

VOLVO

PVT Manager



Quick Tutorial

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System Demands

Purpose

The PVT Manager provides a set of tools to manage the PVT test cases and to create test case sequences.

Installation

Use installation package provided by eFACTS support when installing for the first time. Version updates of the application will be automatically performed at start up.

User Rights:

The application has 4 different user right levels that give access to different functionalities. Administrator, Editor, Testleader and Guest. In this tutorial the different user right levels are represented by the following icons.

Administrator: 

Editor: 

Test Leader: 

The "Guest" user level is not considered (view functionality only).

These symbols are used in the presentation to show access to different functionality.

Roles:

A user can also be given different roles that will have impact on the application functionality.

These roles mainly control the functionality regarding test case editing and handling of jobs.

An administrative role for system configuration are also available.

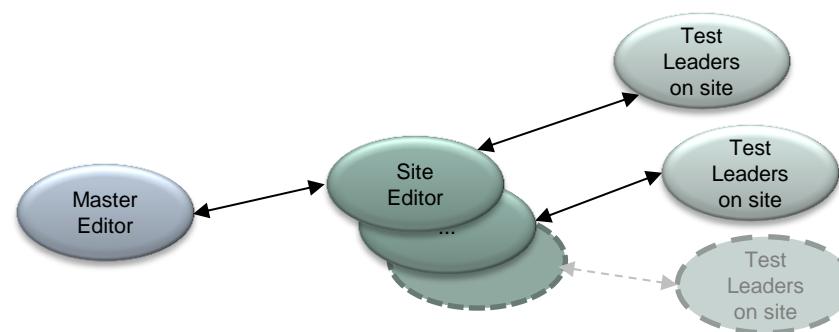
Editor Roles

There are 3 different editor roles.

- Master Editor
- Site Editor
- Test Leader

Administrative Roles

- Tools



Access

You log on to the application by using your Volvo network credentials. If you don't have access to the PVT Manager you can apply for it by using the link at the bottom of the Log In form.



The screenshot shows the 'PVT Manager Application Form' window. It contains fields for Name ('Qvist Jonas'), User Id ('t056680'), Dept ('BF59070'), Phone ('+46 31 3225844'), and E-mail ('Jonas.Qvist@volvo.com'). Below these are sections for 'Reason for using PVT Manager:' (with an empty text area), 'I need user level:' (with radio buttons for 'Editor', 'Test Leader' (which is selected), and 'Guest'), and 'Send Application' and 'Cancel' buttons.

Managing Test Cases – Main View



PVT TEST CASE MANAGER

PVT Test Case Editor | PVT Test Sequences | Truck Function List Editor | Reports | Vehicle Localizer | Vehicle Specifications | Vehicle Planner | Tool Box

Load Test Cases | ER Report

Start by loading the test cases from the database.

Drag a column header here to group by that column.

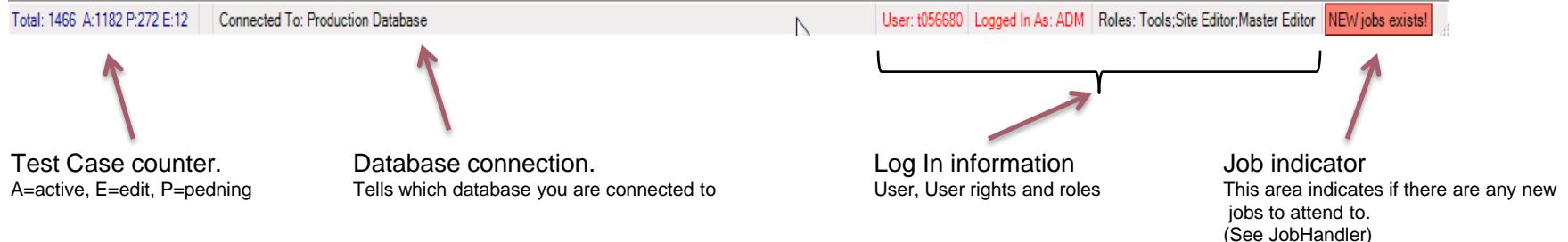
VOLVO KENWORTH UD MACK EICHER VOLVO FENDT SDLG PREVOST NOVABUS

Connected To: Production Database

User: t056680 | Logged In As: ADM | Roles: Tools:Site Editor;Master Editor | NEW jobs exists!

Managing Test Cases – Main View

Statusbar information:



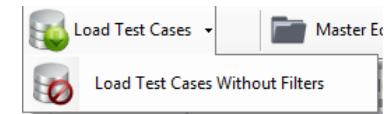
Managing Test Cases – Main View

Column field chooser
Customize your column selections

The screenshot shows the PVT Test Case Manager interface. On the left, a 'Field Chooser' dialog is open, allowing users to select columns for the main grid. The main grid displays test cases with columns for ID, Description, Version, and Status. A tooltip indicates that users can click on the column header selector to change the view. The status column uses color coding to indicate the test case's status: red for Old, blue for Edit, green for Active, and grey for Pending.

ID	Description	Version	Status
1175.1	Difflock: The function will lock both wheels drive the same amount, can be locked between turn truck check steering. Set Case: Turn truck enough so pusher axle or tag react through steering. Stop truck with pusher axle in a steering angle and pusher axle. Headlight adjustment.	1175.1	Verify that each diff. locks corresponding icon is lit in the DID. Wheel should twist back to straight forward position before wheel being lifted.
23-HDV	Precondition: Pre-running mode. Test case: Move the lamps to the extreme upper/downer position.	No Demands	E
607.2	Force pop-up for expected behavior. Preconditions: - Running - Driver Coaching must be activated for current vehicle.	No Demands	A
694.1	Auxiliary Brake Status Display. Test Case: Use Auxiliary brake when auxiliary brake is in use.	No Demands	P
693.1	AUX brake indication. Precondition: Driving. Test Case: Use the auxiliary brake during driving and check the indication in cluster.	No Demands	A

Total: 1467 A:1185 P:270 E:1



The filter settings are saved and restored when loading the grid using "Load Test Cases". The restore to default settings use "Load Test Cases Without Filters".

