User Manual of DosiFFR

Reference	Date	Version
DOC004762EN-A	01/04/2015	1.1

Software installation

Requirements

- 1.2Ghz processor dual-core
- 32 or 64 bits
- 2GB RAM
- 10GB free disk space
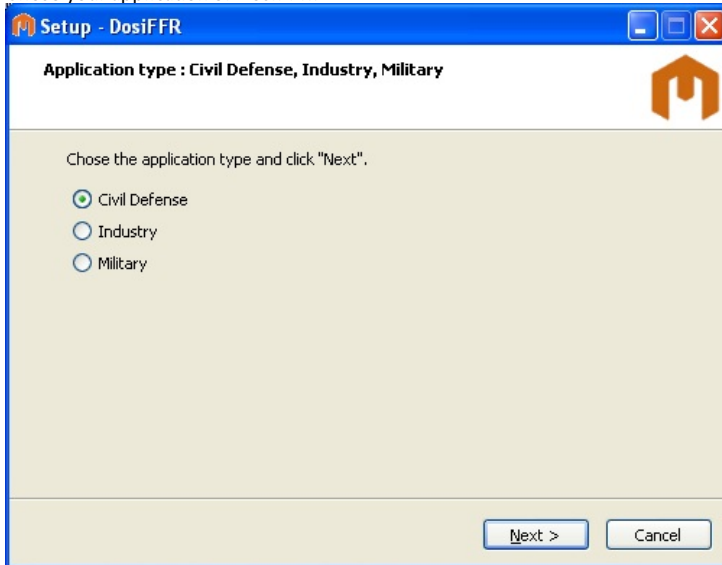- Windows XP or Seven

Compatibility

- Readers :
    - LDM 220
    - LDM 320
- Dosimeters :
    - DMC 2000 S,X,XB,GN
    - DMC 3000, DMC 3000 Beta et DMC3000 Neutron
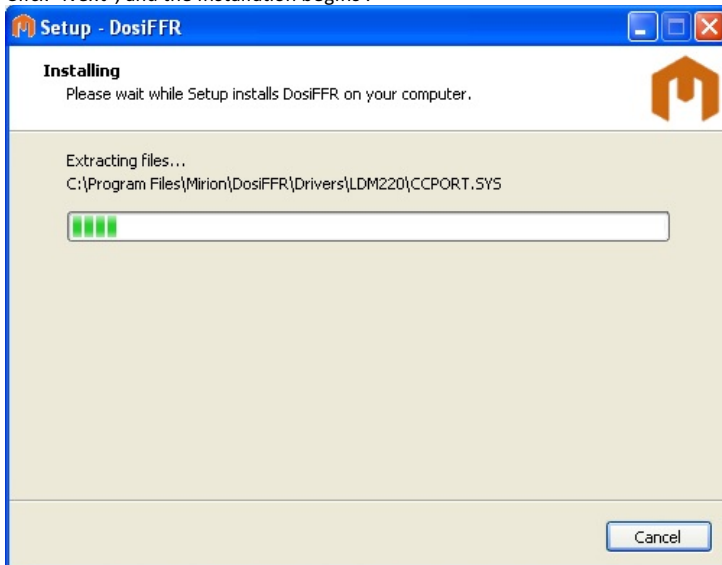   - SOR/R, SOR/RF

Installation Procedure

The reader has to be connected after the installation.

Launch the setup file.

Chose your application of DosiFFR:

Setup - DosiFFR

Application type : Civil Defense, Industry, Military

Chose the application type and click "Next".

- ⦿ Civil Defense
- ◯ Industry
- ◯ Military

[Next >]   [Cancel]

Click "Next", and the installation begins :

Setup - DosiFFR

Installing
Please wait while Setup installs DosiFFR on your computer.

Extracting files...
C:\Program Files\Mirion\DosiFFR\Drivers\LDM220\CCPORT.SYS

[Cancel]

When done, the setup may ask to restart the computer.

After restarting, connect the reader.

Main screen

Several screens are made of data grids: Using Data Grids

The connection status of the reader can be controled from the main window: see Reader Status

Click the "Exit" button to close the application.

Click one of the buttons to access the corresponding screen:

- Global Settings

- Individuals Management

- Profile Management

- Import / Export

- Issue a Dosimeter

- Return a Dosimeter

Reader connection status

If the dosimeter reader is not connected or not installed,the status at the bottom of the screen is set to "Not connected" and the visual indicator is gray.

The "Issue a Dosimeter" button and the "Return a Dosimeter" button are disabled:
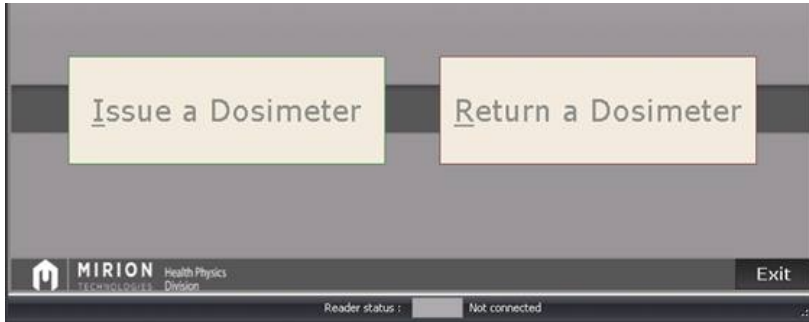
If the dosimeter reader is installed and connected, the status is set to "Connected" and the visual indicator is blue.
The "Issue a Dosimeter" button and the "Return a Dosimeter" button are enabled:
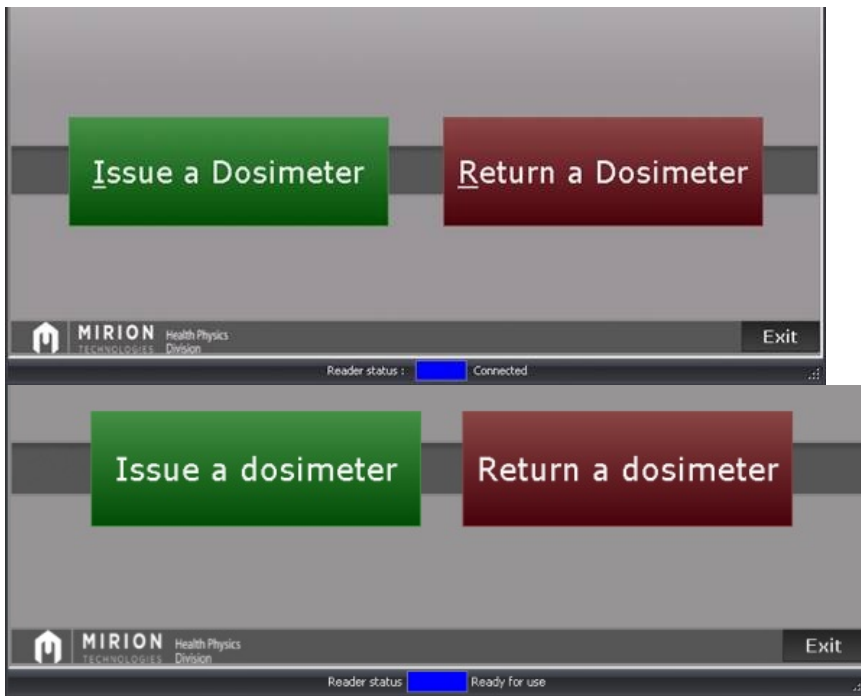
If the DosiFFR engine is trying to connect the dosimeter reader, the status at the bottom of the screen is set to "Under Control"and the visual indicator is orange:

If the dosimeter reader is running, the status at the bottom of the screen is set to "Running"and the visual indicator is green:
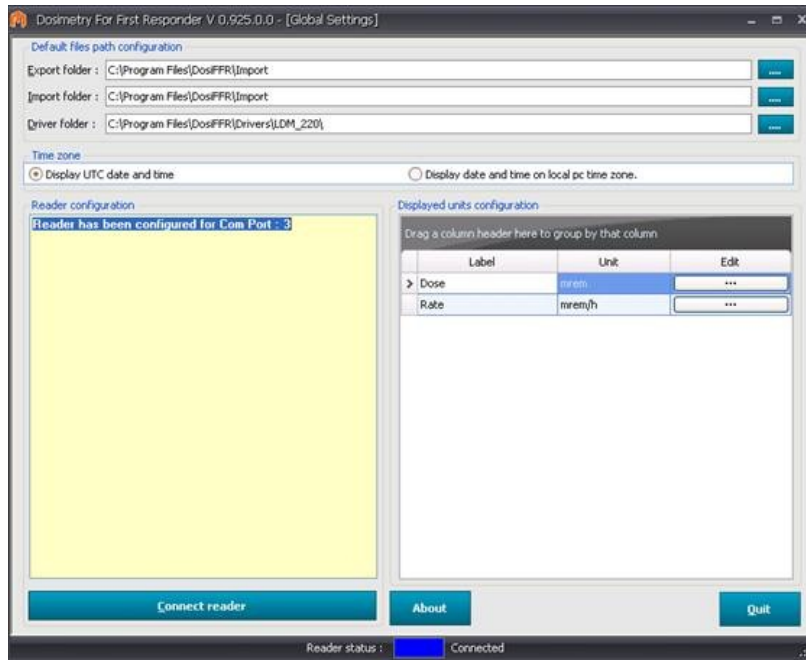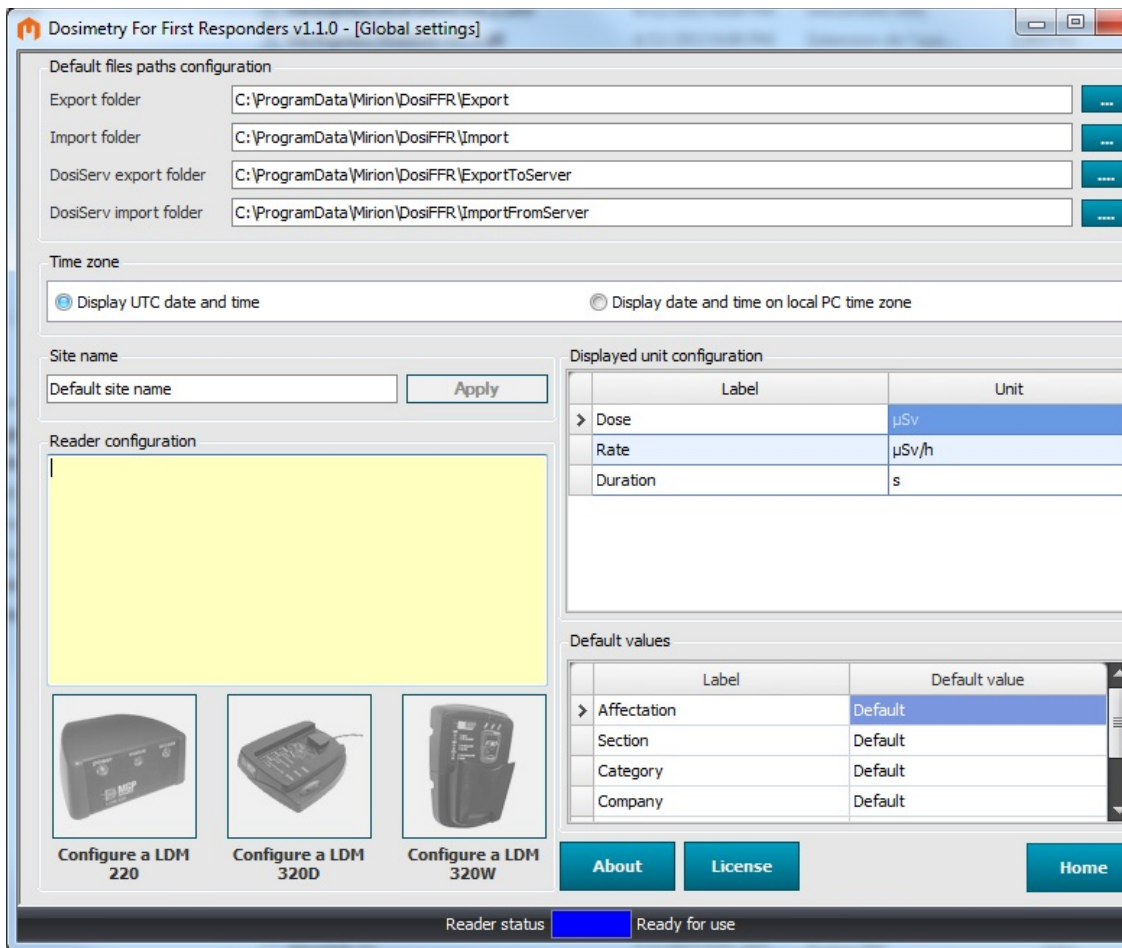
Global Settings screen

This screen allows you to configure global application settings:

- Default folders

- Site name

- Display format for date and time

- Display units for dose and rate data

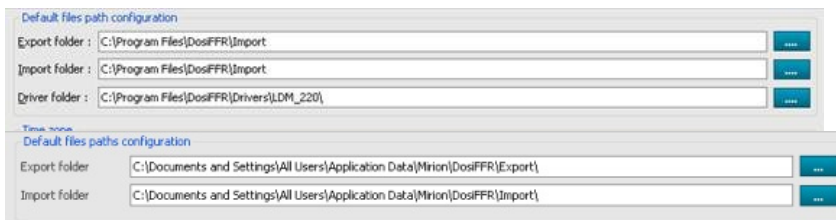- Reader configuration

- Default values

- License management

Folders configuration

This section allows to set:

- the destination folder of personnel export and profile export ,

- the default source folder of data import.

- the destination folder of DosiServ export and DosiServ import ,

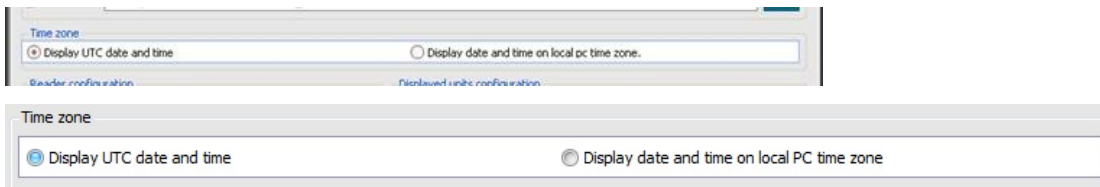To change one of these folders, click the corresponding [....] button, the following popup is displayed:
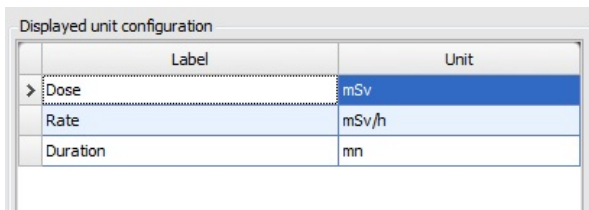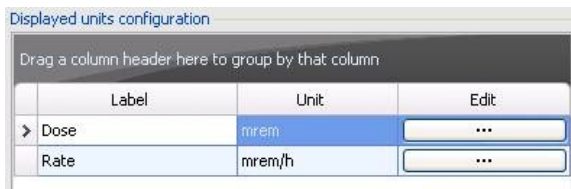
Choose the folder and click "OK".

Time zone configuration

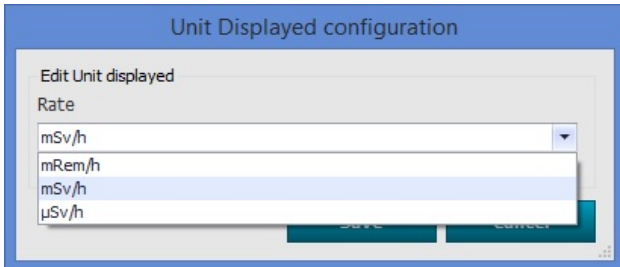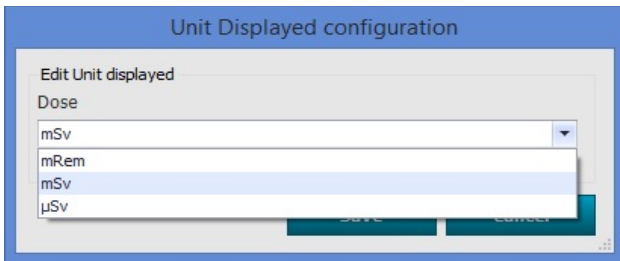This section allows to change the displayed time zone:

Units

To change the displayed units for doses and rates **(system displayed units, not dosimeter displayed units),** double-click the corresponding line :

Label	Unit	Edit
Dose	mrem	...
Rate	mrem/h	...

Displayed unit configuration

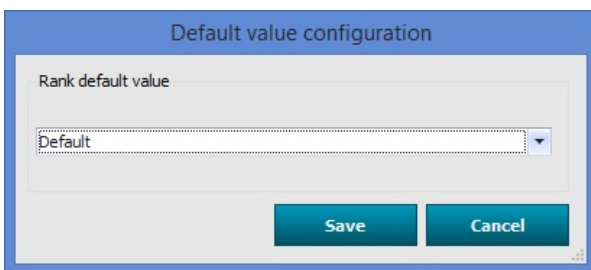| Label	Unit
Dose	mSv
Rate	mSv/h
Duration	mn

One of the following popups will appears:

Choose the desired unit and click "Save" to validate your choice.

Default values

To change the default value of affectations, sections, functions, companies or categories, double click on the corresponding row :
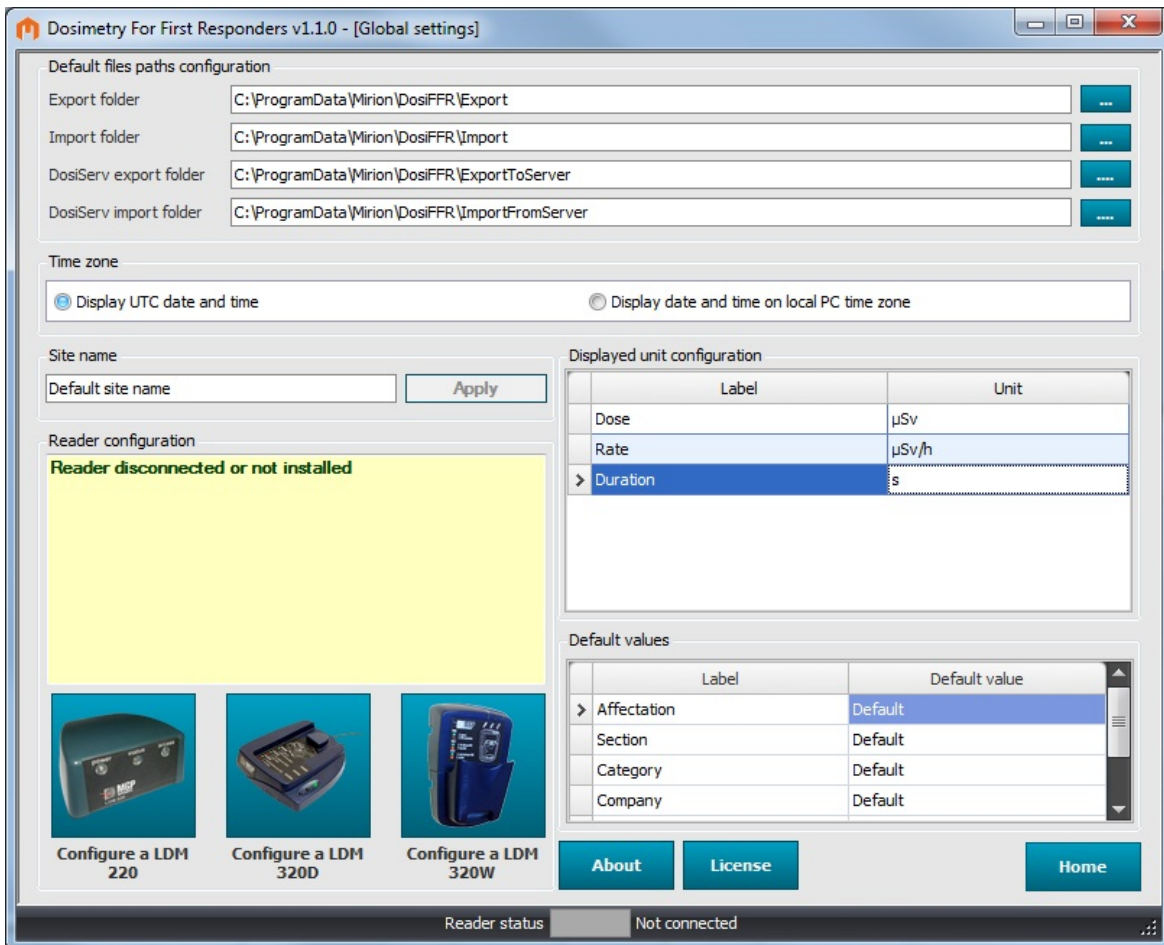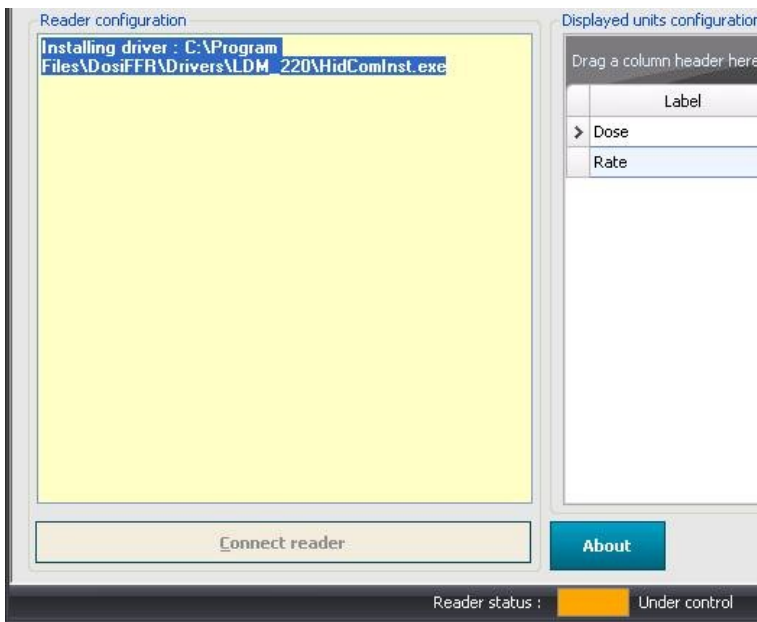

The following window will appears:

Choose the desired value and click "Save" to validate your choice.

