 (0x41A)
Czech	1029 (0x405)
Danish	1030 (0x406)
Dutch – Belgium	2067 (0x813)
Dutch – Netherlands	1043 (0x413)
English	9 (0x9)
English – Australia	3081 (0xC09)
English – Belize	10249 (0x2809)
English – Canada	4105 (0x1009)
English – Ireland	6153 (0x1809)



Language	Code
English – Jamaica	8201 (0x2009)
English – New Zealand	5129 (0x1409)
English – South Africa	7177 (0x1C09)
English – Trinidad	11273 (0x2C09)
English – United Kingdom	2057 (0x809)
English – United States	1033 (0x409)
Estonian	1061 (0x425)
Faeroese	1080 (0x438)
Finnish	1035 (0x40B)
French – Belgium	2060 (0x80C)
French – Canada	3084 (0xC0C)
French – France	1036 (0x40C)
French – Luxembourg	5132 (0x140C)
French – Switzerland	4108 (0x100C)
German – Austria	3079 (0xC07)
German – Germany	1031 (0x407)
German – Liechtenstein	5127 (0x1407)
German – Luxembourg	4103 (0x1007)
German – Switzerland	2055 (0x807)
Greek	1032 (0x408)
Hebrew	1037 (0x40D)
Hindi	1081 (0x439)
Hungarian	1038 (0x40E)
Icelandic	1039 (0x40F)
Indonesian	1057 (0x421)
Italian – Italy	1040 (0x410)
Italian – Switzerland	2064 (0x810)
Japanese	1041 (0x411)
Korean	1042 (0x412)
Latvian	1062 (0x426)
Lithuanian	1063 (0x427)
Macedonian (F.Y.R.O. Macedonia)	1071 (0x42F)
Malay – Malaysia	1086 (0x43E)
Maltese	1082 (0x43A)
Norwegian – Bokmal	1044 (0x414)
Norwegian – Nynorsk	2068 (0x814)
Persian	1065 (0x429)
Polish	1045 (0x415)
Portuguese – Brazil	1046 (0x416)
Portuguese – Portugal	2070 (0x816)
Rhaeto-Romanic	1047 (0x417)
Romanian	1048 (0x418)
Romanian – Moldova	2072 (0x818)
Russian	1049 (0x419)
Russian – Moldova	2073 (0x819)
Scottish Gaelic	1084 (0x43C)
Serbian	1070 (0x42E)
Serbian – Cyrillic	3098 (0xC1A)
Serbian – Latin	2074 (0x81A)
Slovak	1051 (0x41B)
Slovenian	1060 (0x424)
Spanish – Argentina	11274 (0x2C0A)
Spanish – Bolivia	16394 (0x400A)
Spanish – Chile	13322 (0x340A)
Spanish – Colombia	9226 (0x240A)
Spanish – Costa Rica	5130 (0x140A)
Spanish – Dominican Republic	7178 (0x1C0A)
Spanish – Ecuador	12298 (0x300A)
Spanish – El Salvador	17418 (0x440A)

<b>Language</b>	<b>Code</b>
Spanish – Guatemala	4106 (0x100A)
Spanish – Honduras	18442 (0x480A)
Spanish – International Sort	3082 (0xC0A)
Spanish – Mexico	2058 (0x80A)
Spanish – Nicaragua	19466 (0x4C0A)
Spanish – Panama	6154 (0x180A)
Spanish – Paraguay	15370 (0x3C0A)
Spanish – Peru	10250 (0x280A)
Spanish – Puerto Rico	20490 (0x500A)
Spanish – Traditional Sort	1034 (0x40A)
Spanish – Uruguay	14346 (0x380A)
Spanish – Venezuela	8202 (0x200A)
Sutu	1072 (0x430)
Swedish	1053 (0x41D)
Swedish – Finland	2077 (0x81D)
Thai	1054 (0x41E)
Tsonga	1073 (0x431)
Tswana	1074 (0x432)
Turkish	1055 (0x41F)
Ukrainian	1058 (0x422)
Urdu	1056 (0x420)
Vietnamese	1066 (0x42A)
Xhosa	1076 (0x434)
Yiddish	1085 (0x43D)
Zulu	1077 (0x435)

## 8 MM8000 web texts

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MM8000 can support a web-based access from web stations and mobile apps. The web interface can provide client apps with the user interface texts to use in one or more languages.

You can translate and install web texts applying the standard process described in section 2.4 on p.10. However, unlike other localised components, web texts can be installed for multiple languages by applying a manual procedure described in this section.

### 8.1 Handling additional languages

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On the MM8000 server, the DLL file for web texts is:

**SiemensMobileEvents.resources.dll**

which is stored in the following folder:

**<installation folder> \DMS8000\Server\Bin\MM8000WebService\bin\en-US**

with “installation folder” typically being “C:\Program Files (x86)”

In case of a single language, the DLL file is extracted from Catalyst and stored in the folder: **<toolkit folder>\MM8000\Server\** for the ZIP creation. The language installation procedure automatically creates a new destination folder.

The localised DLL file for an additional language must be translated, extracted and installed separately. The file will have the same name *SiemensMobileEvents.resources.dll* and must be stored on the MM8000 Server in a sub-folder named according to the *language+locale* language tag standard: **it-CH** for Swiss Italian, **nl-NL** for Dutch, **fr-BE** for Belgian French and so on. For example:

**<installation folder> \DMS8000\Server\Bin\MM8000WebService\bin\fr-BE**

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Section 8