Test Case Status

Old: This status is not shown in the main grid. Select a test case and press "Single TC" to show history.

Edit: This test case is incomplete and is not available in sequences.

Active: This test case is complete and can be used in sequences.

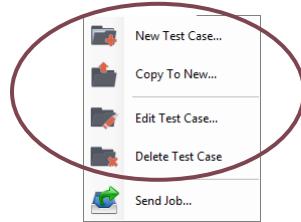
Pending: This test case is made inactive and is not available in sequences.



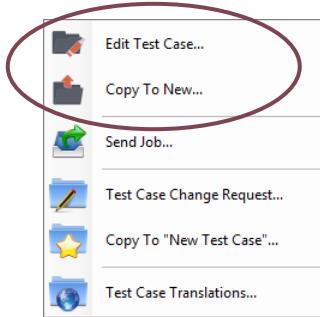
Editing test cases in database:



The menu items for editing test cases are marked with black folder symbols. You can use the "Master Edit" menu in the toolbar or the context menu which will appear if you right click on the grid after selecting a test case.



Master Edit



Context menu

The form for editing testcases can be opened in 3 different ways.

New Test Case: Opens an empty form.

Copy To New: Copies a selected test case into the form to use as a template.

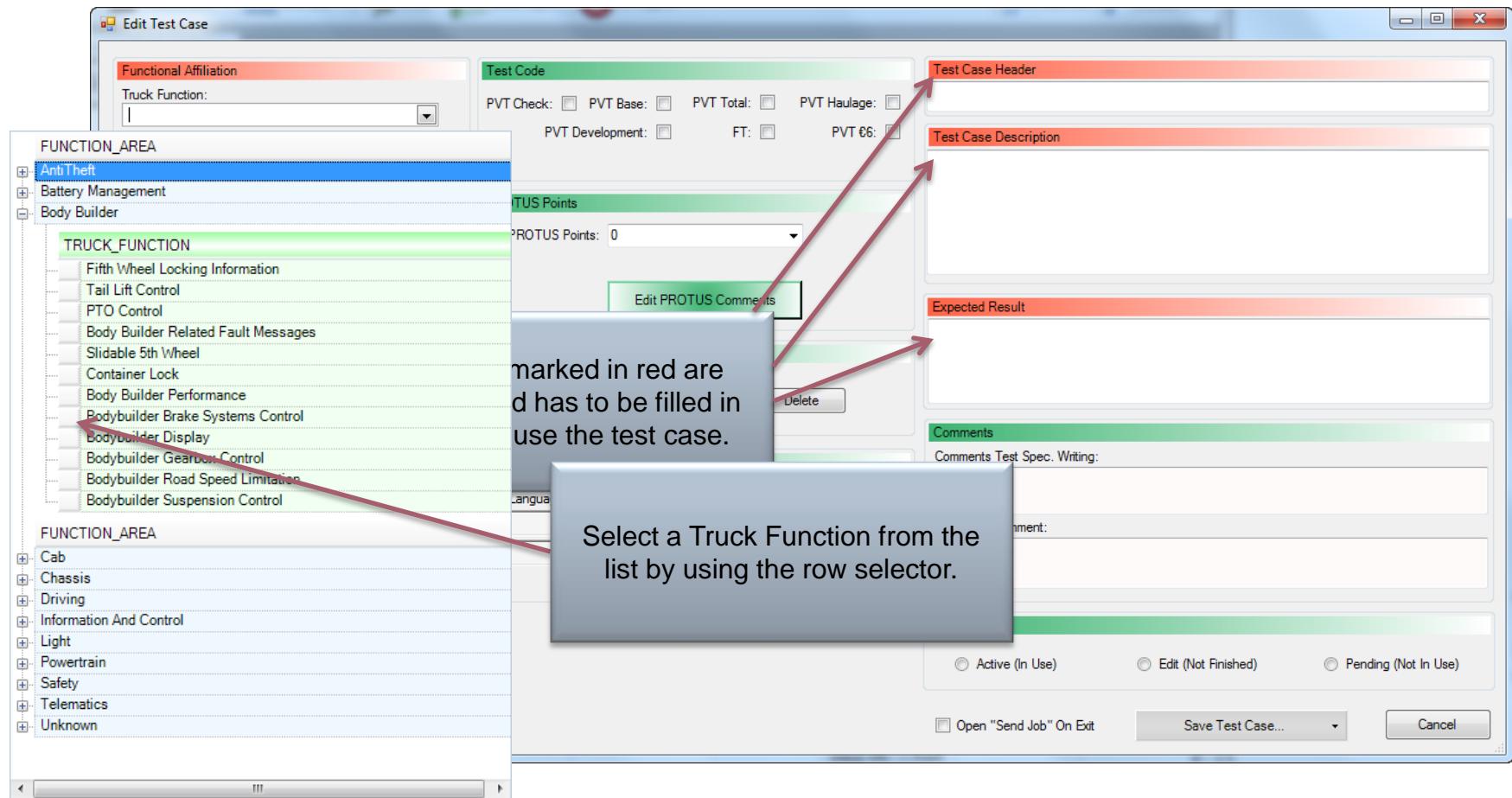
Edit Test Case: Opens selected test case for editing.