Reader driver

The reader driver must be installed in order to run properly the reader. Plug the reader into an USB port and click the appropriate "Configure a reader" button :

Reader configuration

Installing driver : C:\Program Files\DosiFFR\Drivers\LDM_220\HidComInst.exe

Connect reader

Displayed units configuration

Drag a column header here

Label
Dose
Rate

About

Reader status : Under control

Dosimetry For First Responders v1.1.0 - [Global settings]

Default files paths configuration

Export folder	C:\ProgramData\Mirion\DosiFFR\Export
Import folder	C:\ProgramData\Mirion\DosiFFR\Import
DosiServ export folder	C:\ProgramData\Mirion\DosiFFR\ExportToServer
DosiServ import folder	C:\ProgramData\Mirion\DosiFFR\ImportFromServer

Time zone

○ Display UTC date and time   ○ Display date and time on local PC time zone

Site name

Default site name   Apply

Reader configuration

Reader disconnected or not installed

Configure a LDM 220   Configure a LDM 320D   Configure a LDM 320W

Displayed unit configuration

Label	Unit
Dose	µSv
Rate	µSv/h
Duration	s

Default values

Label	Default value
Affectation	Default
Section	Default
Category	Default
Company	Default

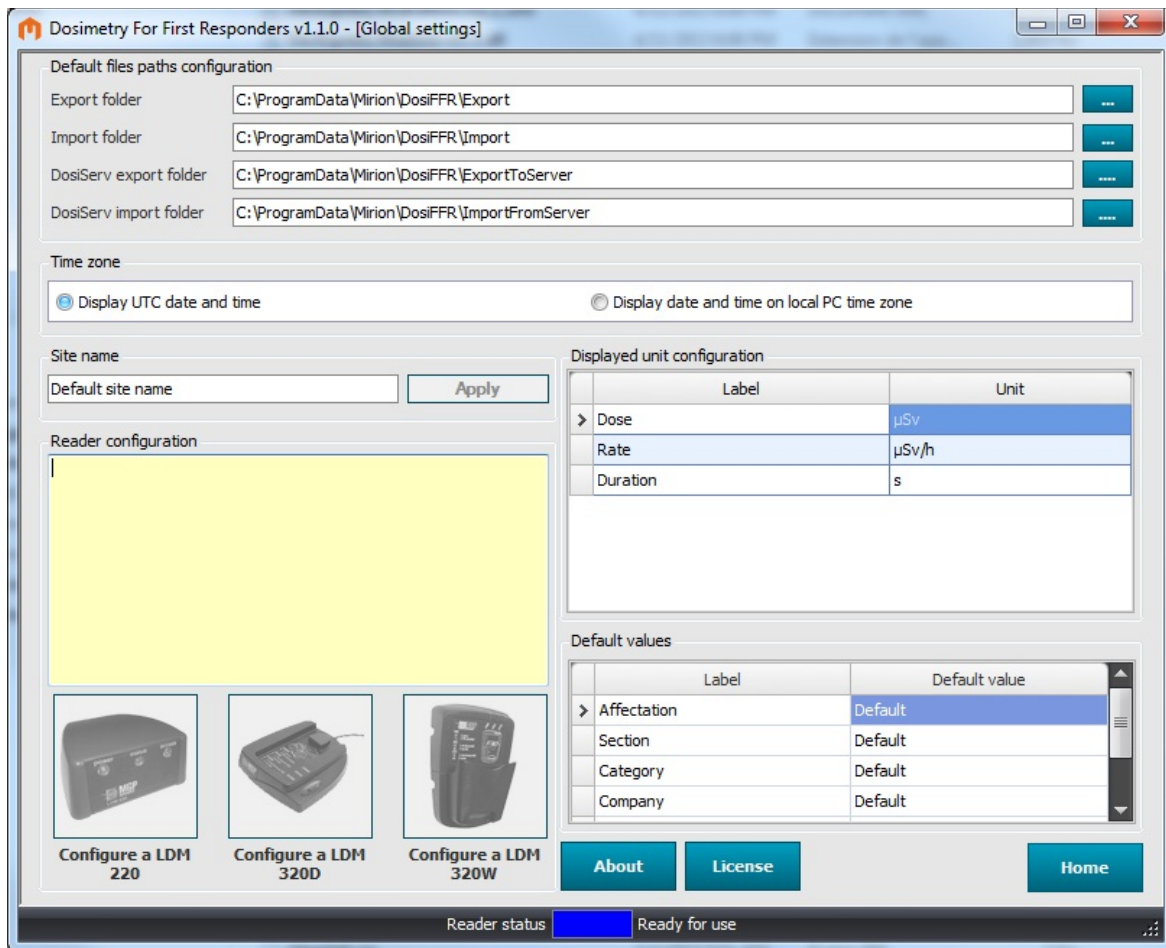About   License   Home

Reader status   Not connected

In the case of a LDM 220 driver, after a few seconds, the following window appears, click "Continue Anyway" to keep on installing the driver:

The driver is now installed, the reader is ready to be used. The reader status at the bottom of the main window is set to "Connected":
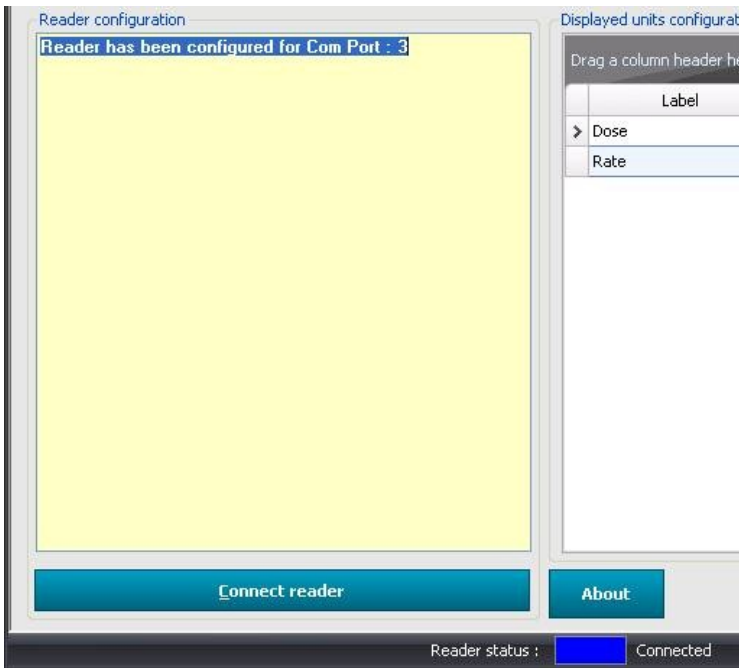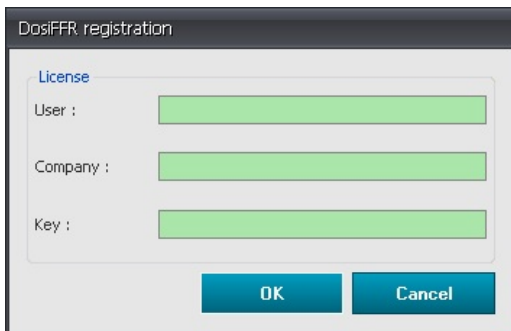
Remark : if the reader has already been installed, just plug it in, on the same usb port and wait for a few seconds, the DosiFFR Engine will detect and connect it automatically.

License management

After having been installed, the software need registering. Click the "License" button to access the registration window:

If the fields are empty, the registration offers a very limited access to the software: only the Global Settings screen is available from th main screen:

When entering a license, the fields are red-backgrounded when the license is not valid, and switch to green when valid:
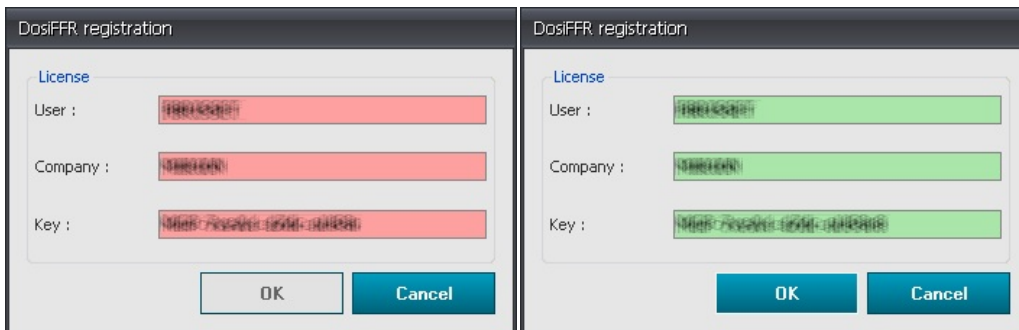
Click "OK" to validate.

All the functionalities of the main screen become available.

Individuals Management screen

This screen allows you to manage individuals and associated affectations.

Remark: Every management operation is done within the data grid. Refer to the "Data Grids" chapter to see how to use them.

Individuals Management

Use this screen to manage the individuals (add/modify/delete):
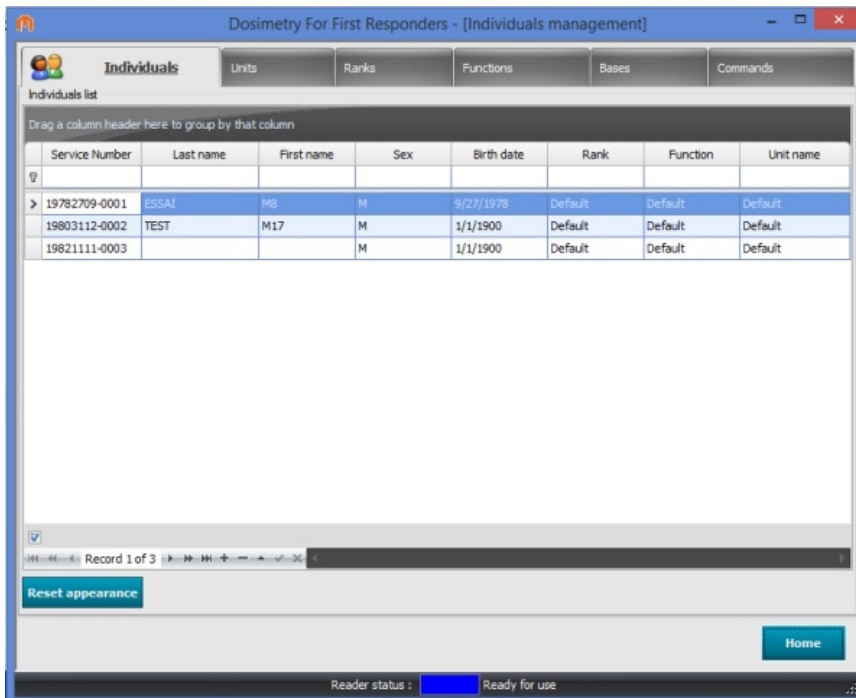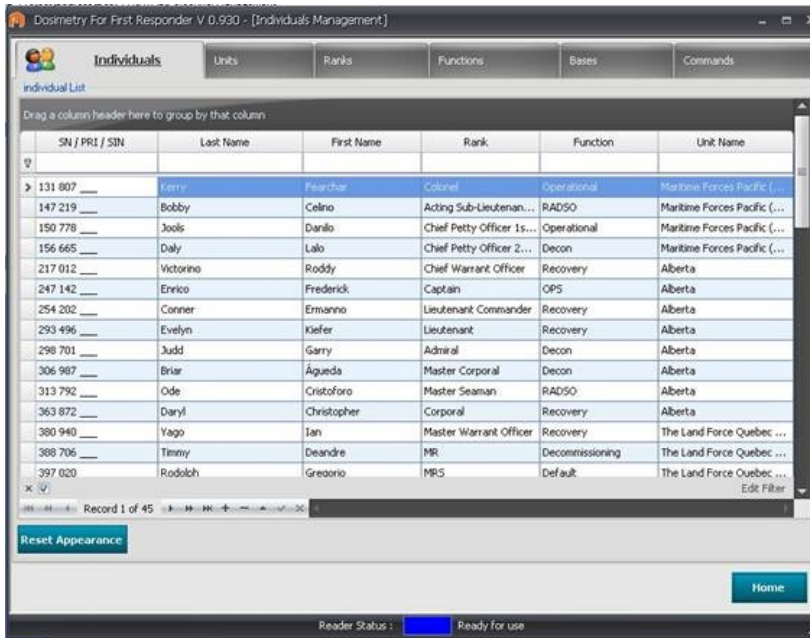
The "Service Number" field is mandatory.

Special characters are forbidden for all other fields.

Note : only in France and when using DosiFFR with DosiServ to centralize data, the "Service Number" has to be the social security number (DosiServ is used to generate IRSN files and the worker is identified by his social security number).

Units Management

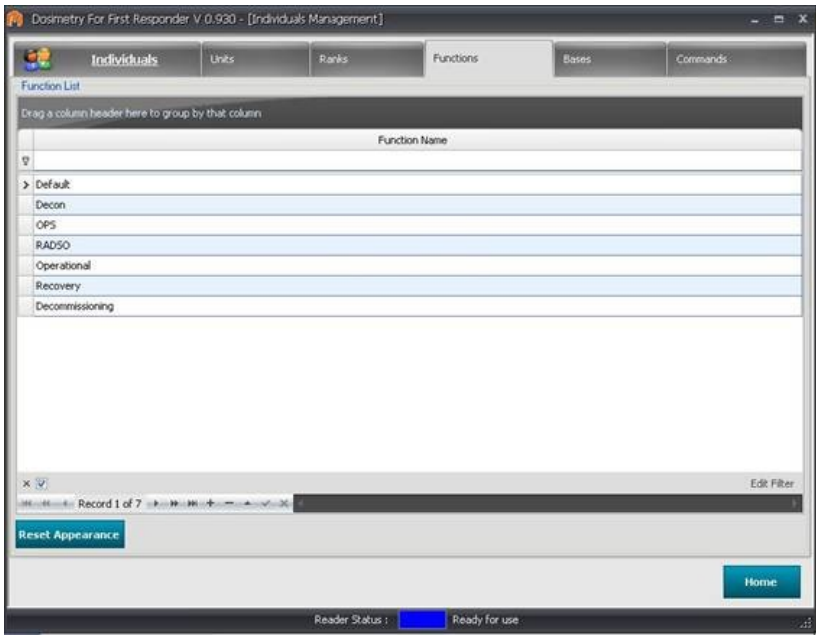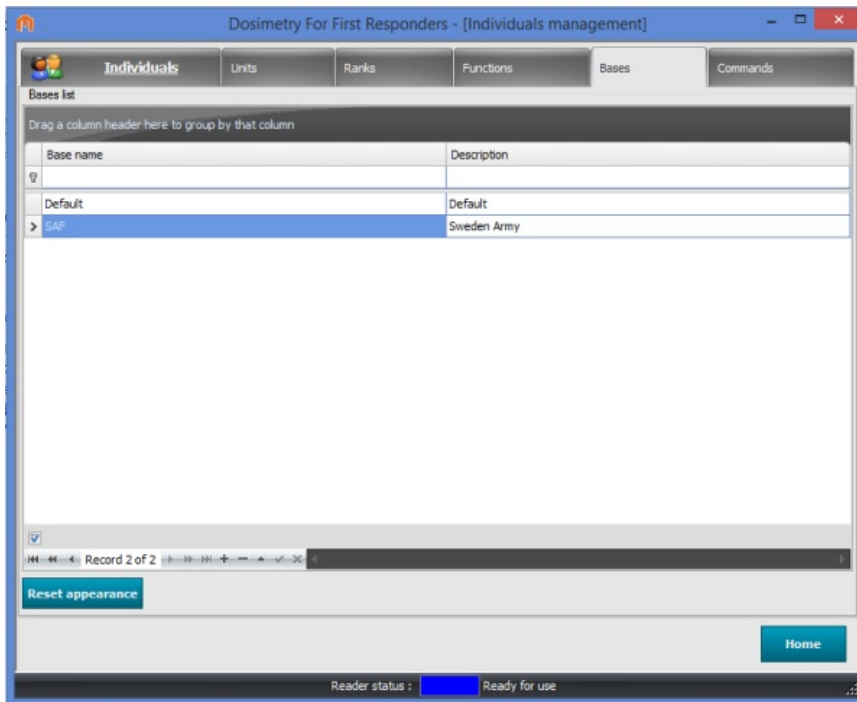Use this screen to manage the Individuals' unit(add/modify/delete):
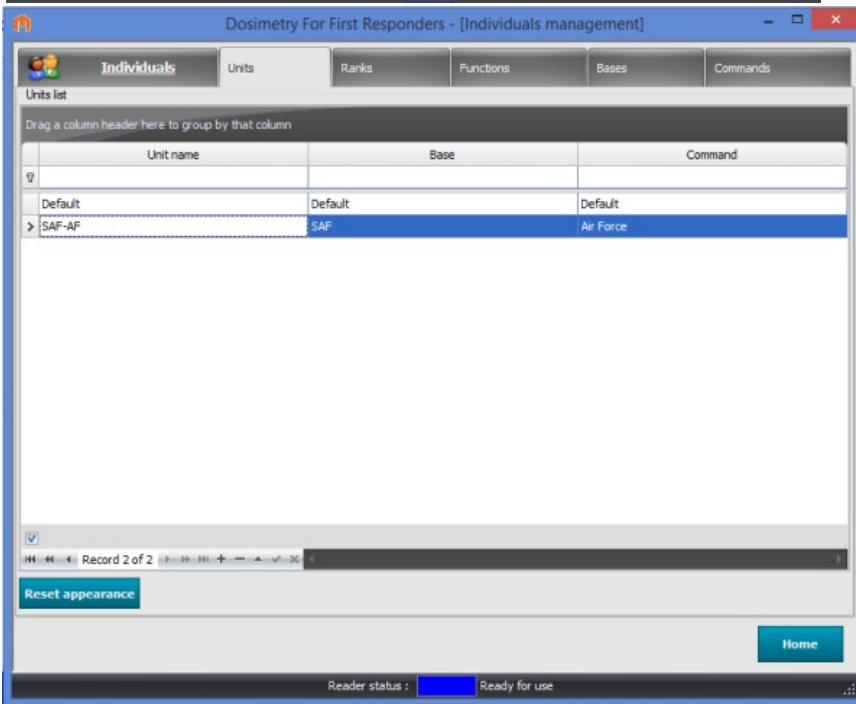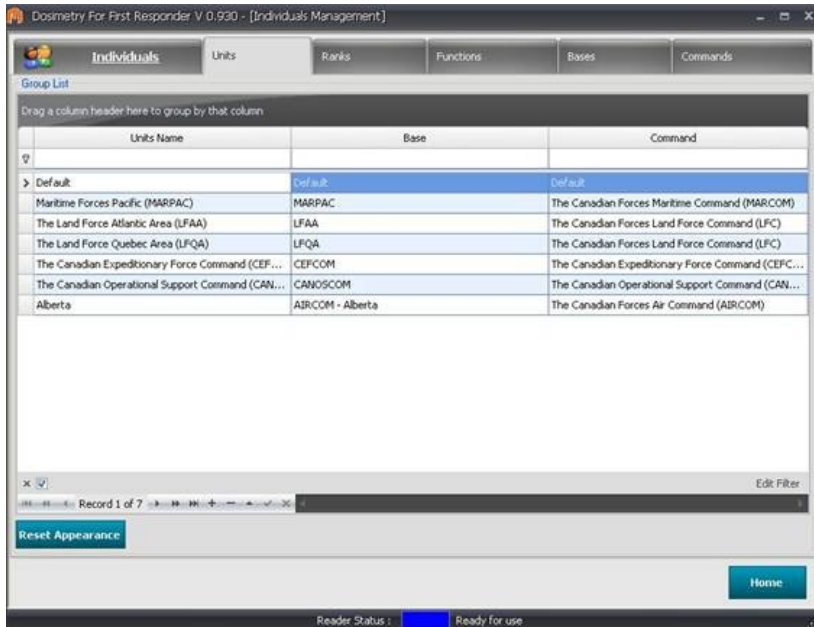
Ranks management

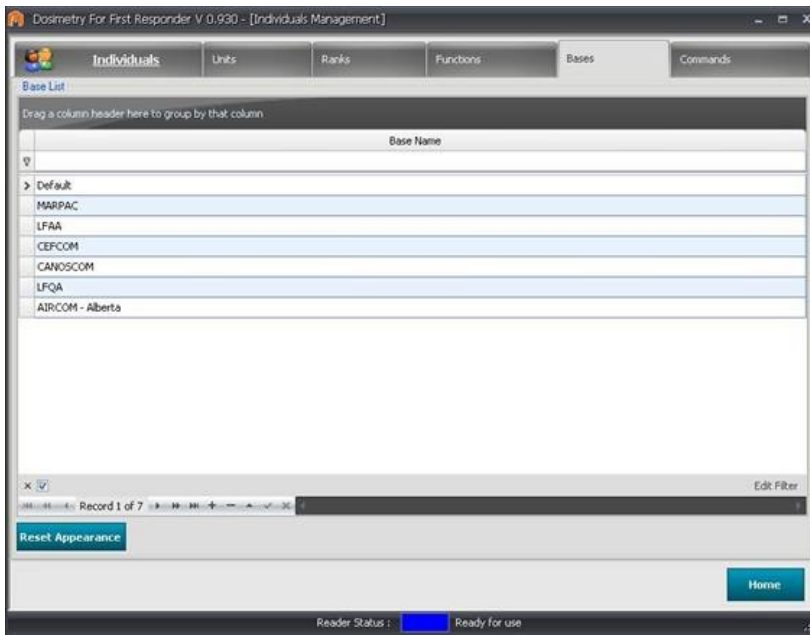Use this screen to manage the Individuals' Ranks (add/modify/delete):
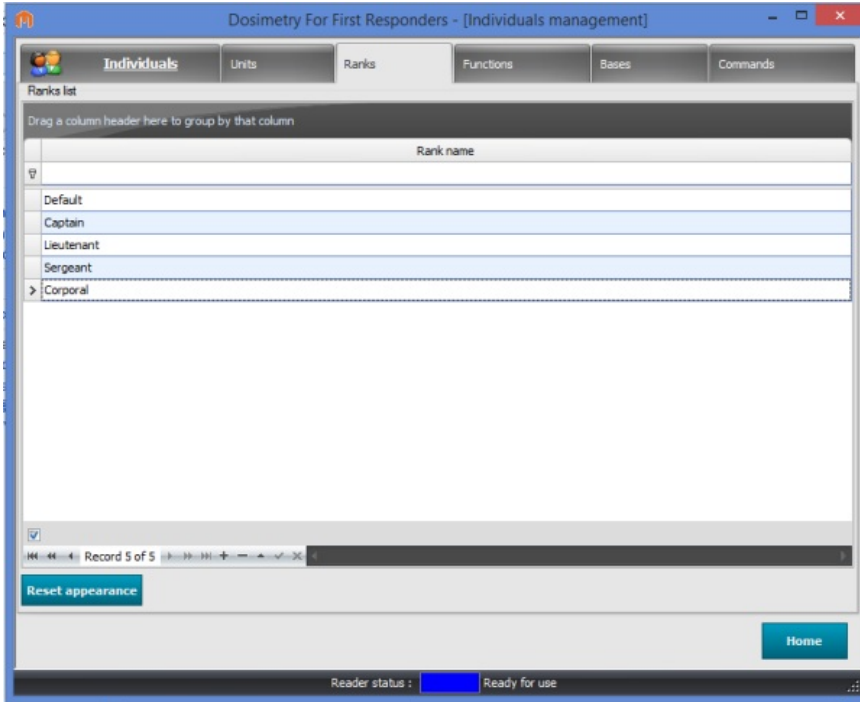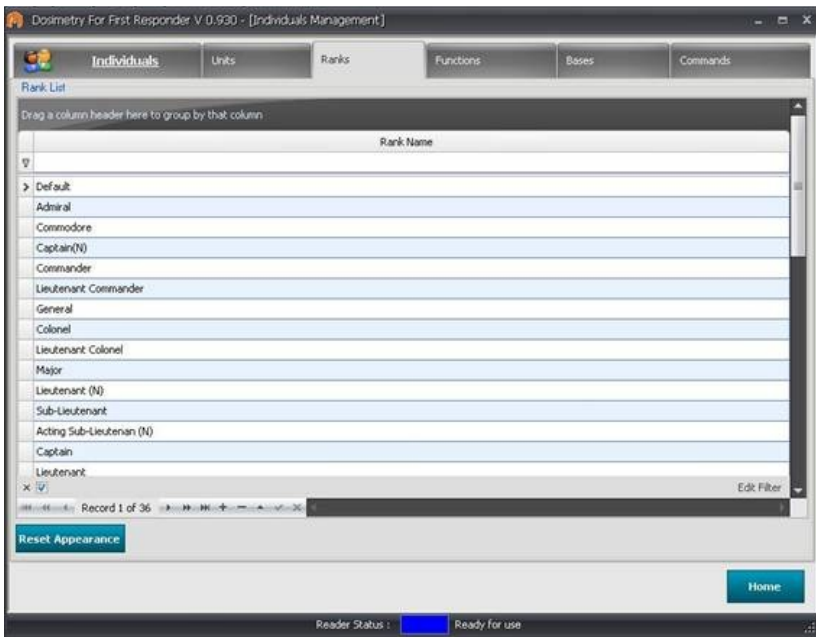
Functions Management

Use this screen to manage the Individuals' functions (add/modify/delete):
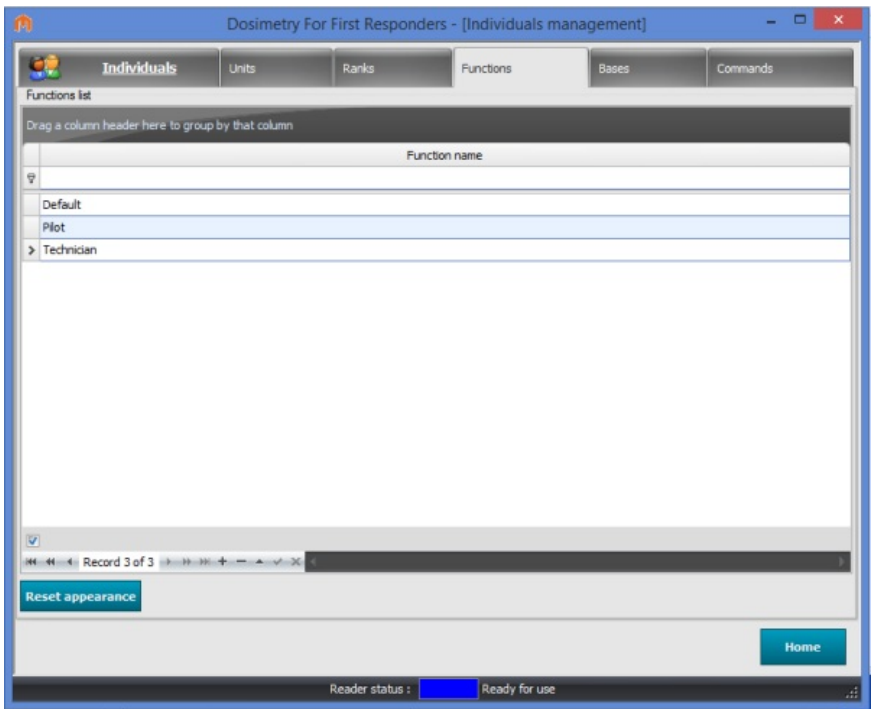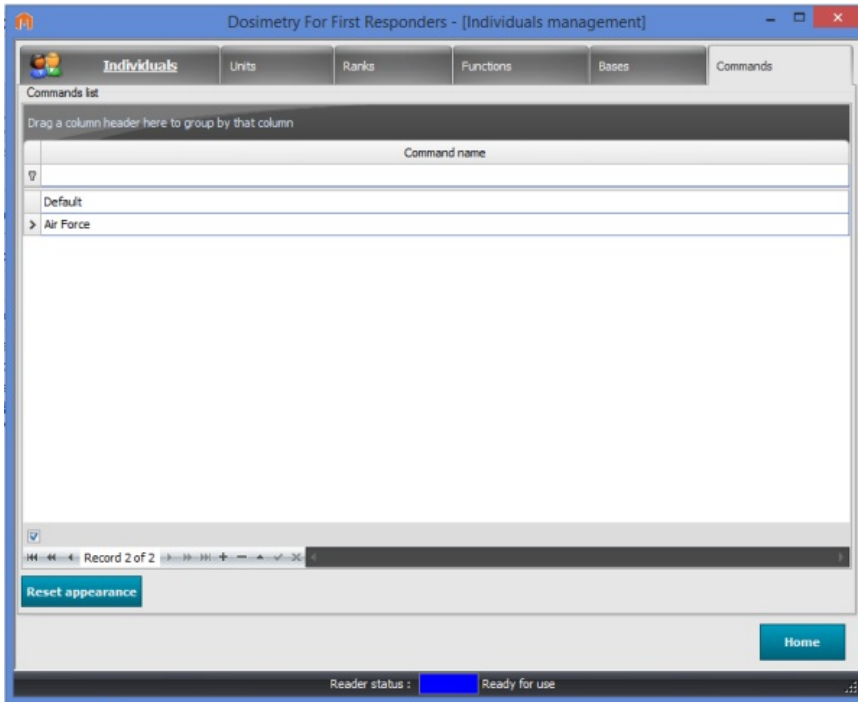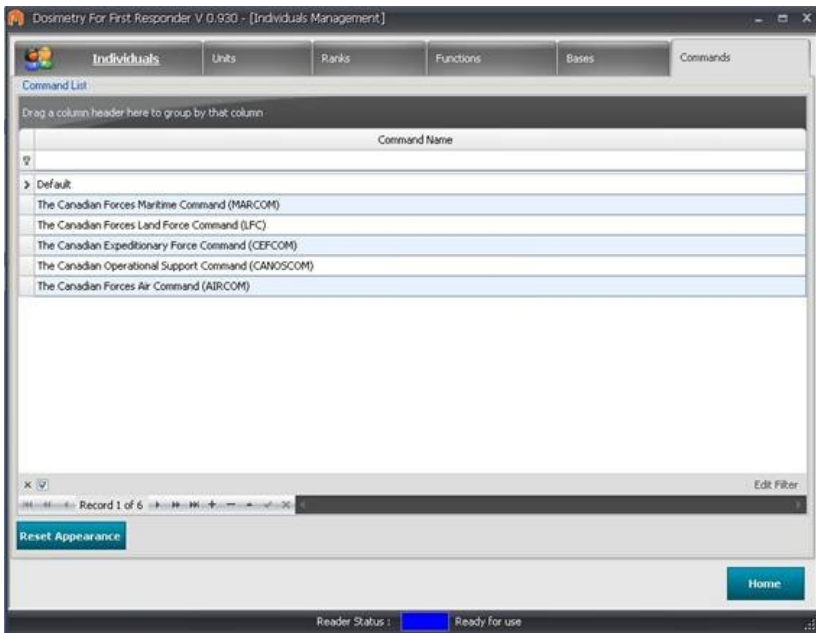
Bases Management

Use this screen to manage the Affectations' bases (add/modify/delete):

Commands Management

Use this screen to manage the Affectations' commands (add/modify/delete):

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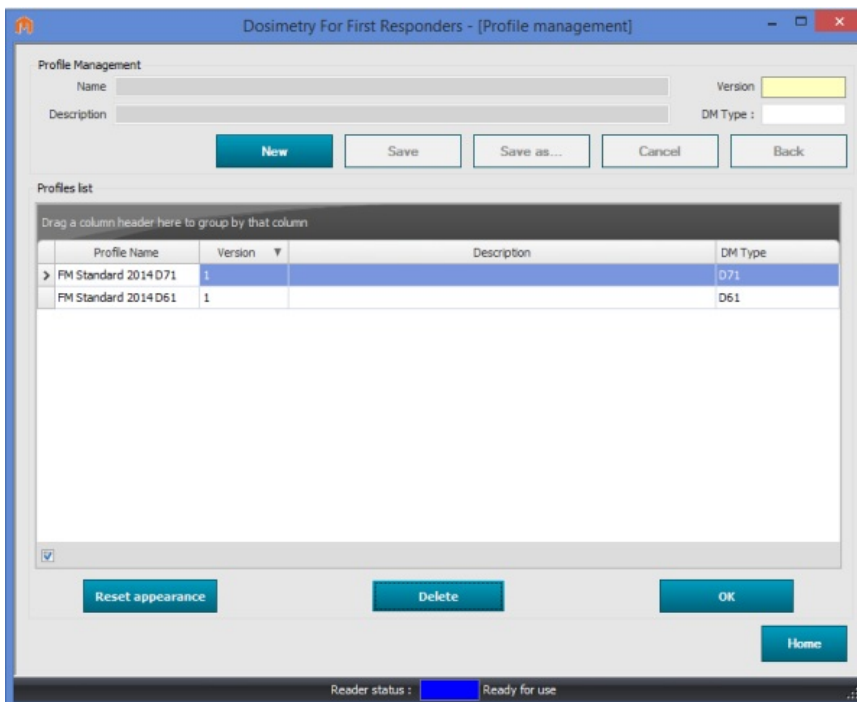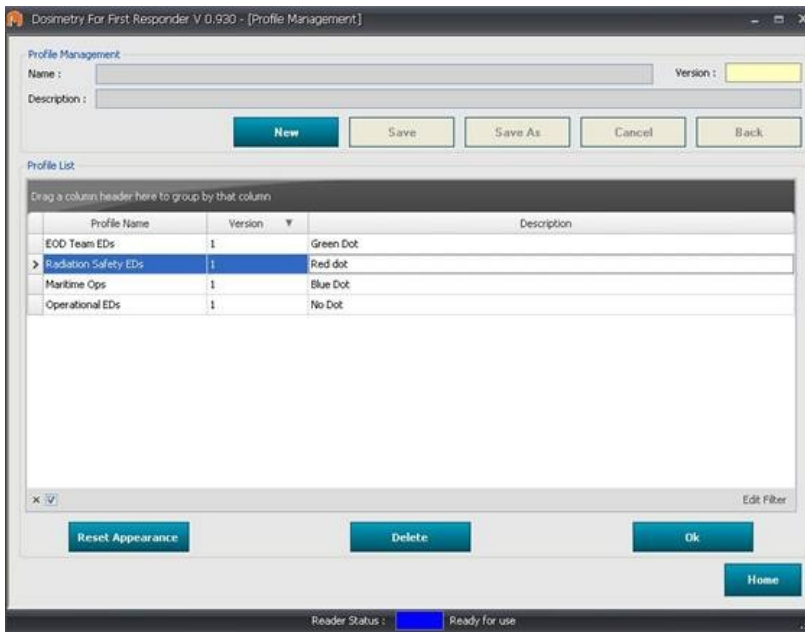## Profile Management screen

This screen allows you to manage dosimeter profiles.

Profiles will be used to configure dosimeters (see Issue a Dosimeter).

Select a profile

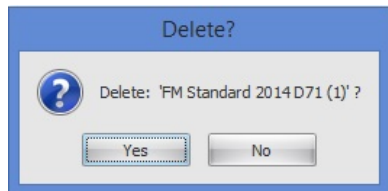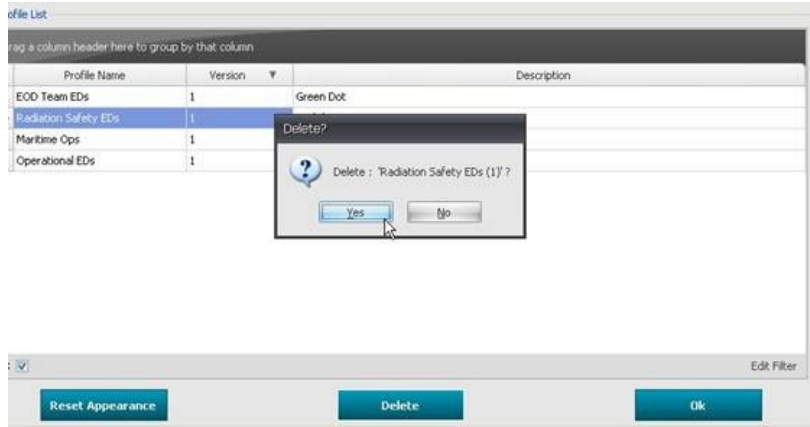The first screen allows to select / Delete an existing profile:

Choose the profile you want to open / edit and click "OK" button, or double click on the profile.

The profile is then loaded.You can then change the values to edit the desired profile. See Modifying and saving a profile
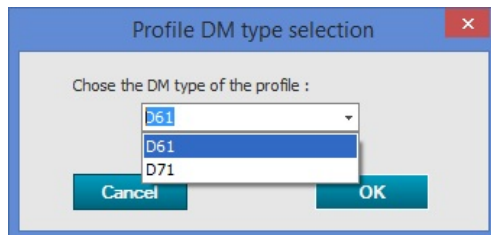
Delete an existing profile

To delete a profile, select it and click "Delete" button, once the validation popup appears, click "Yes" to validate the deletion.
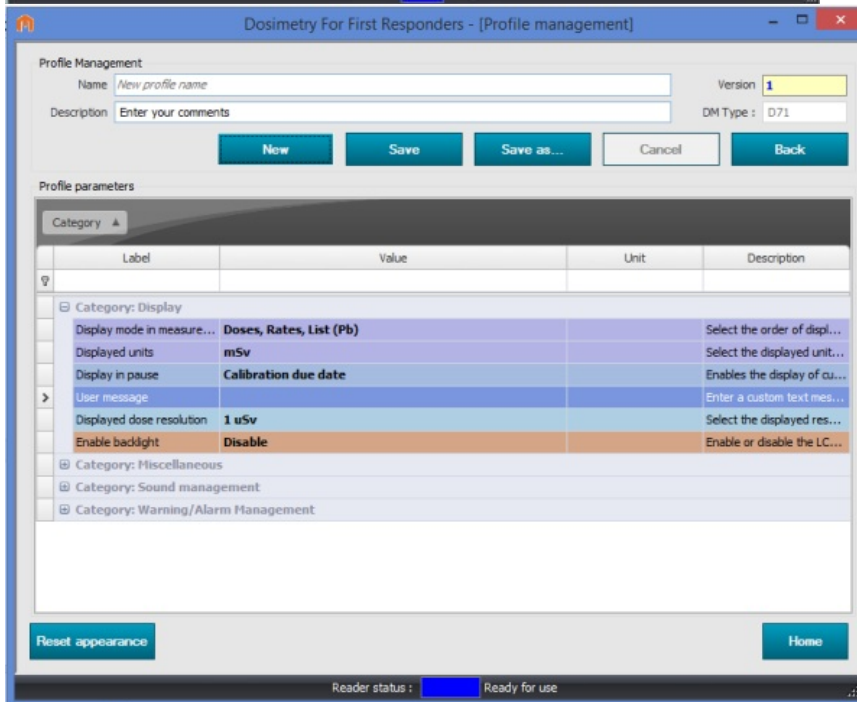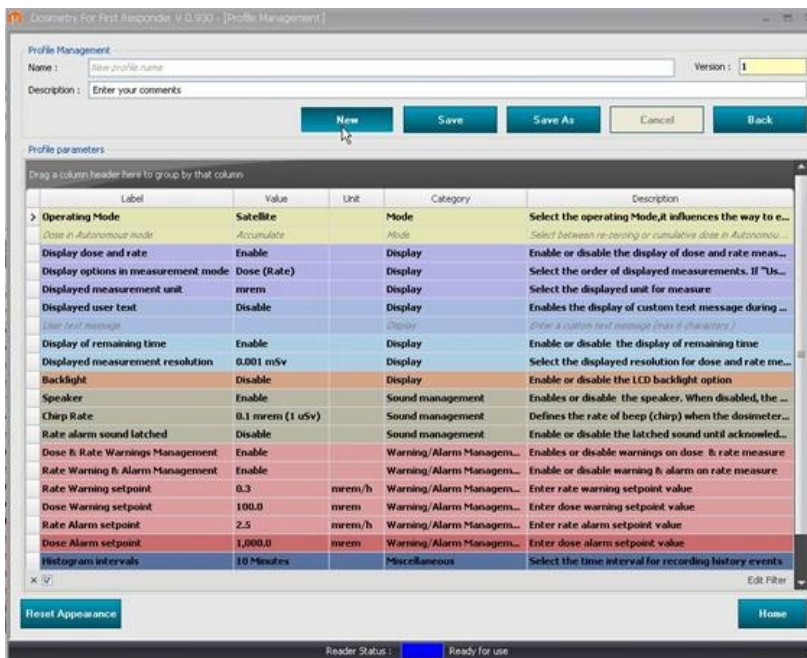