The screenshot shows the 'PVT Test Case Request Form // Loaded Test Case Version 502.1' window. The interface is divided into several sections:

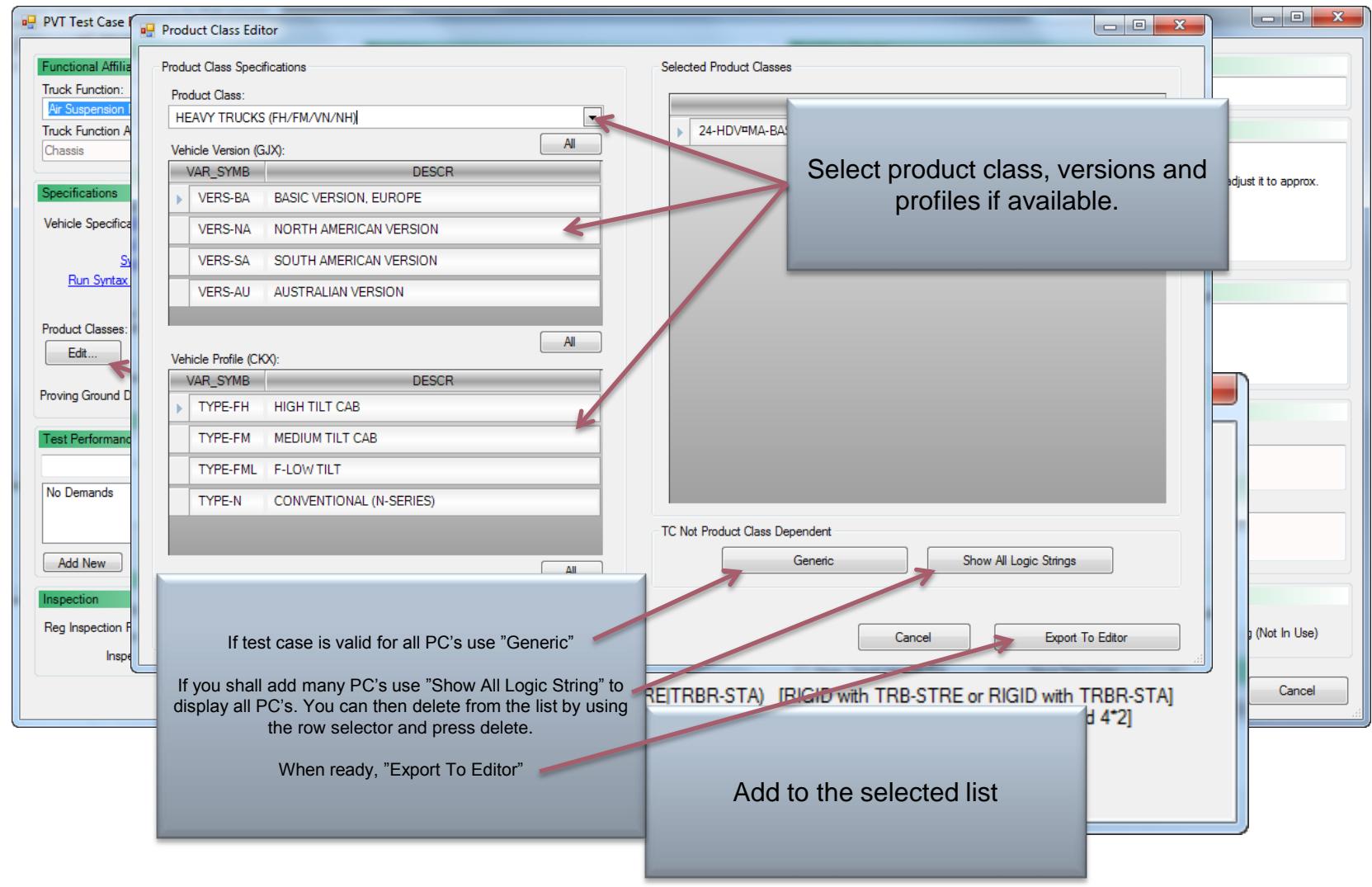
- Functional Affiliation:** Includes 'Truck Function:' dropdown (set to 'Air Suspension Manual Control'), 'Truck Function Area:' dropdown (set to 'Chassis'), and 'PROTUS Points' section.
- Test Code:** Contains checkboxes for 'PVT Check', 'PVT Base', 'PVT Total', 'PVT Haulage', 'PVT Development', 'FT', and 'PVT 66'.
- Test Case Header:** A text area containing 'Raise and lower suspension with ECS'.
- Test Case Description:** A text area containing 'RC ECS:
Test Case: Lower the front air suspension to min. height, raise it to max and then adjust it to approx. driving height.'
- Expected Result:** A text area containing 'As expected by the driver'.
- Comments:** A text area containing 'Comments Test Spec. Writing:'.
- Translations:** A section showing language status for 'SWEDISH' (green), 'FRENCH' (green), 'PORTUGUESE' (red), and 'JAPANESE' (red).
- Test Performance:** A section showing 'No Demands' and buttons for 'Add New' and 'Clear'.
- Inspection:** A section showing 'Reg Inspection Rating:' and 'Inspection:' checkbox.
- Status:** A section with radio buttons for 'Active (In Use)', 'Edit (Not Finished)', and 'Pending (Not In Use)'.

At the bottom right are buttons for 'Open "Send Job" On Exit', 'Save Test Case...', and 'Cancel'.