Creating a new profile

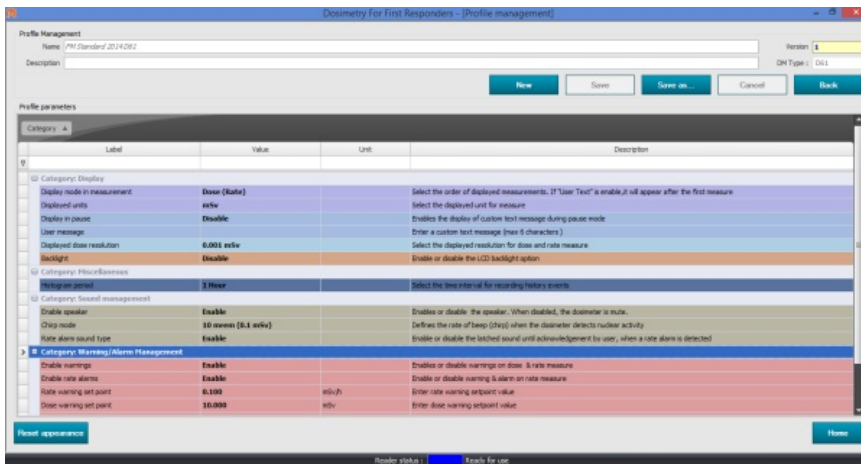Click the "New" button. A popup will ask you the dosimeter type of the profile :

Chose the desired DM type and click "OK". A default profile template for the selected DM type is loaded:

Dosimetry For First Responder V 0.930 - [Profile Management]

Profile Management

Name : New profile name   Version : 1

Description : Enter your comments

New | Save | Save As | Cancel | Back

Profile parameters

Drag a column header here to group by that column

Label	Value	Unit	Category	Description
Operating Mode	Satellite		Mode	Select the operating Mode,it influences the way to e...
Dose in Autonomous mode	Accumulate		Mode	Select between re-zeroing or cumulative dose in Autonomou...
Display dose and rate	Enable		Display	Enable or disable the display of dose and rate meas...
Display options in measurement mode	Dose (Rate)		Display	Select the order of displayed measurements. If "Us...
Displayed measurement unit	mrem		Display	Select the displayed unit for measure
Displayed user text	Disable		Display	Enables the display of custom text message during ...
User text message			Display	Enter a custom text message (max 6 characters)
Display of remaining time	Enable		Display	Enable or disable the display of remaining time
Displayed measurement resolution	0.001 mSv		Display	Select the displayed resolution for dose and rate me...
Backlight	Disable		Display	Enable or disable the LCD backlight option
Speaker	Enable		Sound management	Enables or disable the speaker. When disabled, the ...
Chirp Rate	0.1 mrem (1 uSv)		Sound management	Defines the rate of beep (chirp) when the dosimeter...
Rate alarm sound latched	Disable		Sound management	Enable or disable the latched sound until acknowled...
Dose & Rate Warnings Management	Enable		Warning/Alarm Managem...	Enables or disable warnings on dose & rate measure
Rate Warning & Alarm Management	Enable		Warning/Alarm Managem...	Enable or disable warning & alarm on rate measure
Rate Warning setpoint	0.3	mrem/h	Warning/Alarm Managem...	Enter rate warning setpoint value
Dose Warning setpoint	100.0	mrem	Warning/Alarm Managem...	Enter dose warning setpoint value
Rate Alarm setpoint	2.5	mrem/h	Warning/Alarm Managem...	Enter rate alarm setpoint value
Dose Alarm setpoint	1,000.0	mrem	Warning/Alarm Managem...	Enter dose alarm setpoint value
Histogram intervals	10 Minutes		Miscellaneous	Select the time interval for recording history events

Edit Filter

Reset Appearance | Home

Reader Status : Ready for use

Dosimetry For First Responders - [Profile management]

Profile Management

Name New profile name   Version 1

Description Enter your comments   DM Type : D71

New | Save | Save as.... | Cancel | Back

Profile parameters

Category ▲

Label	Value	Unit	Description
Category: Display			
Display mode in measure...	Doses, Rates, List (Pb)		Select the order of displ...
Displayed units	mSv		Select the displayed unit...
Display in pause	Calibration due date		Enables the display of cu...
User message			Enter a custom text mes...
Displayed dose resolution	1 uSv		Select the displayed res...
Enable backlight	Disable		Enable or disable the LC...
Category: Miscellaneous			
Category: Sound management			
Category: Warning/Alarm Management			

Reset appearance | Home

Reader status : Ready for use

You can then change the values to create the desired profile. See Modifying and saving a profile.

Profile parameters management description

New button: allows you to create a new profile. See Creating a new profile.

Save button: allows you to save the current profile and change profile version to "Current version + 1".

Save As button: allows you to save as the current profile, change his name and create a new profile version (V1). See Modifying and saving a profile.

Cancel button: discards changes and reloads the current profile.

Back button: closes the current profile and displays Existing Profile list. See Select a profile.

Modifying and saving a profile

Double-click the value you want to change. A popup will open. It allows you to choose another value. Click "OK" to validate your change:

Once the parameters values have been modified, enter the description in the "**Description** " field and click "**Save** " to save the profile

If the profile already exists, the version number is incremented. If not, the profile will have the version number "1".

Enter the description and click "**Save As**" to save as the profile with a new name and version, a popup to choose the new profile name appears.

click "Ok" to validate your changes.

Label	Value	Unit	Category	Description
Operating Mode	Satellite		Mode	Select the operating Mode ,it i
Dose in Autonomous mode				Select between re-zeroing or o
Display dose				Enable or disable the display o
Display rate				Enable or disable the display o
Display options in measuremen..				Select the order of displayed m
Displayed measurement unit				Select the displayed unit for m
Displayed user text				Enables the display of custom
User text message			Display	Enter a custom text message
Display of remaining time	Enable		Display	Enable or disable, the display o

Edit Value

Name :

Radiation Safety - DMC 3000

Cancel   OK

To cancel the changes before saving, click the "Cancel" button.

Import / Export Screen

This screen allows you to export data into xml or csv files.

Csv files allow you to view and analyze data with the Excel application.

You can also use a csv file as example to create a file with the same format, to import external data relating to Individual and their information.

Xml files allow you to import data in another DosiFFR system.

This screen allows you to export workers and measures to DosiServ or import workers from DosiServ.

Individual Data Export

This screen allows you to export the personnel into an XML or a CSV file.

Click the "Load" button to retrieve data from the database:

Check the "Include measures" checkbox t include personnel doses, filtered by a start date ("From" field)and an end date ("To" field), in the export file.

Choose individual manually (Keep Ctrl key pressed and select with mouse) or click Select all to select all displayed Individuals.
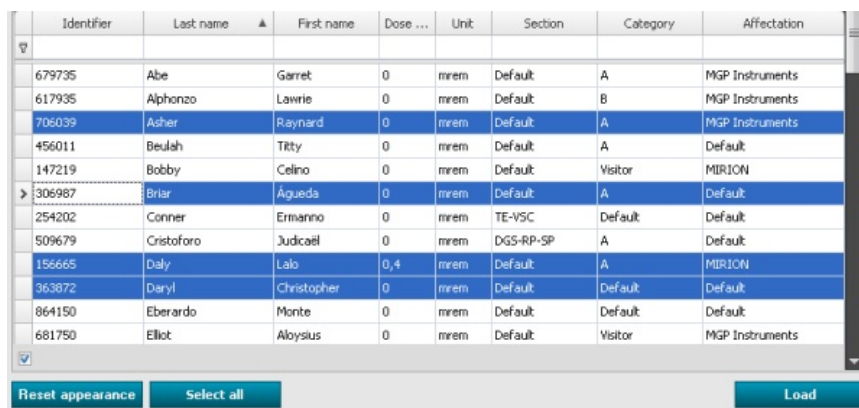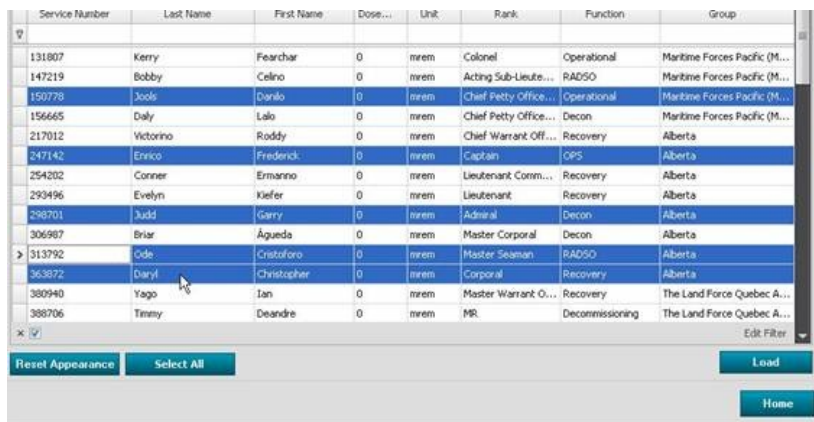
Then choose the destination file type (CSV or XML) and click "Export" to create a file containing these data:
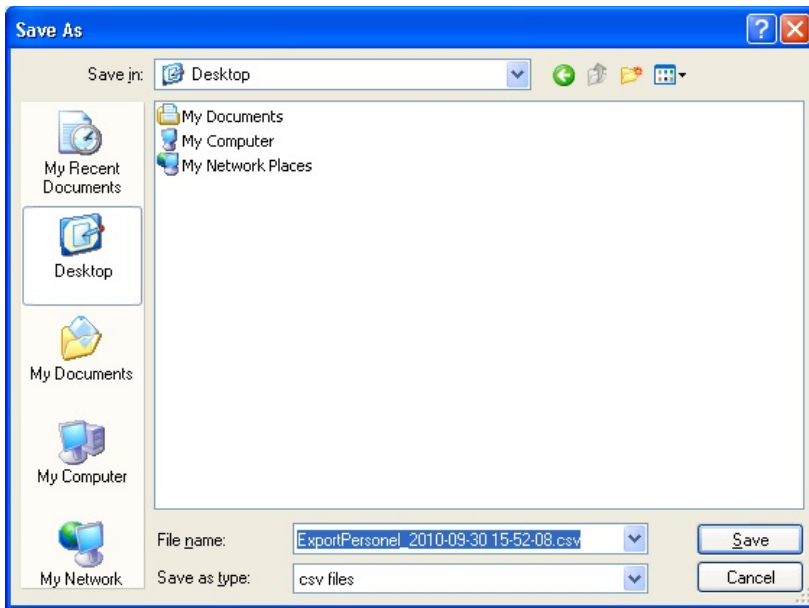
Choose the destination folder, enter a file name and click on "Save".

The default export path is configured in the "Global Settings" screen.

Profile Data Export

This screen allows you to export the dosimeter profiles into an xml file.

Click the "Load" button to retrieve the profiles from the database:
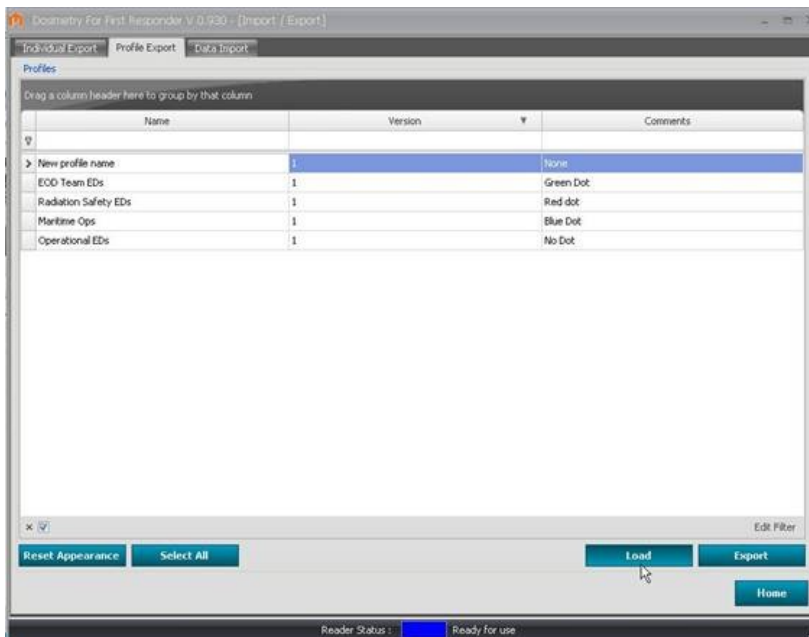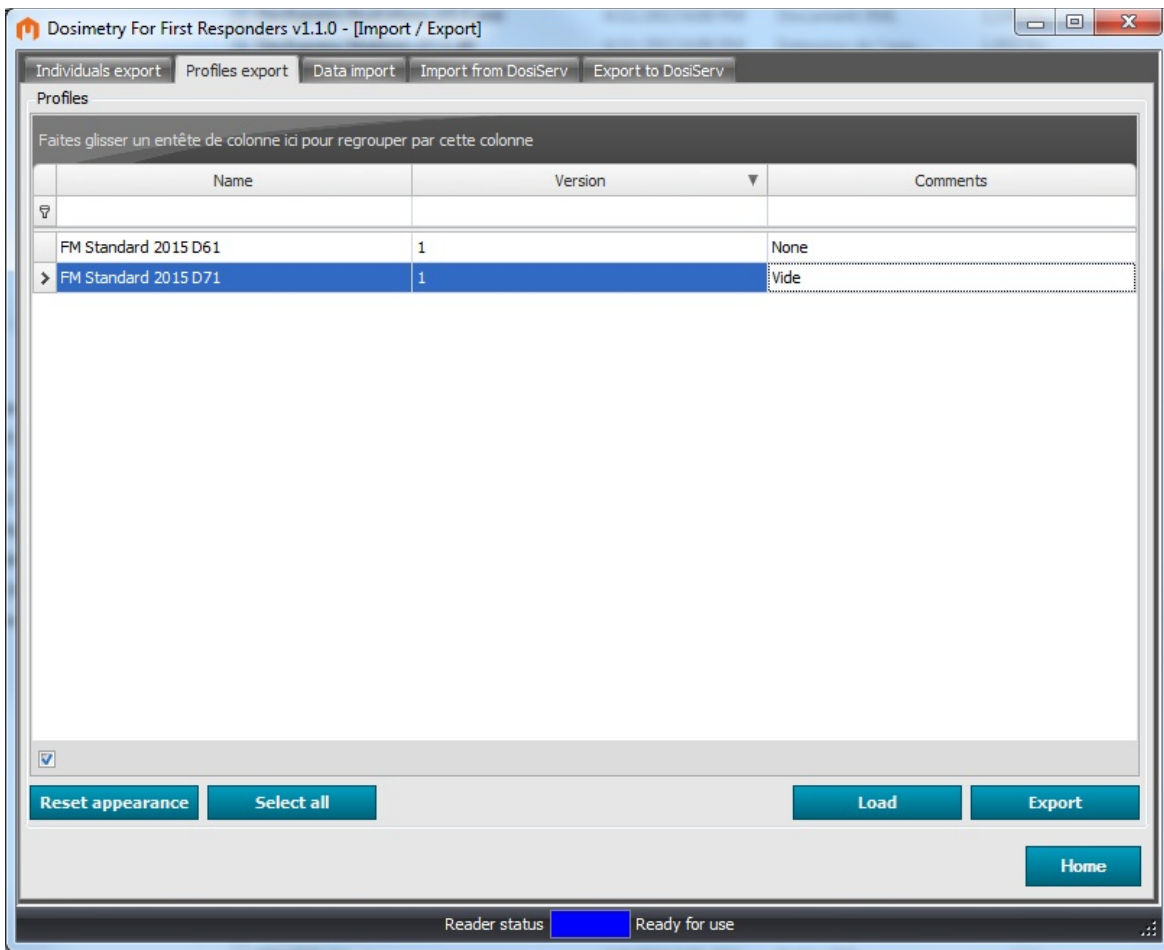
Choose Profiles manually (Keep Ctrl key pressed and select item with your mouse) or click Select all to select all displayed Profiles
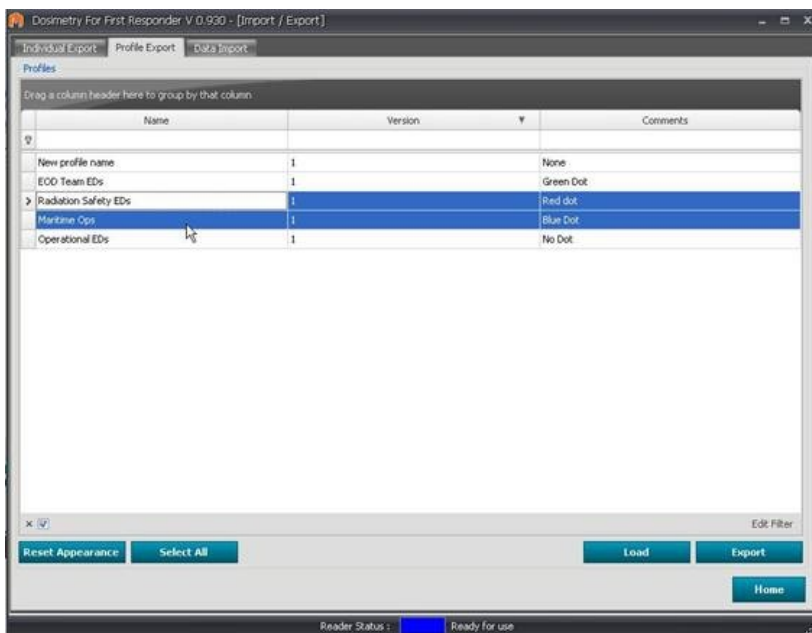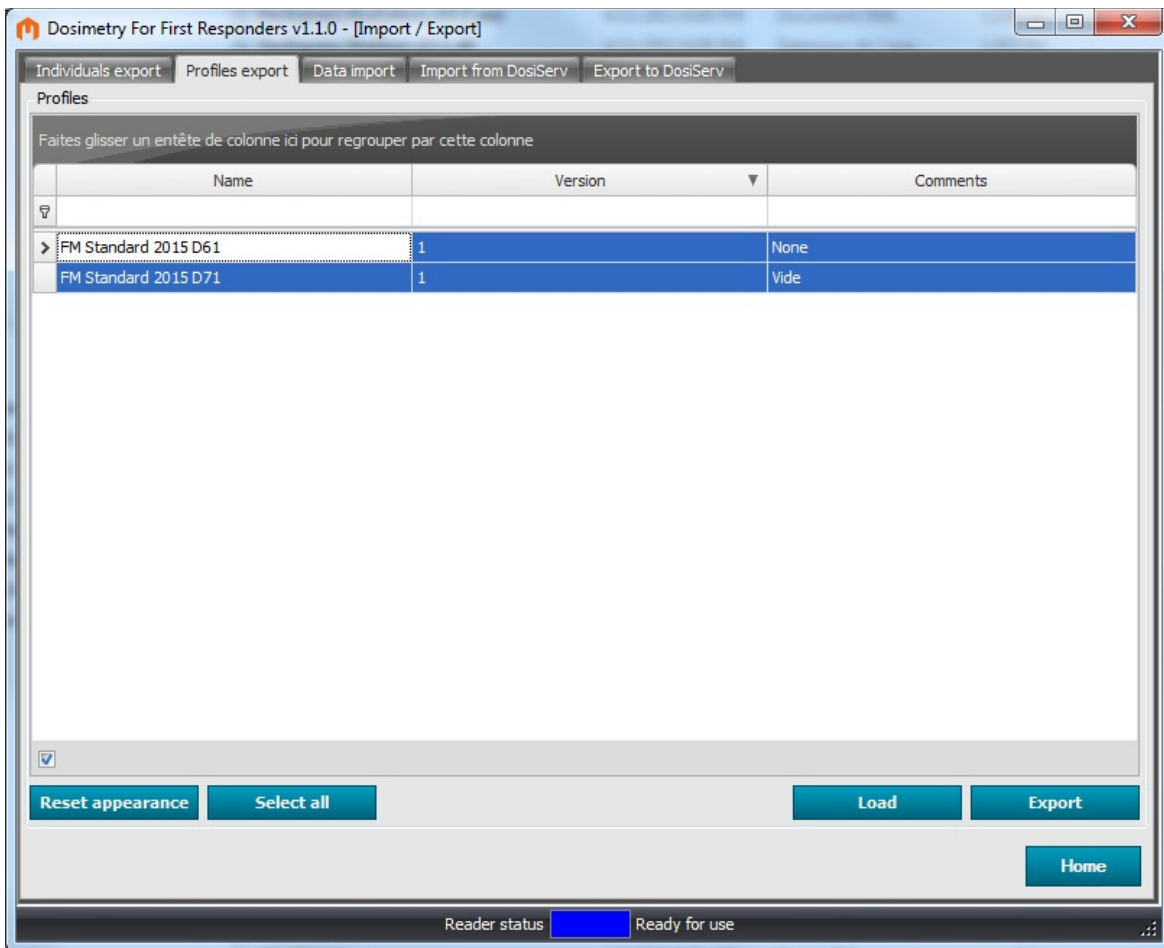
Then click "Export" to create an xml file containing these data:
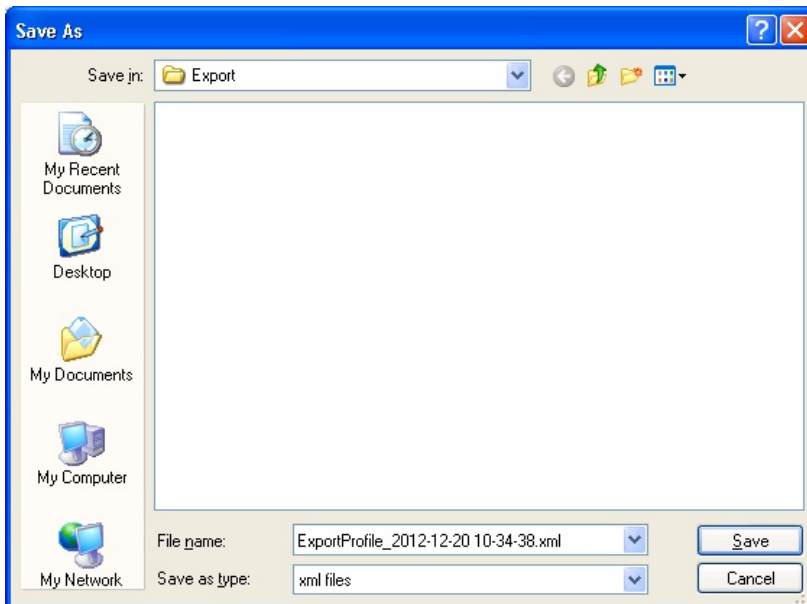
Choose the destination folder, enter a file name and click on "Save".

The default export path is configured in the "Global Settings" screen.

Data Import

To import data from a previously exported file (see Profile Data Export and Personnel Data Export), click the [....] button and choose the file to import:
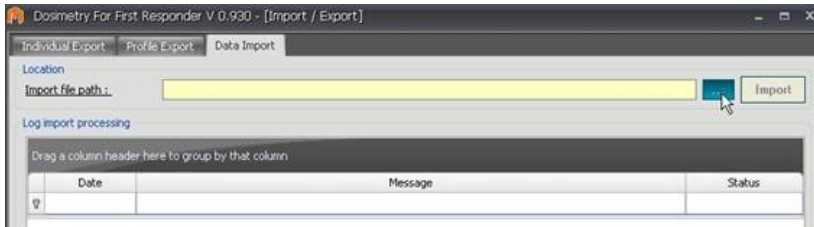
Choose a file format (XML / CSV) and select an export file.
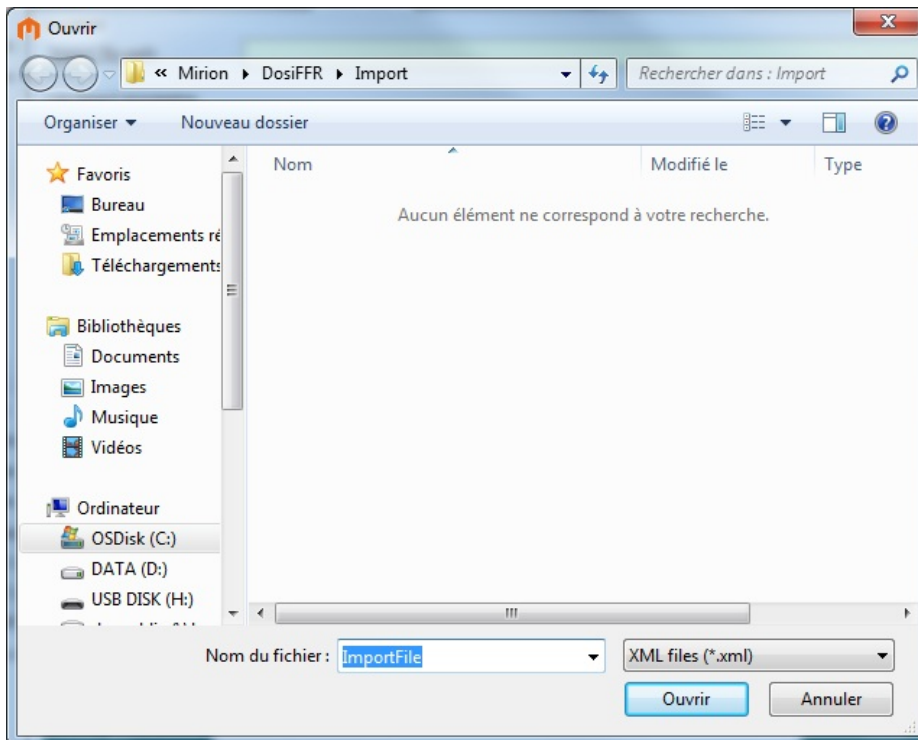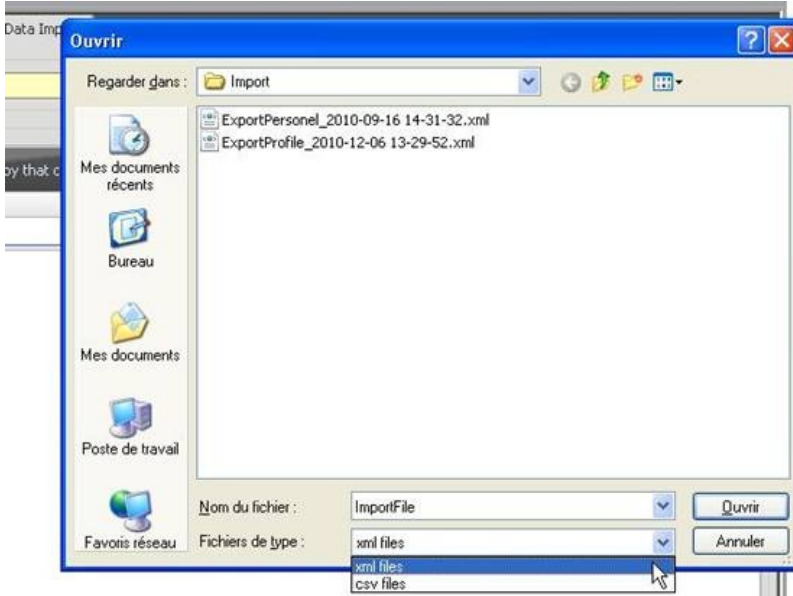
Click then the "Import" button: the import process starts and the operations are logged in the data grid:
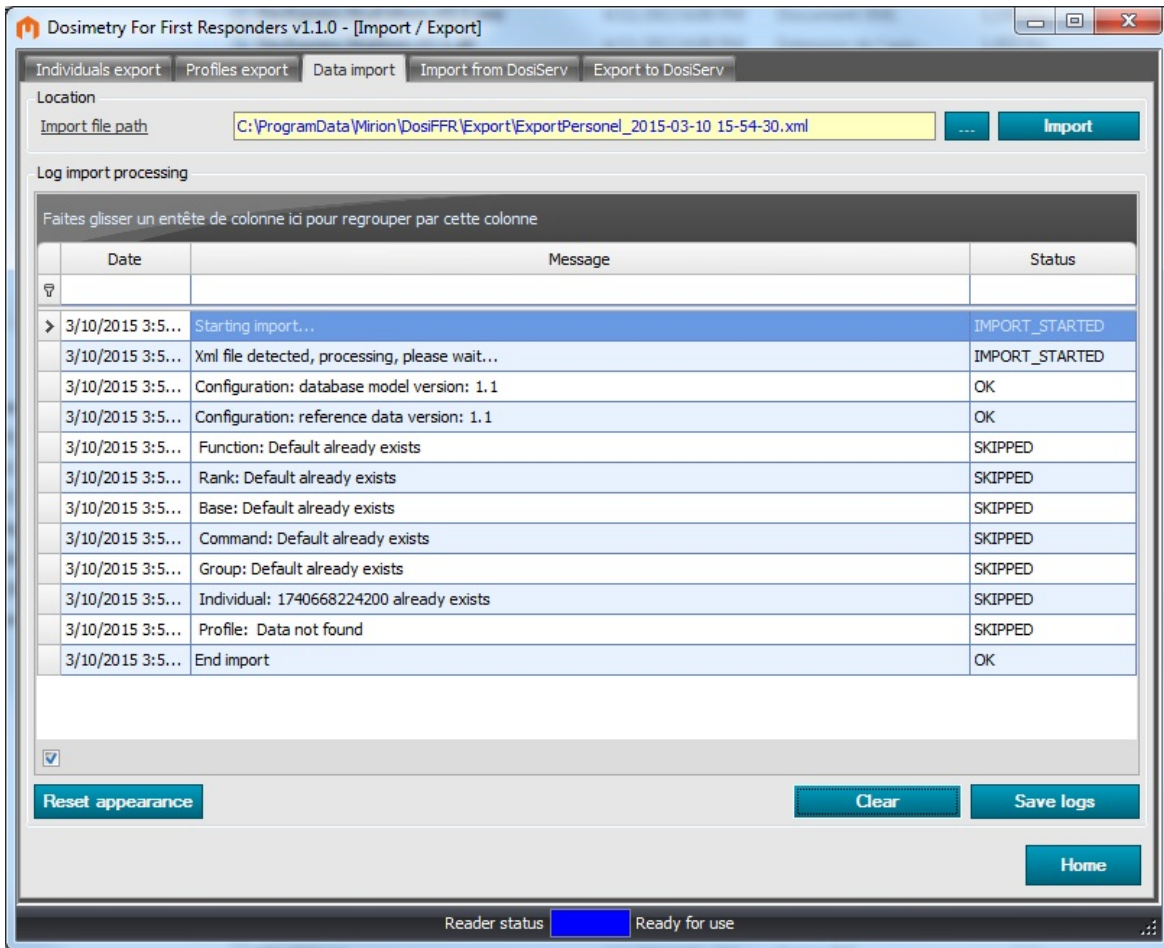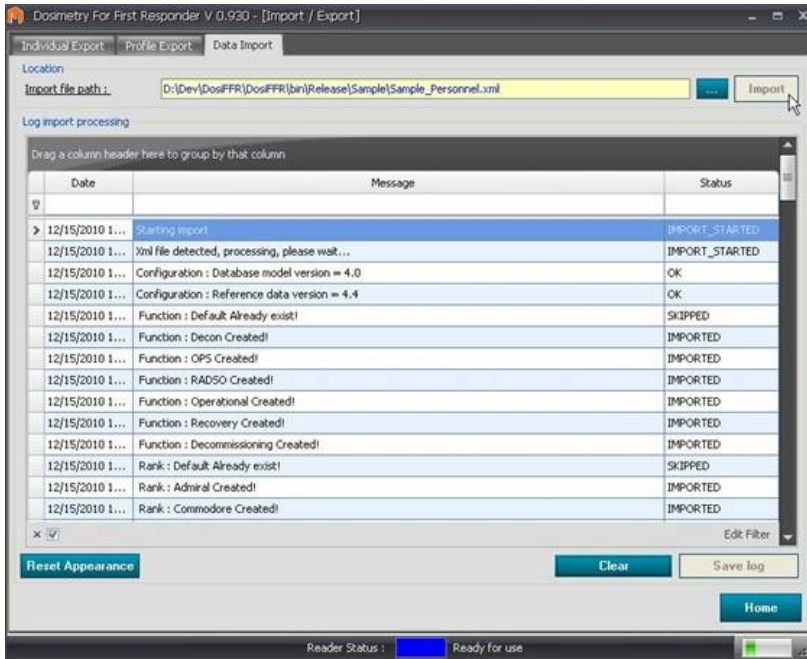
Remark: A DosiFFR system can only import files that have been exported by another DosiFFR system with the same software version

These logs can be saved into an Excel file: click the "Save Log" button and enter a destination file name:
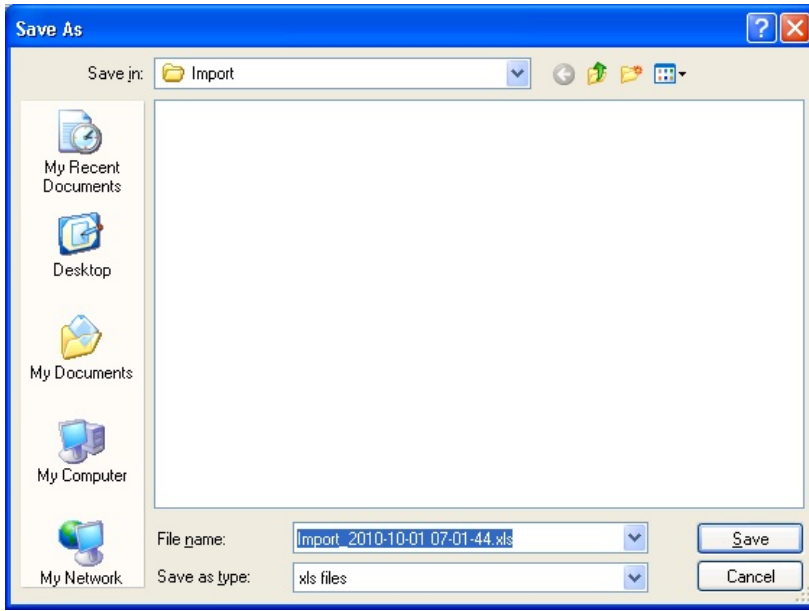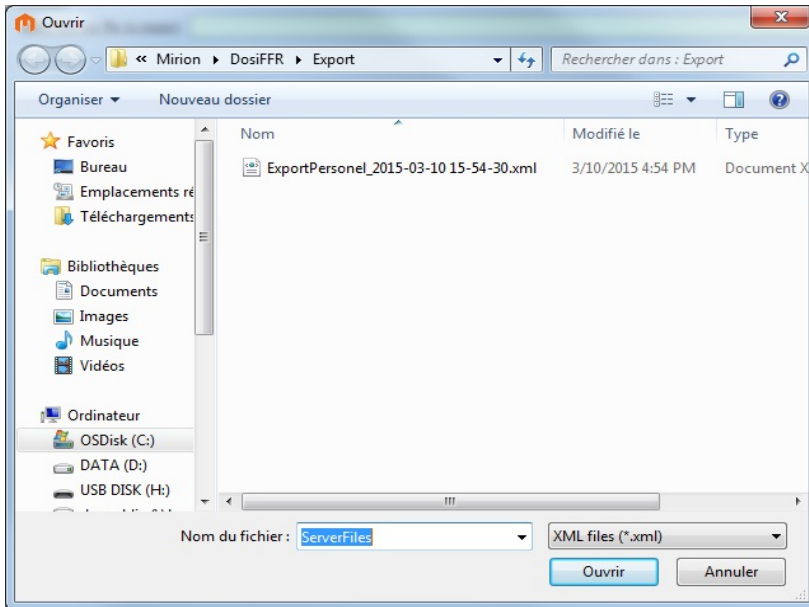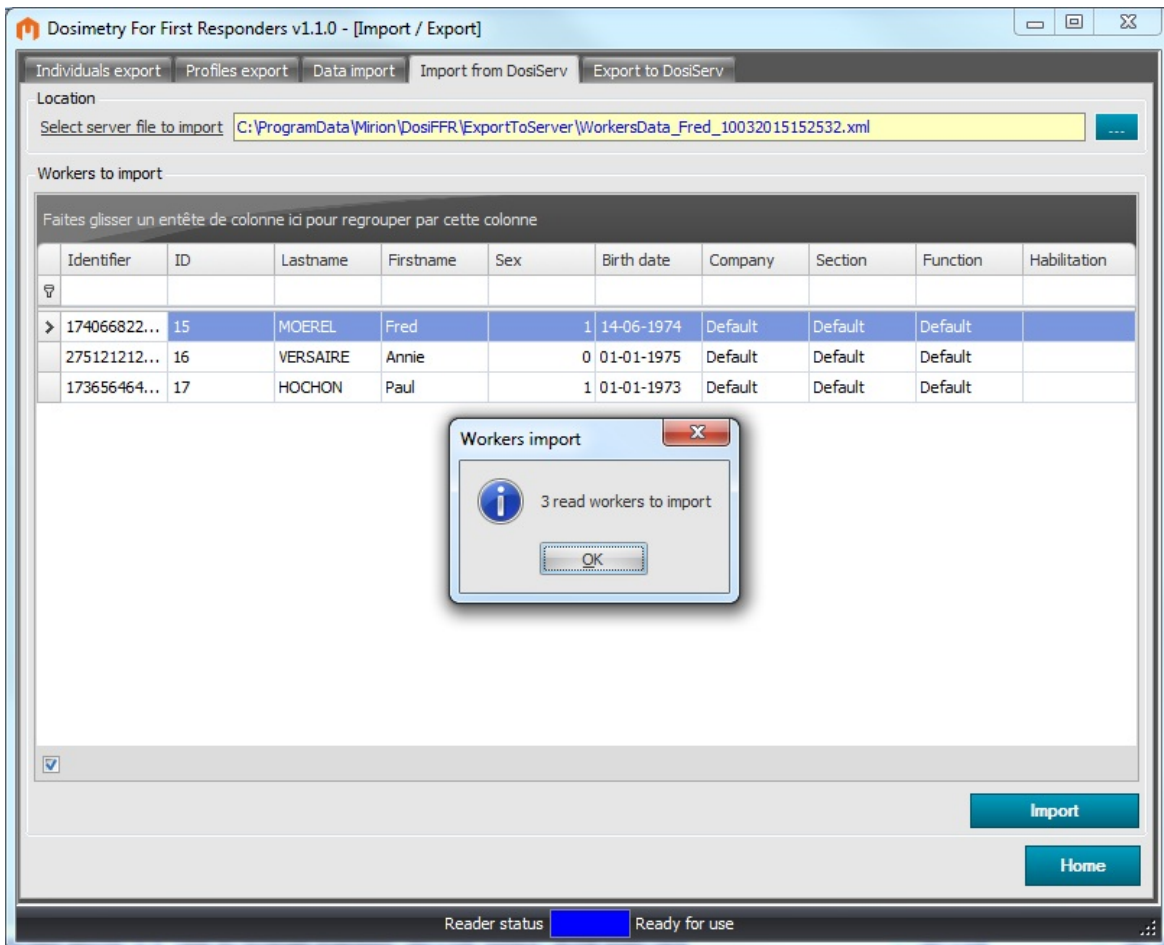