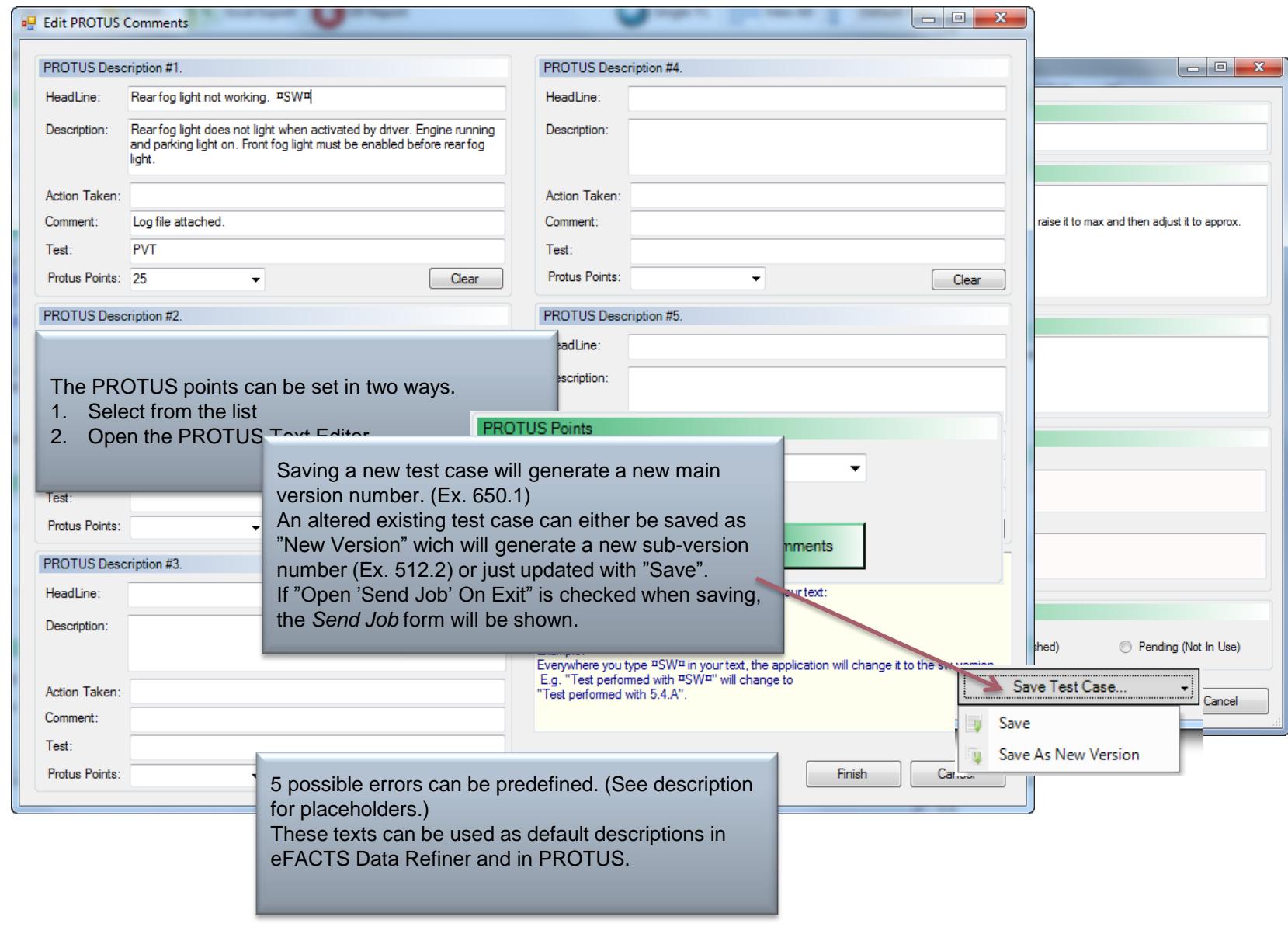
Managing Test Cases – Editing



Managing Test Cases – Editing



Managing Test Cases – Editing



Managing Test Cases – Editing

Deleting test cases in database:



The menu items for editing test cases are marked with black folder symbols. You can use the "Master Edit" menu in the toolbar or the context menu which will appear if you right click on the grid after selecting a test case.

Master Edit

Delete Test Cases

Test Case

TC_INDX	VERSION	HEADER	TF_AREA	TRUCK_FUNCTION	STATUS	Connections
1156	1		Chassis	Air Suspension Load Co...	O	
1473	1		Chassis	Air Suspension Load Co...	P	
1639	1		Chassis	Air Suspension Load Co...	A	

Be careful if data is connected to a test case!

This Test Case has more than one version. What do you want to do?

Remove all versions
 Remove selected versions
 Rollback to previous version

Connections:

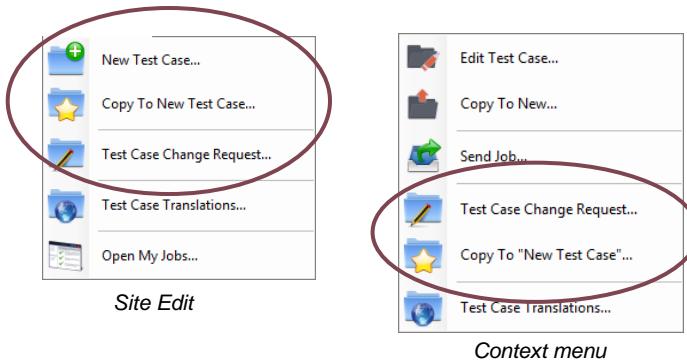
Execute Exit



Requesting for new test cases or changes in existing test cases:



As a user with test leader user rights you can only request for new test cases or changes. You cannot edit the database content. The menu items for change requests are marked with blue folder symbols. You can use the "Site Edit" menu in the toolbar or the context menu which will appear if you right click on the grid after selecting a test case.



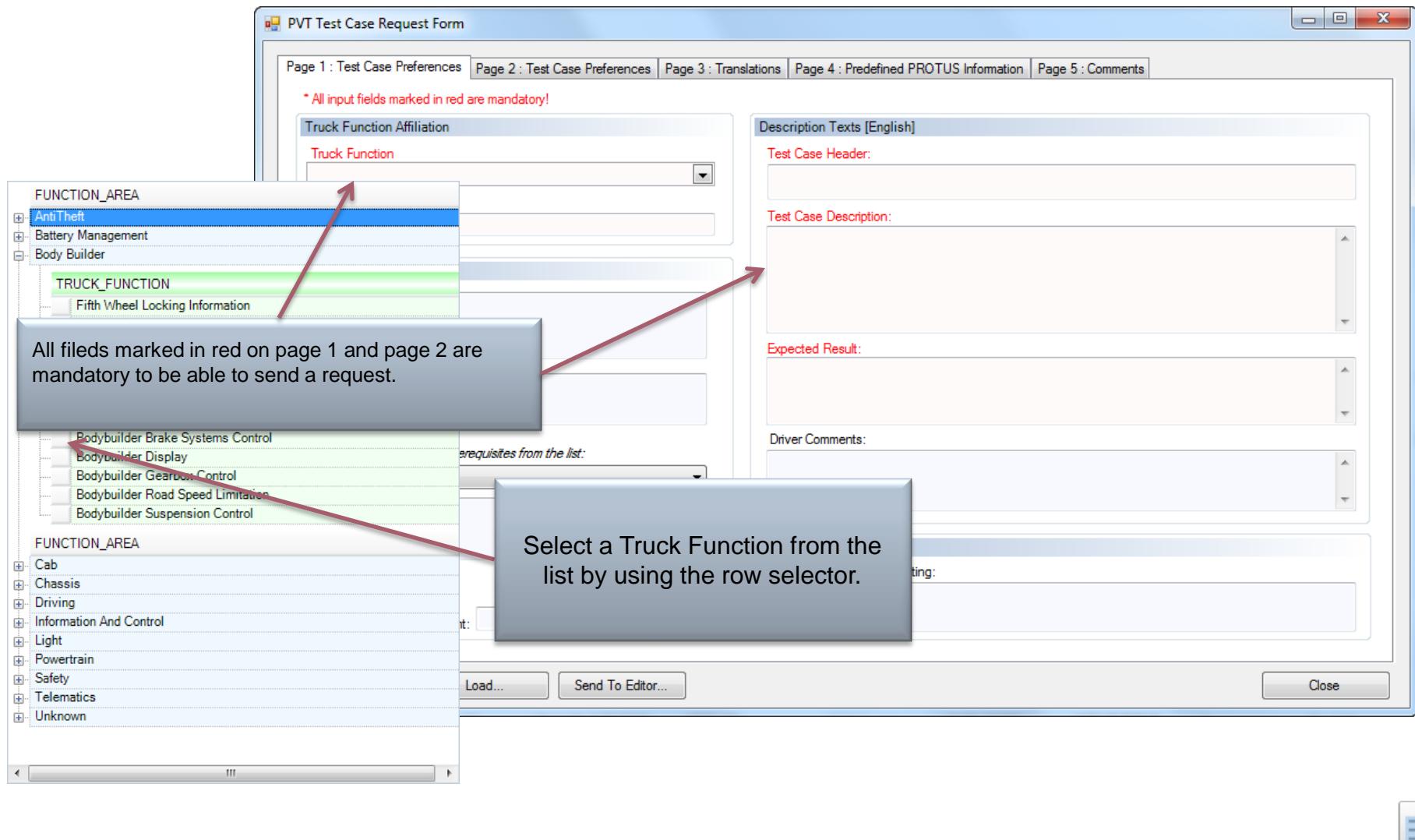
The form for requesting changes can be opened in 3 different ways.

New Test Case: Opens an empty form.

Copy To New: Copies a selected test case into the form to use as a template.

Edit Test Case: Opens selected test case for editing.

Managing Test Cases – Change Requests



Managing Test Cases – Change Requests

The screenshot shows the 'Product Class Editor' window. On the left, under 'Product Class Specifications', there's a dropdown menu set to 'HEAVY TRUCKS (FH/FM/VN/NH)'. Below it, a table lists vehicle versions: VERS-BA (BASIC VERSION, EUROPE), VERS-NA (NORTH AMERICAN VERSION), and VERS-SA (SOUTH AMERICAN VERSION). To the right, a 'Selected Product Classes' list shows '24-HDV-MA-BA'. A callout box points to the top-left area with the text: 'Select product class, versions and profiles if available.'

You can add one or more prerequisites to the test case that can be used later on for sorting and filtering.

If test case is valid for all PC's use "General"

If you shall add many PC's use "Show All Logic" to display all PC's. You can then delete from the list the row selector and press delete.

When ready, "Export To Editor"

A modal dialog titled 'Syntax - Vehicle Specification Filter' is open at the bottom center. It contains the following text:

Vehicle Specification Filtering is used to filter out all Test Cases that do not apply to the selected vehicle when extracting test case sequences.

The following rules apply for Vehicle Specification Filtering:
The specifications are given by using the VARIANT descriptions.
You can combine one or more variants into logical expressions.

Use the following logical representations:
AND = &&
OR = ||
NOT = !

Example 1: RIGID&&(TRB-STRE|TRBR-STA) [RIGID with TRB-STRE or RIGID with TRBR-STA]
Example 2: SUSPL-EC&&!4*4&&!4*2 [SUSPL-EC on any axle combination but 4*4 and 4*2]

Managing Test Cases – Change Requests

PVT Test Case Request Form // Loaded Test Case Version 22.1

Page 1 : Test Case Preferences Page 2 : Test Case Preferences Page 3 : Translations Page 4 : Predefined PROTUS Information Page 5 : Comments

Inspection

Reg Inspection
2

Inspection

PROTUS points are either set by selecting from the list or by using the predefined texts on page 4.
If you have set predefined PROTUS information, the selection list is locked.

Test Codes

Note: Test Case will always be a part of PVT Total

PVT Check PVT Base PVT_Total PVT Haulage

PVT E6 PVT Development FT

PROTUS Rating

If you don't use Predefined PROTUS Information, you shall set the rating here. Otherwise this list is locked.