Import from DosiServ
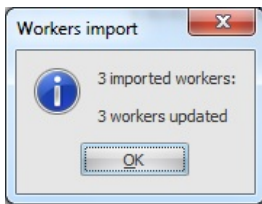
This screen allows you to import workers from DosiServ
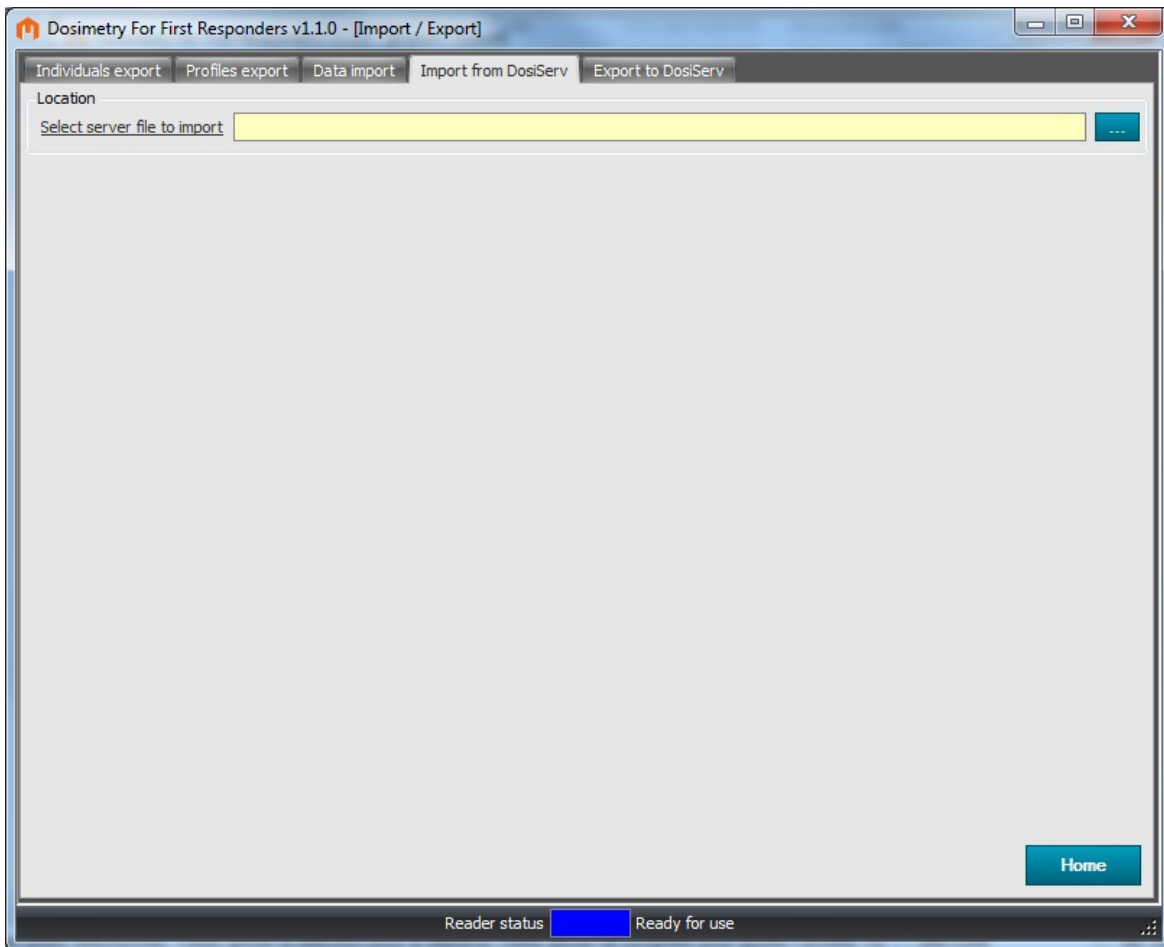
Click the ![...] button to select the file to import:

The workers found in selected file are displayed and a message displays the number of workers to import:

Validate the message by clicking the "OK" button and import workers by clicking the "Import" button, a message will indicate you whe import is finished:
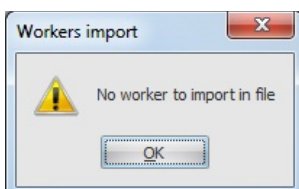
In case of many workers to import, a message displays the current worker being imported and the number of workers that will be imported
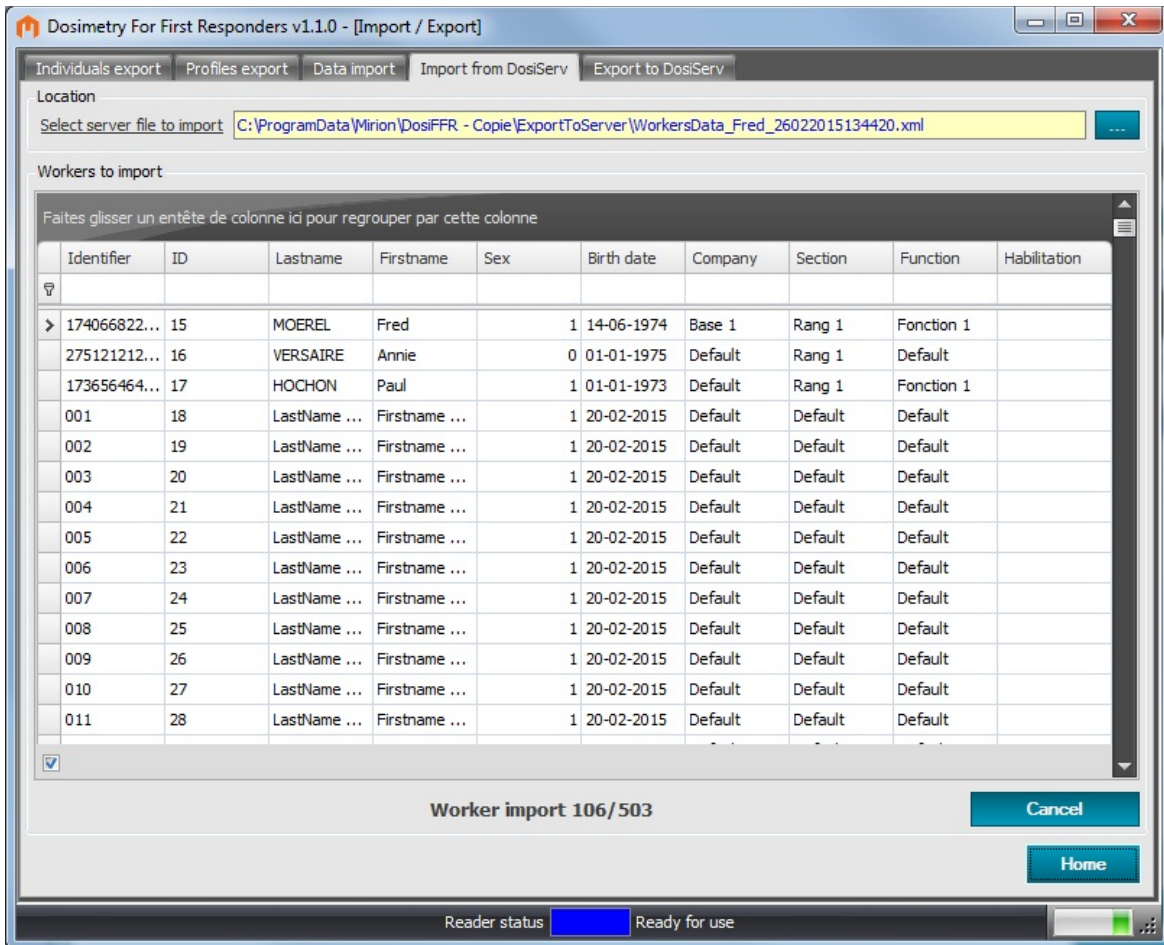
This process can be canceled by clicking the "Cancel" button. In this case, the message will be as this one:
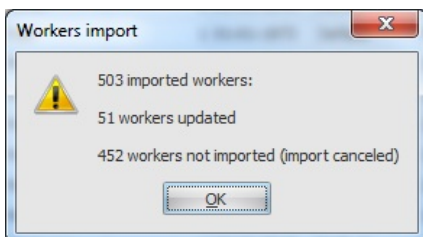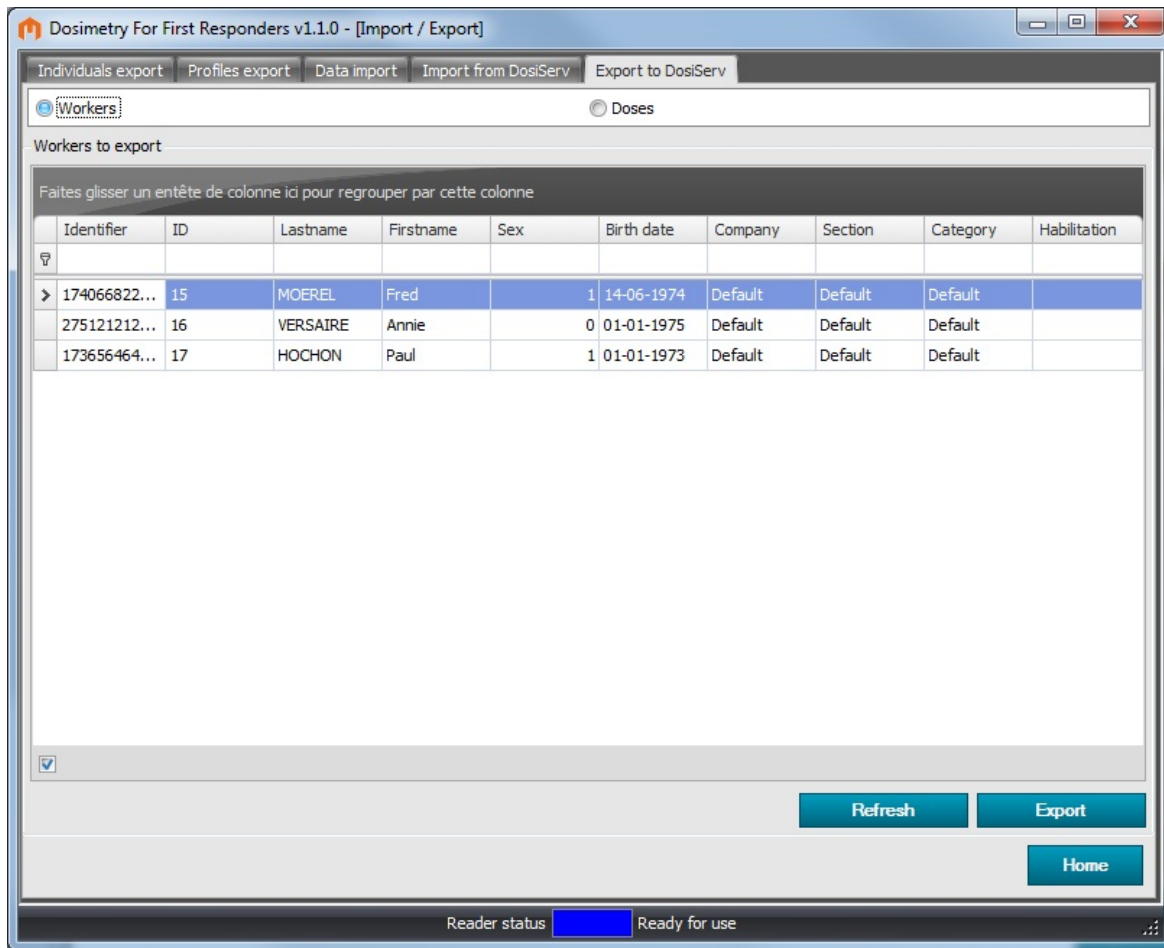

If the file is not a valid file, a message informs the operator that there were no workers to import in the selected file:

Note : if a worker does not exist, it will be created. Otherwise, it will be updated.

Export to DosiServ

This screen allows you to export workers and doses (measures) to DosiServ:

To export workers, select "Workers" to see the workers to export.

At start of application, the list of workers to export is refreshed automatically. The workers that can be exported are the workers that have never been exported to DosiServ or the workers that have been modified since the last export.

The list can be refresh by clicking the "Refresh" button.

If there were workers to export, you can click the "Export" button to create a file containing the workers.
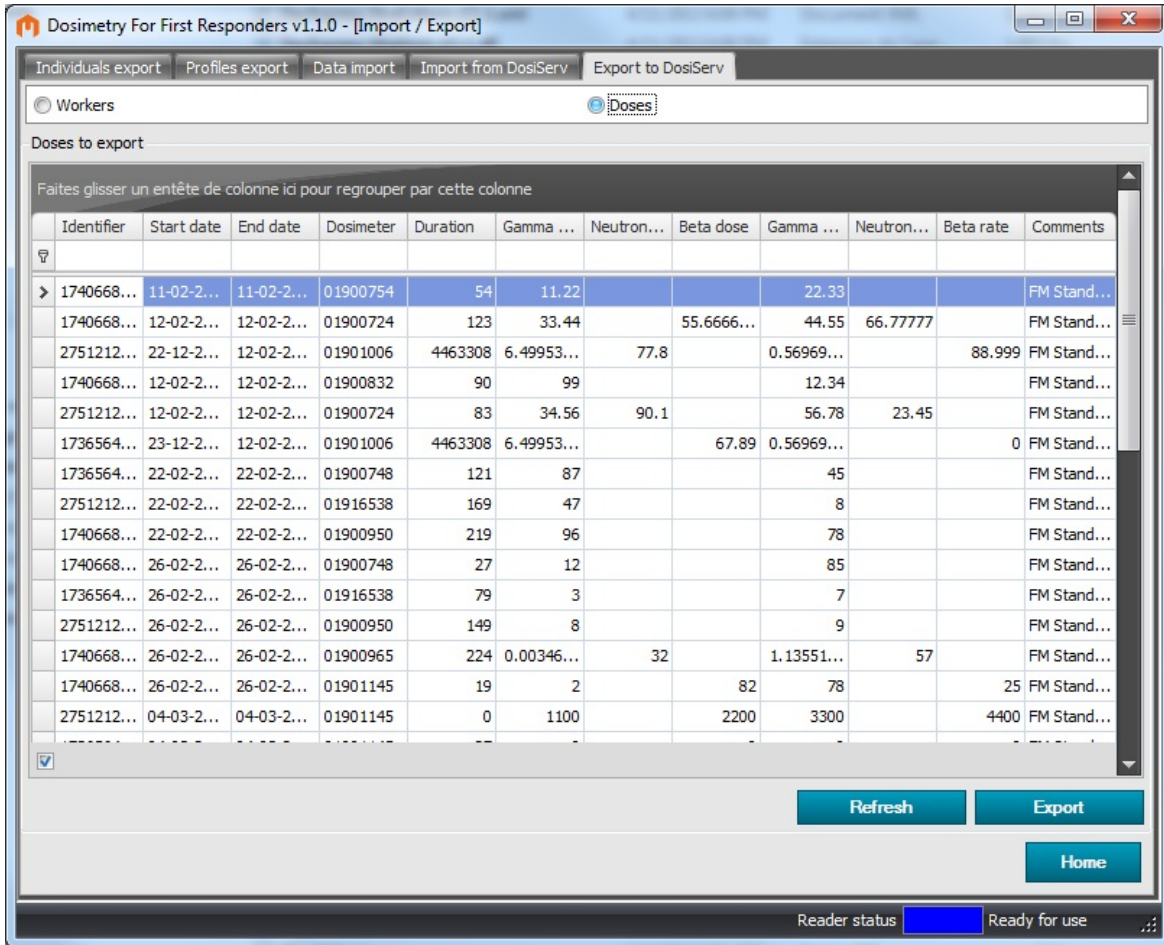

To export doses, select "Doses" to see the doses to export:

At start of application, the list of doses to export is refreshed automatically. The doses that can be exported are the doses that have

never been exported to DosiServ or the doses that have been modified since the last export:

The list can be refresh by clicking the "Refresh" button.

If there were dose to export, you can click the "Export" button to create a file containing the doses and a message will be displayed at the end of the process:

Issue a Dosimeter screen

This screen allows you to :

1. Prepare dosimeter with your configuration profile and in a specific status (Fast Entry, Measurement mode, Pause mode).

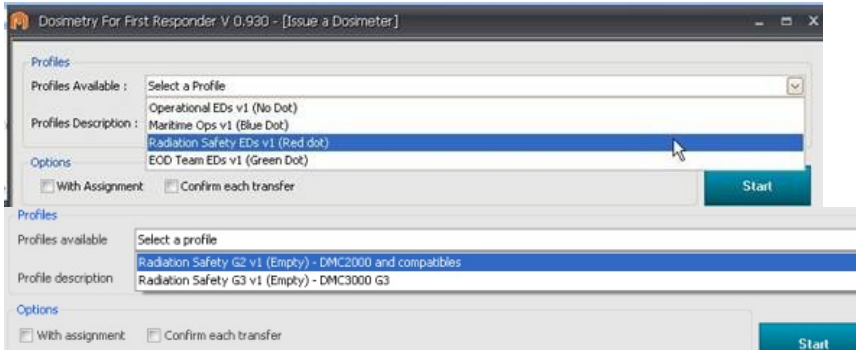2. Assign a dosimeter to an individual.

3. Unassign a dosimeter.
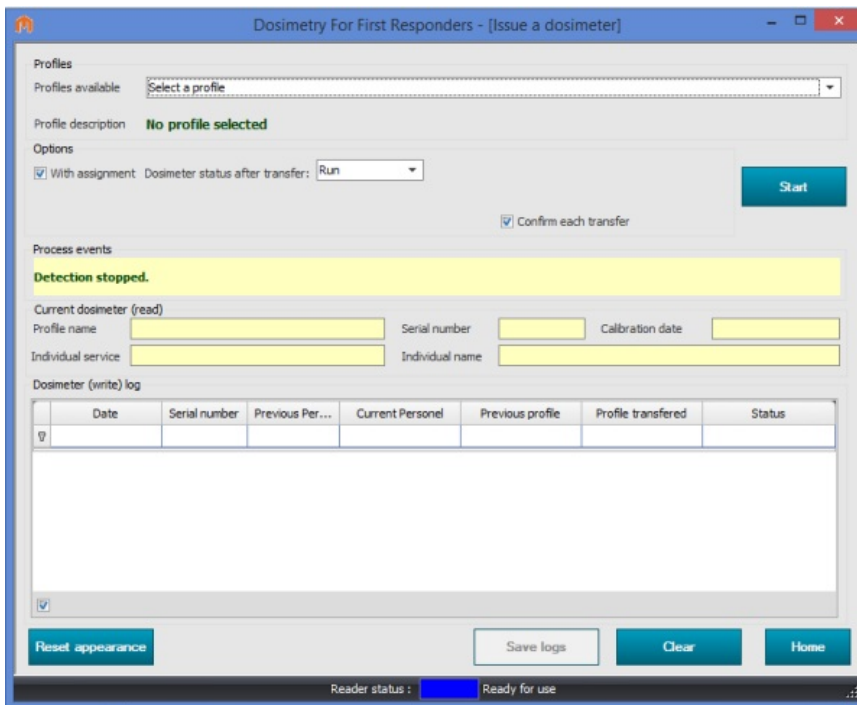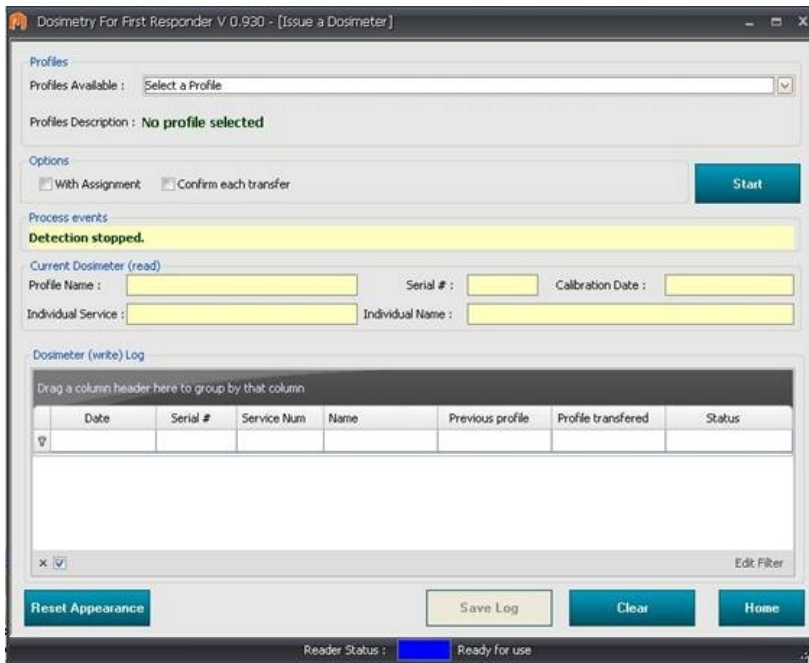
Profile Choice

Choose a profile from the list below:

Please note that a profile is associated to a specific dosimeter type and could not be used with other dosimeters.

Dosimeter detection

Click "Start" to start the dosimeter detection.

The issue process will start as soon as a dosimeter is detected by the reader.

To stop the detection, click "Stop".
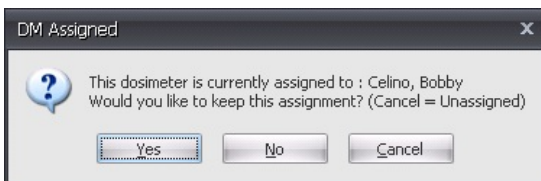
Remark:

Do not remove a dosimeter during process! The dosimeter could have wrong configuration.

Do not disconnect the usb reader when it is running.

Issue process

Dosimeter assignment verification

If the dosimeter is already assigned to an individual and if the "with assignment" option has been checked, the following popup will appear:


Answering "Yes" will cause the dosimeter to keep the current assignment. The following individual choice step is skipped. Next step: Profile transfer.

Answering "No" will lead to the selection of an individual for the assignment. See the next paragraph.

Answering "Cancel" will cause the dosimeter to be unassigned. The following individual choice step is skipped. Next step: Profile transfer.
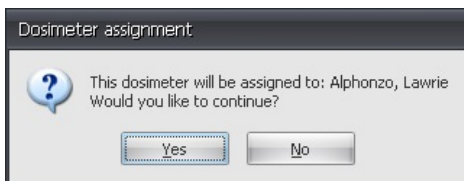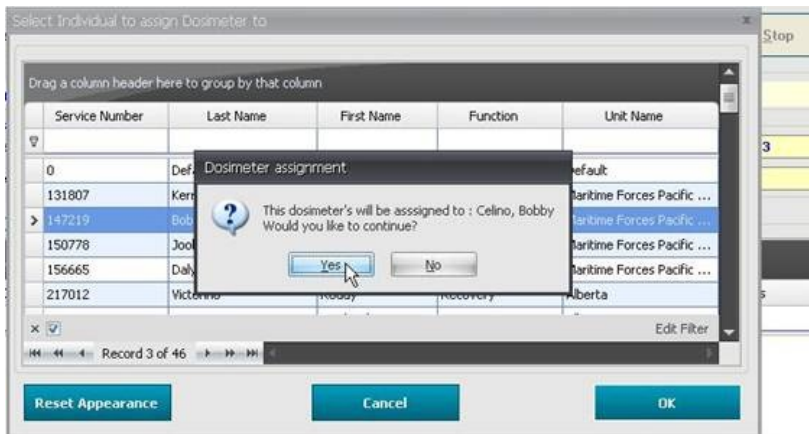
Dosimeter assignment choice

The following popup is displayed. It allows you to choose the individual to whom the dosimeter will be assigned:
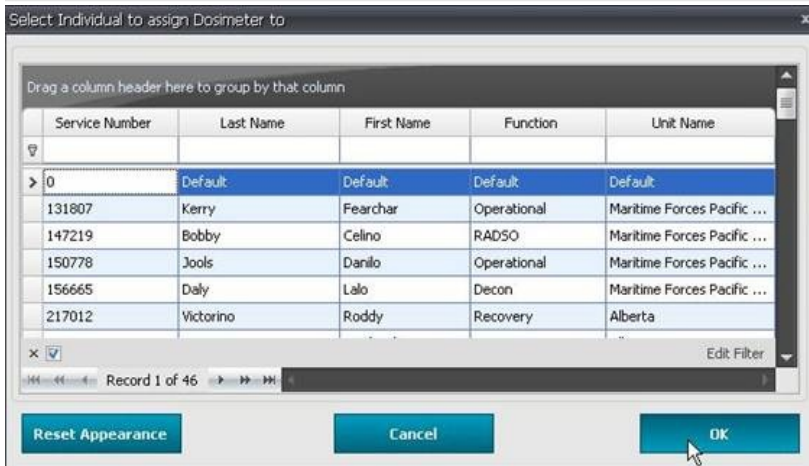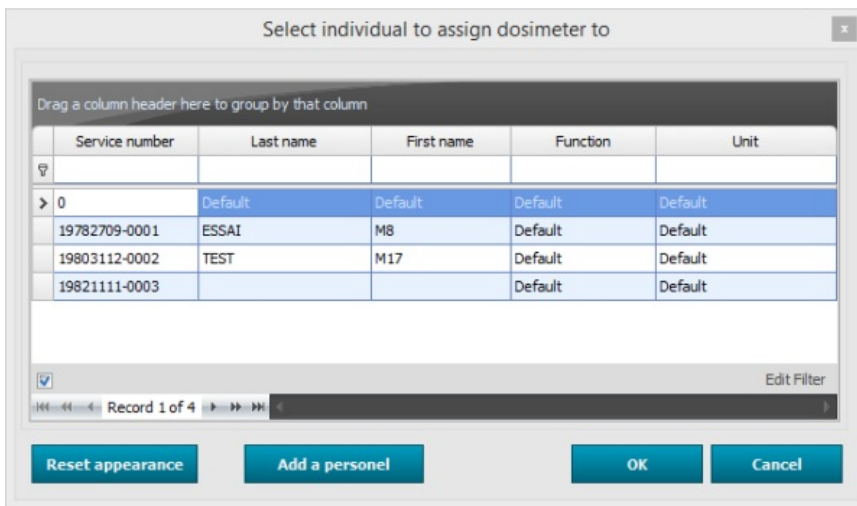
If you click "Cancel", the dosimeter will not be assigned.

Select an individual and click "OK" or double click to validate your choice:
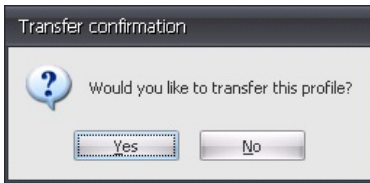

If you click "Yes", the system will assign the dosimeter to the selected individual.

If you click "No", the system allows you to choose another Individual.
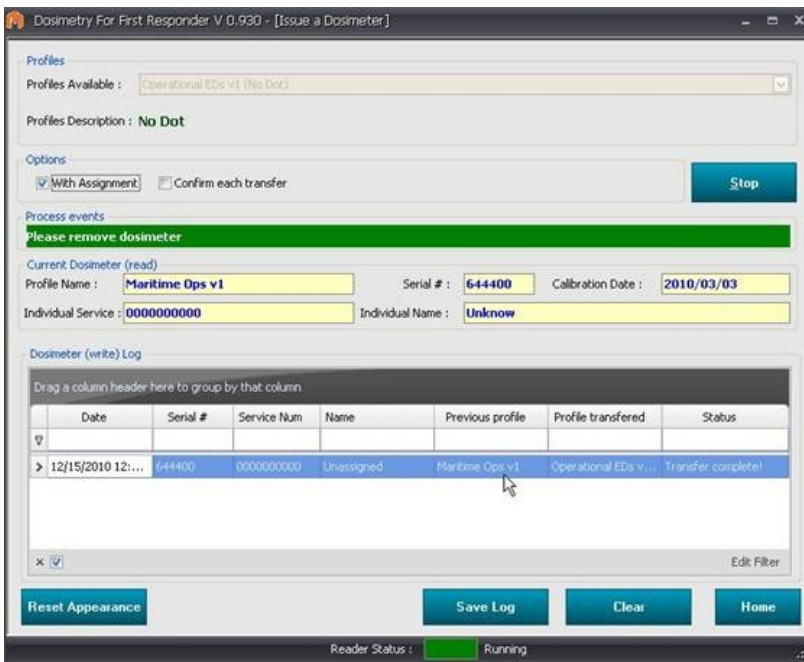
Profile transfer

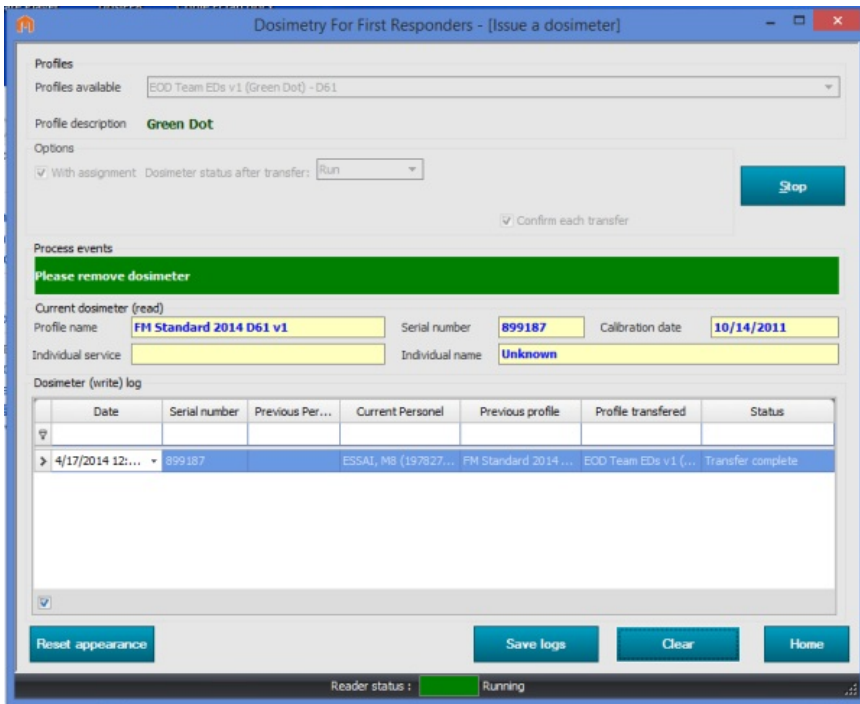If The following popup is displayed before the transfer:

Answering "No" will cause the issue process to stop.

The profile is then transferred on the dosimeter.The logs grid view displays information about this dosimeter configuration.
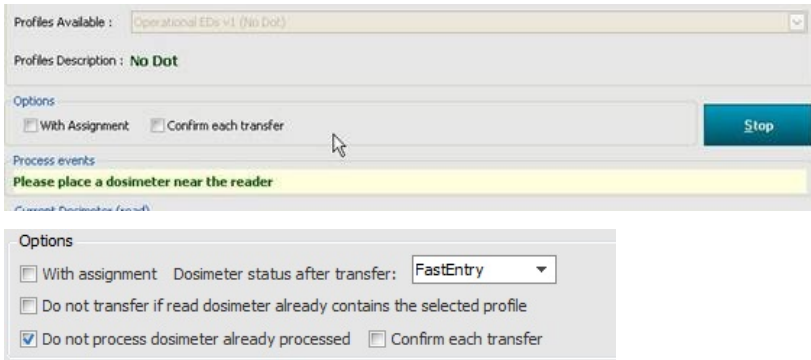
Once the process ended, move the dosimeter away from the reader:

These logs can be saved into an Excel file: click the "Save Log" button and enter a destination file name.

Process options*

"With Assignment" option
Check this option will cause the process to start at the "Dosimeter assignment choice" step. If the option is unchecked, the dosimeter current assignment will not be changed: if the dosimeter is not currently assigned, it will remain unassigned.

"Confirm each transfer" option
Uncheck this option will cause the process to skip the "Profile transfer" confirmation popup.

"Do not transfer if read dosimeter already contains the selected profile" option
If this option is checked, the profile on the dosimeter will not be overwritten if you want to transfer the same profile.

"Do not process dosimeter already processed" option
If this option is checked, the dosimeter will not be processed if it had already been processed in this session.

"Dosimeter status after transfer" option
Defines the status of the dosimeter after having been issued. Three possible choices :
- Fast Entry : the dosimeter is ready to be set in measurement mode, by pressing the dedicated button.
- Run : the dosimeter is in measurement mode.
- Pause : the dosimeter is in pause mode.

Option available depending on configuration

Return a Dosimeter screen

This screen allows you to :

- Retrieve data from dosimeter (dose, rate, historic, historic events).

- Set measure to one or many individuals.

- Set dosimeter empty for new use.

- Add measure manually to one or many individuals.

Individual Quick Add

Click the "Individual quick add" button to create a new Individual. The following popup will be displayed:
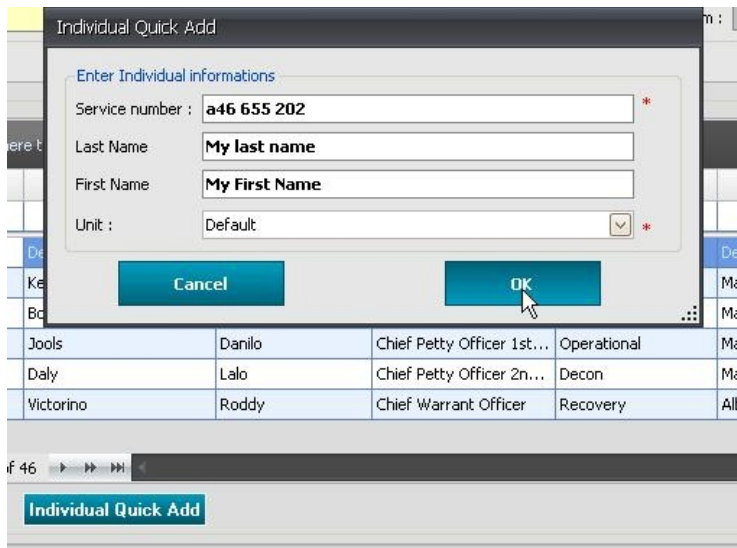
Fill the mandatory fields (at least) and click OK to validate your creation. The new individual now appears in the personnel list grid.

Note : only in France and when using DosiFFR with DosiServ to centralize data, the "Identifier" has to be the social security number (DosiServ is used to generate IRSN files and the worker is identified by his social security number).

Dosimeter detection

Click "Start" to start the dosimeter detection.The return process will start as soon as a dosimeter is detected by the reader.

To stop the detection, click "Stop".

Remark:

Do not remove a dosimeter during process! The dosimeter could have a wrong configuration.

Do not disconnect the usb reader when it is running.

Return process

Data retrievement

Once the dosimeter is detected, its main data is retrieved and displayed in the "Current Dosimeter" section:

Warning and Alarm indicators show you if the dosimeter has an alarm or warning alert.

Green: no alert or alarm.
Orange: dose or rate alert.
Red: dose or rate alarm.

Dosimeter assignment verification

If the dosimeter is currently assigned, the following popup is displayed:

If the dosimeter is currently assigned, but the Individual does not exist in the database, the quick add popup is displayed and the service number field is filled with the service number found into the dosimeter. See Individual Quick add.

Click "Yes" to validate the displayed assignment, "No" to choose your Individual / dose affectation .

Individual / dose affectation

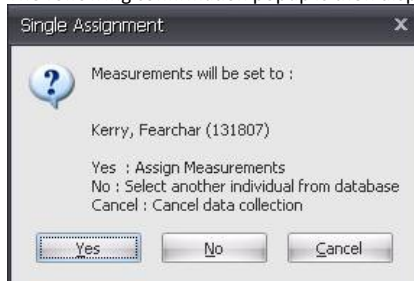Click on select button to affect current measures to an individual.

To add customized measures to an individual see [Manually Individual / dose affectation](#).

Single Individual / dose affectation

Select the individual whom doses must be affected to:
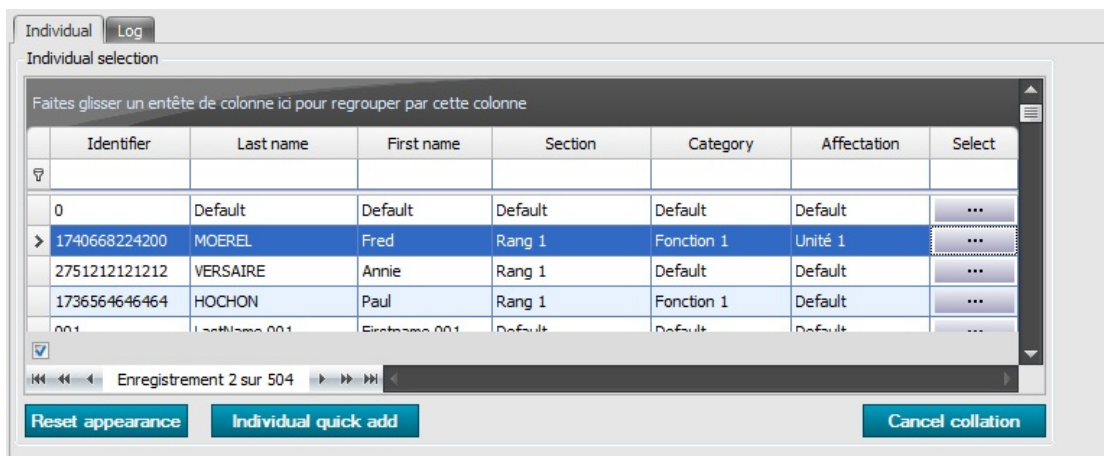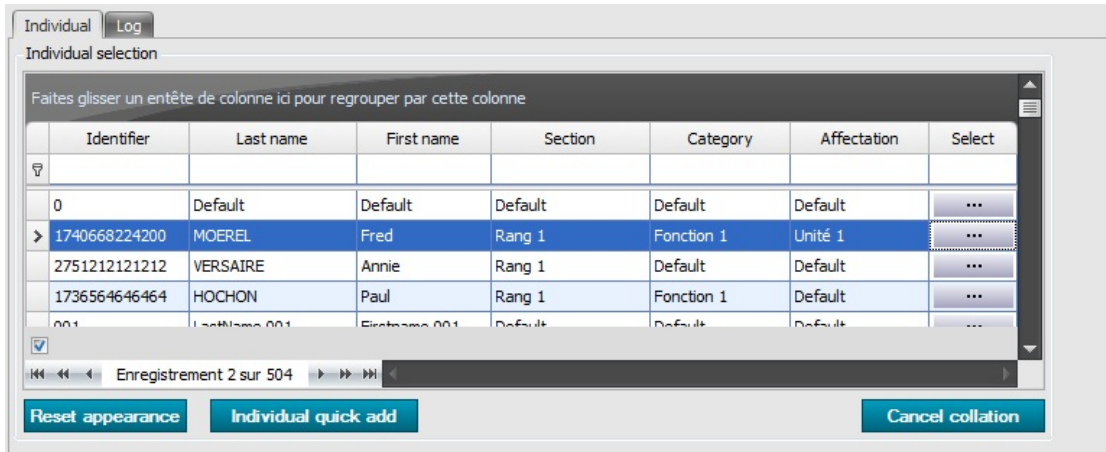

The following confirmation popup is then displayed:

Click "Yes" to validate your choice.
Click "No" to select another person.
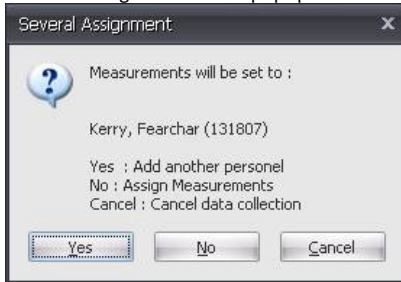Click "Cancel" to cancel the dose affectation.

Multiple Individual / dose affectation

Select one individual whom doses must be affected to (click its corresponding "Select" button):
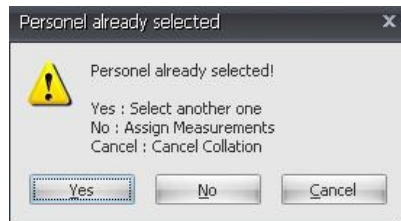
The following confirmation popup is then displayed:

Click "Yes" to validate this person and chose another one.
Click "No" to validate the current person selection.
Click "Cancel" to cancel the dose affectation.

If a person is added many times, the following message box is displayed:

Click "Yes" to chose another person.
Click "No" to validate the current person selection.
Click "Cancel" to cancel the dose affectation.

Manually Individual / dose affectation

Click on "Add measure manually button".

Function	Unit Name	Select	Add Measures manually
efault	Default	...	...
perational	Maritime Fo…	...	...
ADSO	Maritime Fo…	...	...

Dosimetry For First Responders v1.1.0 - [Return a dosimeter]

Options

☐ Assign to several individuals   ☑ Propose current assignment

☑ Unassign the dosimeter after process   ☐ Prepares the dosimeter again after process

☑ Display message on dose warning / alarm

Start

Process events

Detection stopped

Current dosimeter (read)

	Gamma	Beta	Neutron	
Profile name				
Calibration date	Dose			mSv
Serial number	Rate			mSv/h

Individual | Log

Individual selection

Faites glisser un entête de colonne ici pour regrouper par cette colonne

	Identifier	Last name	First name	Section	Category	Affectation	Add a measure manually
⊽							
	0	Default	Default	Default	Default	Default	...
>	1740668224…	MOEREL	Fred	Rang 1	Fonction 1	Unité 1	...
	2751212121…	VERSAIRE	Annie	Rang 1	Default	Default	...
	1736564646…	HOCHON	Paul	Rang 1	Fonction 1	Default	...
	001	LastName 001	Firstname 001	Default	Default	Default	...

|◄ ◄◄ ◄   Enregistrement 2 sur 504   ► ►► ►|

Reset appearance   **Individual quick add**

Home

Reader status [   ] Ready for use

This screen allows you to affect custom Gamma, Beta and Neutron dose and rate measure to an individual

Add a measure

Measure

Date :	2010/12/15 15:07:40	Service num :	156665
Serial :	644351	Name :	Daly, Lalo
Profile :	Default(1)	Unit :	Maritime Forces Pacific (…
Dose :	0.0 mrem	Rate :	0.0 mrem/h

Cancel   **OK**

Click "Ok" to add the measure to the selected individual. A message will ask confirmation:

Process options*

"Propose Current Assignment" option
If unchecked, this option will cause the process to skip the displaying of the current individual assignment when the dosimeter is currently assigned .