PROTUS Points Rating:

List locked by PROTUS Text Editor

Photo

You can attach a photo to the test case. E.g. a photo of a display showing the correct performance. The photo shall be png-format.



Save... Load... Send To Editor... Close

Managing Test Cases – Change Requests

This page is for viewing only. Language translations are performed in a separate form.
Switch between languages.

NOTE: View only! Languages are edited in separate form opened from the main menu.

PVT Test Case Request Form // Loaded Test Case Version 22.1

Page 1 : Test Case Preferences | Page 2 : Test Case Preferences | Page 3 : Translations | Page 4 : Predefined PROTUS Information | Page 5 : Comments

Test Case DescriptionTranslations

English

Description:
Rear fog lights:

Front fog light must be enabled before rear fog light can be activated at parking light.

Comments To Driver:

Test Case DescriptionTranslations

French

Manipulations à effectuer:
Feux de brouillard: A l'arrêt : démarer le moteur, allumer les feux de position, puis les feux antibrouillard arrière.

Résultat attendu:
A partir des feux de position, les feux antibrouillard AV doivent être allumés avant les feux antibrouillard AR

Commentaires chauffeur:

Save... | Load... | Send To Editor... | Close

Managing Test Cases – Change Requests

PVT Test Case Request Form // Loaded Test Case Version 22.1

Page 1 : Test Case Preferences | Page 2 : Test Case Preferences | Page 3 : Translations | Page 4 : Predefined PROTUS Information | Page 5 : Comments

PROTUS Texts And Rating

You can predefine 1 up to 5 different PROTUS descriptions of the test case in case of failure.
You have to set a predefined PROTUS point rating for each predefined text.

Description 1 Description 2 Description 3 Description 4 Description 5

(Text is mandatory. If omitted nothing will be saved.)

"SW"

Action Taken:

Comment: Log file attached. Test: PVT

PROTUS Points: 25 Clear Description

Placeholders

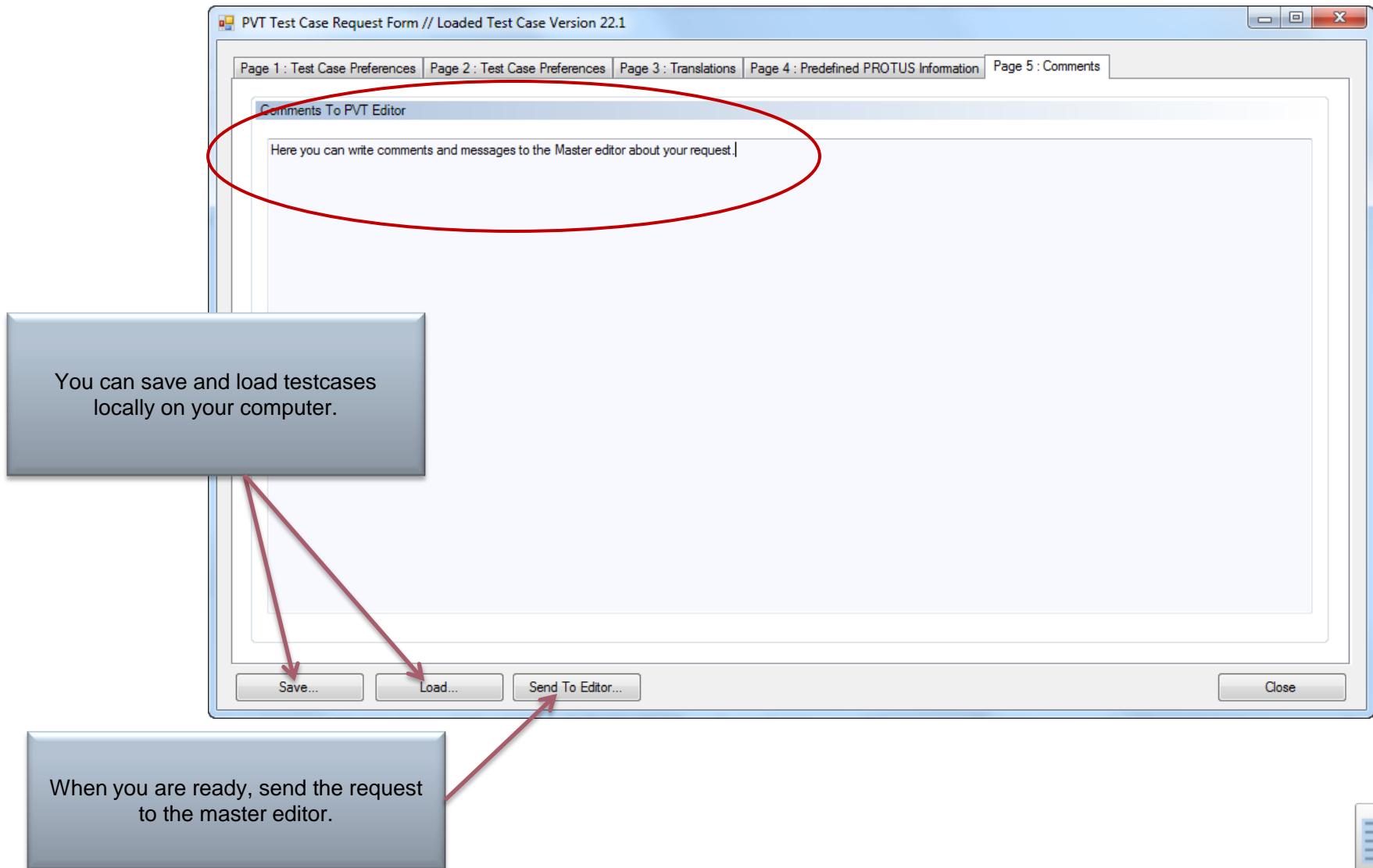
You can include the following placeholders in your text:
"SW": The current SW Release.
"PTCV": The Test Case Version.