"Assign to several personnel" option
Check this option will cause the process to make a " Multiple Individual / dose affectation" instead of a "Single Individual / dose affectation" .

"Allow dosimeter to be unassigned" option
If this option is unchecked, the "Dosimeter unassignment " step is skipped. The current dosimeter assignment is kept .

"Reset the dosimeter measurements for new use" option
Uncheck this option will cause the process to stop the dosimeter instead of resetting it .

"Display message on Warning / Alarm" option
If this option is checked, a popup message will be displayed if a dose alert/alarm has been detected .

*Option available depending on configuration

Report screen

This screen display log information's and historic event for each dosimeter processed.

These Logs can be saved into an Excel file: click the "Save Log" button and enter a destination file name.

How to use the Data Grids

Data Grids are used in several screens of the DosiFFR application. This section describes the capabilities provided by this element, which represents data in a tabular form, supports data editing, sorting, grouping, filtering, and other features:

Drag a column header here to group by that column

Service number	LastName	FirstName	MiddleName	Rank	Function	Group Name
131807	Kerry	Fearchar	Daren	Corporal (Cpl)	Junior Ranks	Maritime Forces Paci…
147219	Bobby	Celino	Fulgenzio	Naval Cadet (NC…	Junior Officers	Maritime Forces Paci…
150778	Jools	Danilo	Issy	Private (Pte)	Privates	Maritime Forces Paci…
156665	Daly	Lalo	Clair	Chief Petty Offic…	Senior Ranks	Maritime Forces Paci…
217012	Victorino	Roddy	Paden	Captain (Capt)	Senior Officers	Alberta
247142	Enrico	Frederick	Derryl	Sub-Lieutenant (…	Senior Officers	Alberta
254202	Conner	Ermanno	Freeman	Chief Petty Offic…	Senior Ranks	Alberta
293496	Evelyn	Kiefer	River	Sub-Lieutenant (…	Senior Officers	Alberta
298701	Judd	Garry	Wyatt	Lieutenant (N)	Senior Officers	Alberta
306987	Briar	Águeda	Ansley	Sub-Lieutenant (…	Senior Officers	Alberta
313792	Ode	Cristoforo	Biagino	Chief Warrant O…	Senior Ranks	Alberta
363872	Daryl	Christopher	Pepe	Leading Seaman …	Junior Ranks	Alberta
380940	Yago	Ian	Tòmas	Chief Warrant O…	Senior Ranks	The Canadian Expe…
388706	Timmy	Deandre	Briar	Sub-Lieutenant (…	Senior Officers	The Canadian Expe…
397020	Rodolph	Gregorio	Adolph	Master Warrant …	Senior Ranks	The Canadian Expe…

Record 6 of 45 — Edit Filter

Data Presentation
- Navigate through records
- Sort rows
- Group rows
- Filter data
- Reset presentation

Data Editing
- Edit cells content
- Add a new row
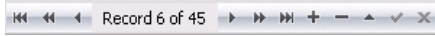- Delete a row
- Validate changes
- Discard changes

Customization
- Hide / display columns

How to navigate through Data Grids records

The navigation through the rows of the data grid can be done either by keyboard, or using the navigation control at the bottom of the grid:

	Action	Keyboard shortcut
	Action	**Keyboard shortcut**
	Focus the first row	CTRL + HOME
	Move one page backward	PAGE UP
	Focus the previous row	DOWN
	Display rows information :	
Record 44 of 45	• Selected entry number	-
	• Total rows count	
	Focus the next row	UP
	Move one page forward	PAGE DOWN
	Focus the last row	CTRL + END

How to sort grid rows

To sort records by a column's values, click the target column's header, until an Up or Down Arrow icon is displayed within the header. The Up and Down Arrows indicate ascending and descending sort orders respectively.

The "LastName" column has been sorted in ascending order:

Service number	LastName ▲	FirstNa
> 679735	Abe	Garret
617935	Alphonzo	Lawrie
796928	Asher	Reynard

The "LastName" column has been sorted in descending order:

Service number	LastName ▼	FirstNar
> 380940	Yago	Ian
464320	William	Gerry
648231	Walter	Donat

To remove sorting by a column, click a column header while holding the CTRL key down. You can also select "Clear Sorting" from the column header context menu.

How to group grid rows

To group records by a specific column, drag the column header from the column header line to the group panel:

Function ▲					
Service number	LastName	FirstName	MiddleName	Rank	Group Name
⊟ **Function: Junior Officers**					
617935	Alphonzo	Lawrie	Quentin	Officer Cadet (OCdt)	The Land Force Atlantic ...
147219	Bobby	Celino	Fulgenzio	Naval Cadet (NCdt)	Maritime Forces Pacific (...
566103	Melvin	Tayler	Beathan	Second Lieutenant (...	The Land Force Wester...
481080	Quinten	Liborio	Roberto	Lieutenant (Lt)	The Land Force Wester...
453738	Tobin	Colombo	Celso	Acting Sub-Lieutena...	The Land Force Wester...
464320	William	Gerry	Fulke	Second Lieutenant (...	The Land Force Wester...
⊞ **Function: Junior Ranks**					
⊟ **Function: Privates**					
924487	Gale	Ray	Nicol	Private (Pte)	The Land Force Quebec...
918156	Gus	Jaiden	Rob	Ordinary Seaman (OS)	The Land Force Quebec...
150778	Jools	Danilo	Issy	Private (Pte)	Maritime Forces Pacific (...
⊞ **Function: Senior Officers**					
⊞ **Function: Senior Ranks**					

To cancel the grouping function, drag back the grouped column header to the column header line:

Function ▲					
Service number	LastName	FirstName	MiddleName	Rank	Group Name
⊟ **Function: Junior Officers**					
617935	Alphonzo	Lawrie	Quentin	Officer Cadet (OCdt)	The Land Force Atlantic ...
147219	Bobby	Celino	Fulgenzio	Naval Cadet (NCdt)	Maritime Forces Pacific (...
566103	Melvin	Tayler	Beathan	Second Lieutenant (	The Land Force Wester

How to filter grid data

To filter records by a column's values, type the desired filtering value in the corresponding cell of the filter line.

In the following example, only rows with a rank containing "chief" are displayed:

Service number	LastName ▲	FirstName	MiddleName	Rank ▽	Function	Group Name
				chief		
❯ 254202	Conner	Ermanno	Freeman	Chief Petty Offic…	Senior Ranks	Alberta
156665	Daly	Lalo	Clair	Chief Petty Offic…	Senior Ranks	Maritime Forces Paci…
864150	Eberardo	Monte	Godfrey	Chief Petty Offic…	Senior Ranks	The Land Force Que…
313792	Ode	Cristoforo	Biagino	Chief Warrant Of…	Senior Ranks	Alberta
380940	Yago	Ian	Tòmas	Chief Warrant Of…	Senior Ranks	The Canadian Expe…

To remove sorting by a column, empty the filtering cell of the filter line. You can also select "Clear Filter" from the column header context menu.

How to reset the Data Grid presentation

To reset the presentation of the Data Grid and remove any sort / group / filter, just click the "Reset Appearance" button at the bottom the grid:

How to edit grid cells

Do one of the following:

- Click a cell,

- Focus a cell and press ENTER,

- Focus a cell and click the navigation control's "Edit" button:

Edit your cell and validate your changes .

How to add a new row

Click the "Append" button of the navigation control:

Edit the new cells values and validate your changes .

How to delete a row

Focus the row you want to remove and click the "Delete" button of the navigation control:

How to validate your changes

Click the "End Edit" button of the navigation control:

How to rollback your changes

To discard changes made in one cell, press ESC.

To discard changed made in many cells of a row, do one of the following:

- Press ESC twice,

- Click the "Cancel Edit" button of the navigation control: ✖

How to hide / display a column

Hide a displayed column

To hide a displayed column from the grid, drag its header onto the cells area and drop it:

Display a hidden column

To display a hidden column onto the grid, right click on the header line and chose "Column Chooser" from the context menu:

The Customization Form will be displayed, listing all hidden columns:

Drag the required column from the Customization Form onto the column header line and drop it where you want it to be.

Export / Reporting tool

the reporting tool provides different reports in order to manage the dosimetry :

- Differents extractions are available (CSV files, XLS files and PDF files).

- it's possible to use this reporting tools with differents Mirion Databases. The differents connections could be setup in the "Database connection ssettings" screen.

- Mirion could provide news "plugins reports" which could be imported in this installation


Database settings
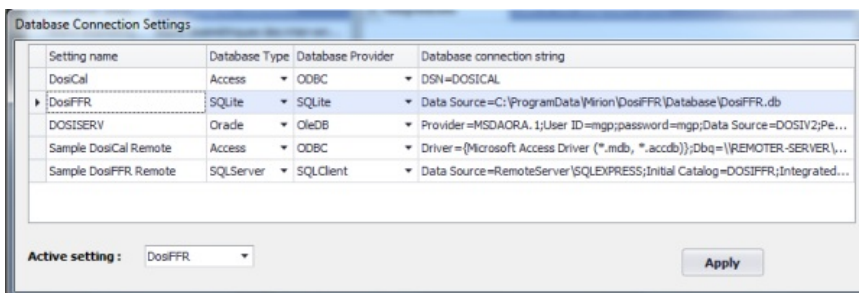
This screen is opened by clicking on the Database Settings link [Database Settings] :

- the dosiExorter have 2 pre configured database and tree Sample with differents database type.

- the Active setting is the active connection. Only the reports available for the current Database type is displayed.

Importing a Plugin

The link **Available Plugins** show the list of the plugins :
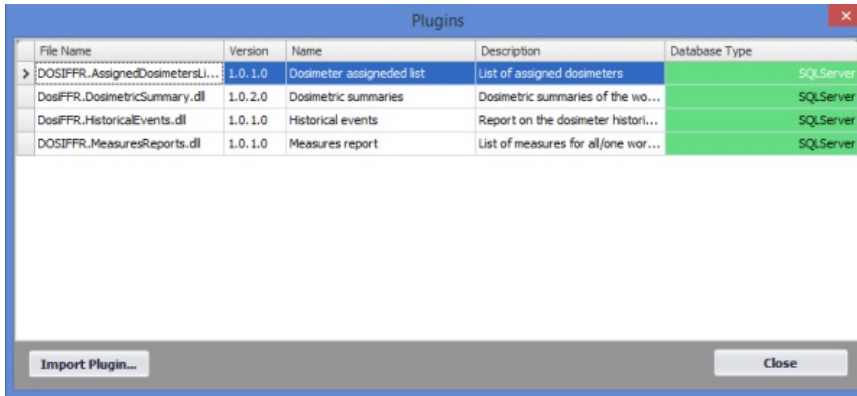
in order to add a new report , an import button is available.
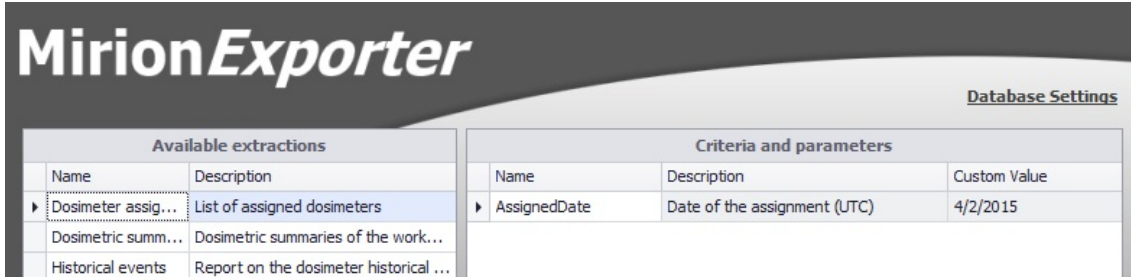A click on this button will open this screen
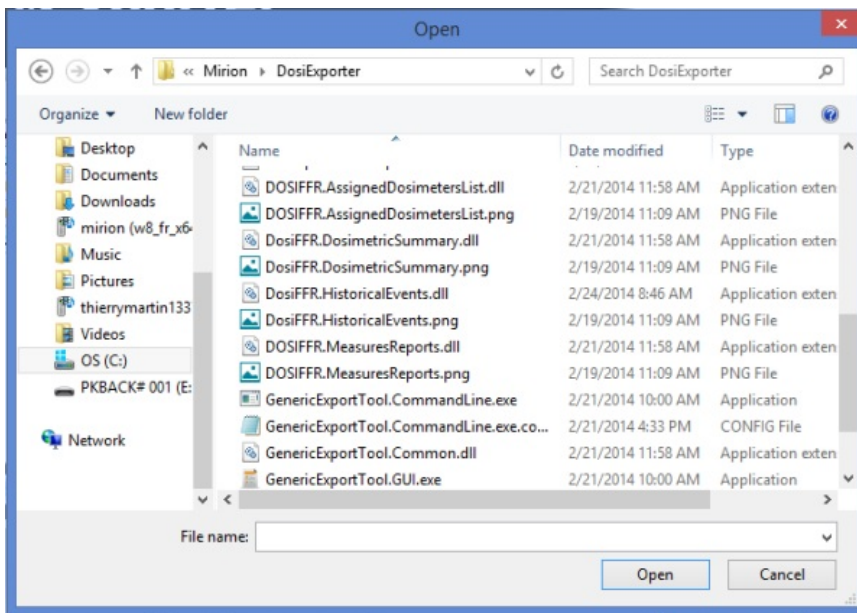
Select the new plugin (usualy a Dll file) and click on open.

Assigned dosimeters report

Generalities

This report presents the list of every assigned dosimeters at a specific date.

The report logo can be changed by creating an image file called "DosiFFR.AssignedDosimetersList.jpg" in the exporter installation directory

Available filters and criteria
The following filters are available :

- AssignedDate : date of the assignment on which the report will be filtered. Optional.

Example

Dosimetric summary report

Generalities

This report presents the dosimetric summary of every worker matching with the specified criteria.
Dose sums are displayed for the following durations :
- current day
- current week
- current month
- current year

The report logo can be changed by creating an image file called "DosiFFR.DosimetricSummary.jpg" in the exporter installation directo

Available filters and criteria

The following filters are available :

- Unit: Dose unit displayed in the report. Mandatory. Available values :
  - mSv
  - µSv
  - mRem

- ID: Id of a particular worker. Optional.

- LastName: Last name of a particular worker. '%' can be used as a joker character. Optional.

- FirstName: First name of a particular worker. '%' can be used as a joker character. Optional.

Example

MIRION TECHNOLOGIES

Dosimetric Summaries

Reports criteria :

Service number: All

Last name: All

First name: All

Report date: 3 10 2015 6:36:29 PM

Unit : mSv

Default Default

Service number: 0

Company: Default

Social security code: Default

	Gamma Hp(10)	Beta Hp(0.07)	Neutron
Day dose sum:	0	0	0
Week dose sum:	0	0	0
Month dose sum:	0	0	0
30 days dose sum:	0	0	0
Year dose sum:	0	0	0
365 days dose sum:	0	0	0
5 years dose sum :	0	0	0

HOCHON Paul

Service number: 1736564646464

Company: Default

	Gamma Hp(10)	Beta Hp(0.07)	Neutron
Day dose sum:	0	0	0
Week dose sum:	0	0	0
Month dose sum:	0	0	0
30 days dose sum:	0.965	0.679	0
Year dose sum:	0.965	0.679	0
365 days dose sum:	0.965	0.679	0
5 years dose sum :	0.965	0.679	0

Historical events report

Generalities

This report presents the details of the dosimeter historical of every worker / dosimeter matching the specified criteria, during the specified period.

The report logo can be changed by creating an image file called "DosiFFR.HistoricalEvents.jpg" in the exporter installation directory

Available filters and criteria
The following filters are available :

- Unit: Dose unit displayed in the report. Mandatory. Available values :
  - mSv
  - µSv
  - mRem

- ID: Id of a particular worker. Optional.

- Dosimeter: Identifier of a particular dosimeter. Optional.

- FromDate: Filter start date. Mandatory.

- ToDate: Filter end date. Mandatory.

Example

MIRION TECHNOLOGIES — *Historical Events Highlights*

Reports criteria :

Dosimeter : All	From date : 8/28/2013
ID : All	To date : 2/28/2014

Measure Date (UTC) : 1/29/2014 9:35:29 AM   **Dosimeter : 01901106**

Personel : ░░░░░   ░░░░░   4112

Dose (mSv): 0   **Max Rate (mSv/h):** 0   **Duration (s):** 14

Event Date (UTC)	Event Message
1/23/2014 2:14:45 PM	In run mode
1/23/2014 2:15:15 PM	Primary dose warning
1/23/2014 2:15:25 PM	Primary rate warning
1/23/2014 2:15:36 PM	Primary dose alarm
1/23/2014 2:15:36 PM	Primary rate warning end
1/23/2014 2:15:48 PM	Primary dose alarm end
1/23/2014 2:15:55 PM	Primary dose warning end
1/23/2014 2:16:22 PM	Duration alarm
1/23/2014 2:17:04 PM	Duration alarm end
1/23/2014 2:17:08 PM	Dose (mSv): 0.3 Max Rate (mSv/h): 0
1/23/2014 2:17:08 PM	In pause
1/23/2014 2:20:45 PM	In run mode

Measure Date (UTC) : 1/29/2014 9:40:01 AM   **Dosimeter : 01901106**

Personel : ░░░░░   ░░░░░   4112

Dose (mSv): 0   **Max Rate (mSv/h):** 0   **Duration (s):** 17

Measures report

Generalities

This report presents the details of the measures for each worker matching the specified criteria, during the specified period.

The report logo can be changed by creating an image file called "DOSIFFR.MeasuresReports.jpg" in the exporter installation directory

Available filters and criteria

The following filters are available :

- FromDate: Filter start date. Mandatory.

- ToDate: Filter end date. Mandatory.

- ID: Id of a particular worker. Optional.

- Mode: Type of inserted dose. Mandatory. Available values:
  - Measurements and manual doses
  - Measurements
  - Manual doses

- Unit: Dose unit displayed in the report. Mandatory. Available values :
  - mSv
  - µSv
  - mRem

Example

MIRION TECHNOLOGIES

List of measures

Reports criteria :

Service number : All

Mode : Measurements and Manual doses

From date : 9/10/2014

To date : 3/10/2015

Personel : LASTNAME 001	Firstname 001	001

Doses Gamma Hp(10)

Mode	Date of the measure (UTC)	Dose (mSv)	Duration (mn)	Dosimeter	Profile used	Warning / Alarm
	2/22/2015 3:30:06 PM	0.065	74,388	01901006	FM Standard 2014 D71 (v1)	
	2/26/2015 3:36:30 PM	0.065	74,388	01901006	FM Standard 2014 D71 (v1)	
	3/4/2015 4:18:53 PM	0		01901145	FM Standard 2014 D71 (v1)	
	3/4/2015 4:19:29 PM	0		01901145	FM Standard 2014 D71 (v1)	
	3/5/2015 10:09:08 AM	0	4	01901006	FM Standard 2014 D71 (v1)	
	Sum :	0.13	148,780			

Doses Beta Hp(0.07)

Mode	Date of the measure (UTC)	Dose (mSv)	Duration (mn)	Dosimeter	Profile used	Warning / Alarm
	2/22/2015 3:30:06 PM	0.32	74,388	01901006	FM Standard 2014 D71 (v1)	
	2/26/2015 3:36:30 PM	0.54	74,388	01901006	FM Standard 2014 D71 (v1)	
	3/4/2015 4:18:53 PM	0		01901145	FM Standard 2014 D71 (v1)	
	3/4/2015 4:19:29 PM	0		01901145	FM Standard 2014 D71 (v1)	
	3/5/2015 10:09:08 AM	0	4	01901006	FM Standard 2014 D71 (v1)	
	Sum :	0.86	148,780			

In the report, some icons can be displayed next to the measure line :

⚠ means that the dosimeter dose warning threshold has been reached.

🛑 means that the dosimeter dose alarm threshold has been reached.

Command-line tool

```
C:\Program Files (x86)\Mirion\DosiExporter>".\GenericExportTool.CommandLine.exe"
"Historical events" "2013-02-28" "2014-02-28" "" "" "0" "PDF" "EventList.pdf"
Query: Historical events
Parameters:
 - FromDate: 2/28/2013
 - ToDate: 2/28/2014
 - Dosimeter:
 - ID:
 - Unit: 0
Export type: PDF
Export file: EventList.pdf

Generation in progress ...............................................................
...............................................................................
```

The Reporting tool could be use in a planned task :

A command file must be created with the following informations :

- Executable to start

- Name of the report to use

- Parameter of the report

- Type of Extraction File (CSV,XLS or PDF)

- Name of the file to create.

example :

```
".\GenericExportTool.CommandLine.exe" "Historical events" "2013-02-28" "2014-02-28" "" "" "0" "PDF"
```

Differents examples are available in the folder "Sample Bat Files"