Example:
Everywhere you type "SW" in your text, the application will change it to the sw version.
E.g. "Test performed with "SW"" will change to "Test performed with 5.4.A".

Save... Load... Send To Editor... Close

A red arrow points from the text "Note the use of placeholders." in the gray callout box to the placeholder "SW" in the text area.

Managing Test Cases – Change Requests



Managing Test Cases – Translations

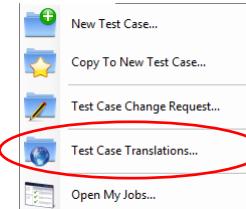
Translating test case information into different languages: 

Translations of test case information is the responsibility of the site editor. It is only possible to translate the following fields:

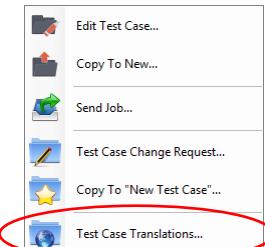
- Description
- Expected Results
- Driver Comments

This is the basic information used when exporting test case sequences for the drivers.

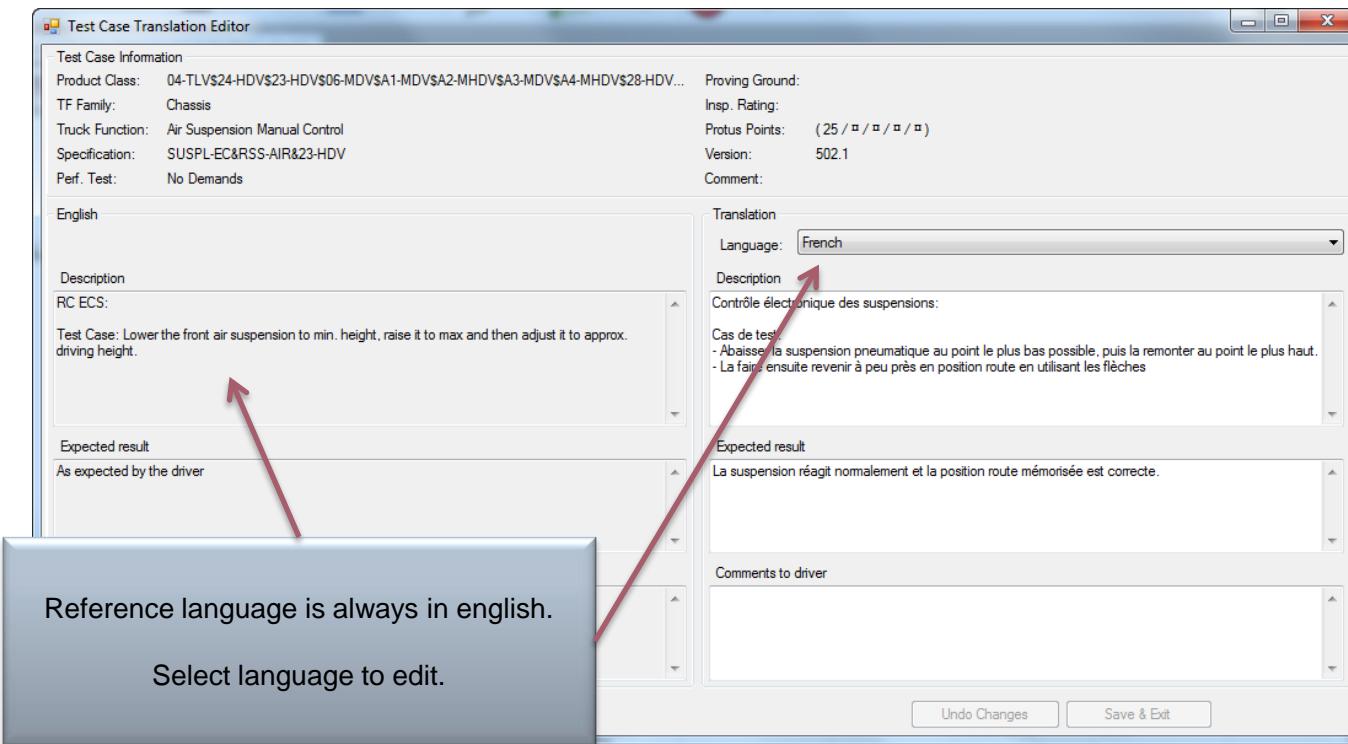
Note: Changing the translations in this form will perform changes directly in the database.



Context Menu (Right Click)



Site Edit Menu



The screenshot shows the 'Test Case Translation Editor' window. On the left, there's a 'Test Case Information' panel with details like Product Class, TF Family, Truck Function, Specification, and Version. Below it are sections for 'Description', 'Expected result', and 'Comments to driver'. On the right, there's a 'Translation' section where the 'Language' is set to 'French'. The 'Description' field is translated from English to French. A large gray callout box at the bottom left contains the text: 'Reference language is always in english.' and 'Select language to edit.' with arrows pointing to the 'Language' dropdown and the 'Description' field respectively.

Creating and handle jobs:



To be able to manage different tasks like reviewing test cases, translations of new test cases, handle change request etc., a function to handle "jobs" are available. All jobs are located in the form "JobHandler" and are available for Master and Site editors.

There are four different types of jobs:

- **New Test Case** New test case created .
- **TC Change Request** Existing test case that needs to be modified or corrected.
- **Review** Job that needs to be reviewed by the site editors.
- **Translation** Job needs to be translated into site local language.

- Can be created by testleader or site editor.
- Can be created by testleader or site editor.
- Can be created by master editor.
- Can be created by master editor.

Creating jobs:

Jobs can be created from two different locations.

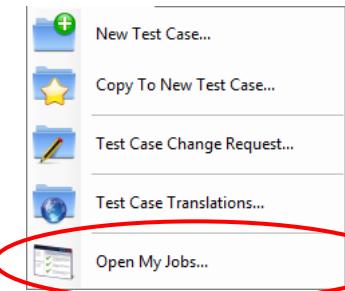
- By sending a request from the Test Request Form. [LINK](#)
- By initiating jobs from the "Send Job" form. (Only available for Master Editor and Administrator).

The screenshot shows the 'Send Job' dialog box and the 'Master Edit Menu'. The 'Master Edit Menu' is open on the left, showing options: New Test Case..., Copy To New..., Edit Test Case..., Delete Test Case, and Send Job... (which is highlighted with a red oval). The 'Send Job' dialog box is in the center, showing fields for Job Type (Translation), Job Comments (Translate test case version 1.1), and a list of recipients under Send To. A red arrow points from the 'Select Job Type' callout to the 'Job Type' field in the dialog. Another red arrow points from the 'Use comment field for additional information to the receivers' callout to the 'Job Comments' field. A third red arrow points from the 'Select the receiving site editors.' callout to the 'Send To' list. A fourth red arrow points from the 'Send jobs.' callout to the 'Send' button at the bottom of the dialog. The 'Send To' list contains the following data:

USER_ID	NAME	SITE
t056680	Jonas Qvist	GOT
ut9907v	Roscoe Luce	GSO
tb50346	Andre Moscheto	CUR
nd02550	Masahiko Hoshino	AGO
a028289	HV Usha Rani	BLR
r082996	Cédric Lavabre	LYS

Managing Test Cases – Handling Jobs

In the *JobHandler* all active jobs are listed.



Status:

NEW – New job of any kind

OPEN – The job has been opened by the receiver

REMARKS – A "Review job" has been sent back with comments

READY – The job is ready

REJECTED – A request for changes or a new test case has been rejected.

CLOSED – Job is closed.

NOTE:

The jobhandler is not intended to be a channel for communication between editors. It is just a tool for keeping track of your tasks. If you need to straighten out issues, use mail, phone etc!!

Colors: [Only apply for master editor]

Green: Jobs initiated by Master Editor

Recd: Incoming jobs New or replies

Red: Incoming jobs. New or Replies.
Blue: Jobs sent to Master Editing Tool.

PVT Job Handler

My Jobs

OWNER	ISSUER	NAME	SITE	DATEISSUED	JOBTYPE	JOBDESCR	JOBSTATUS	TF_AREA	TRUCK_FUNCTION	TC_HEADER	Action
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-05-07	Review	Review test case version 1228.1	NEW	Powertrain	Transmission Manual C	Reverse gear	Open Job
ut9907v	t0c0842	Hallberg Johan (N)	GSO	2014-05-07	Review	Review test case version 1228.1	NEW	Powertrain	Transmission Manual C	Reverse gear cha	Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-05-07	Review	Review test case version 1228.1	NEW	Powertrain	Transmission Manual C	Reverse gear cha	Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-05-07	Review	Review test case version 1228.1	NEW	Powertrain	Transmission Manual C	Reverse gear cha	Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-05-07	Review	Review test case version 1228.1	NEW	Powertrain	Transmission Manual C	Reverse gear cha	Open Job
ut9907v	t0c0842	Hallberg Johan (N)	GSO	3/4/2014	New Test Case	Request for a new Test Case	OPEN	Powertrain	Transmission Manual C	Reverse gear cha	Open Job
t056680	ut9907v	Luce Roscoe	GSO	3/4/2014	New Test Case	Request for a new Test Case	OPEN	Powertrain	Transmission Manual C	Reverse gear cha	Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-05-07	Review	Review test case version 1232.1	NEW	Powertrain	Transmission Manual C	Reverse gear cha	Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-05-07	Review	Review test case version 1235.1	NEW	Powertrain	Transmission Automati	Manual gear cha	Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-05-07	Review	Review test case version 1236.1	NEW	Powertrain	Transmission Automati	Manual gear cha	Open Job
t0c0842	ut9907v	Luce Roscoe	GSO	3/4/2014	New Test Case	Request for a new Test Case	OPEN				Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-04-07	Review	Review test case version 1217.1	NEW	Information And	External Audio	Stream Music Fro	Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-04-07	Review	Review test case version 1216.1	NEW	Information And	External Audio	Call Contact thro	Open Job
ut9907v	t0c0842	Hallberg Johan (N)	GSO	2014-04-07	Review	Review test case version 1215.1	OPEN	Information And	External Audio	Validate Bluetoot	Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-04-07	Review	Review test case version 1215.1	NEW	Information And	External Audio	Validate Bluetoot	Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-04-07	Review	Review test case version 1214.1	NEW	Information And	External Audio	Bluetooth Stream	Open Job
ut9907v	t0c0842	Hallberg Johan (N)	GSO	2014-04-07	Review	Review test case version 1213.1	OPEN	Information And	External Audio	Connect Phone A	Open Job
tb50346	t0c0842	Hallberg Johan (N)	CUR	2014-04-07	Review	Review test case version 1213.1	NEW	Information And	External Audio	Connect Phone A	Open Job

Hide closed jobs

All Jobs:314 Translations:36 Reviews:267 New TC:8 Change Requests:3

Open Job by pressing button in the Action column.
You can only open jobs for which you are the owner

Managing Test Case Sequences

Sequence Explorer

The sequence explorer gives you the opportunity to organize custom sequences in your own way. The folders "Default Sequences" and "Unsorted Sequences" are mandatory and cannot be changed in any way.

The sequence explorer is used when opening, saving and exporting sequences.

Functionality:

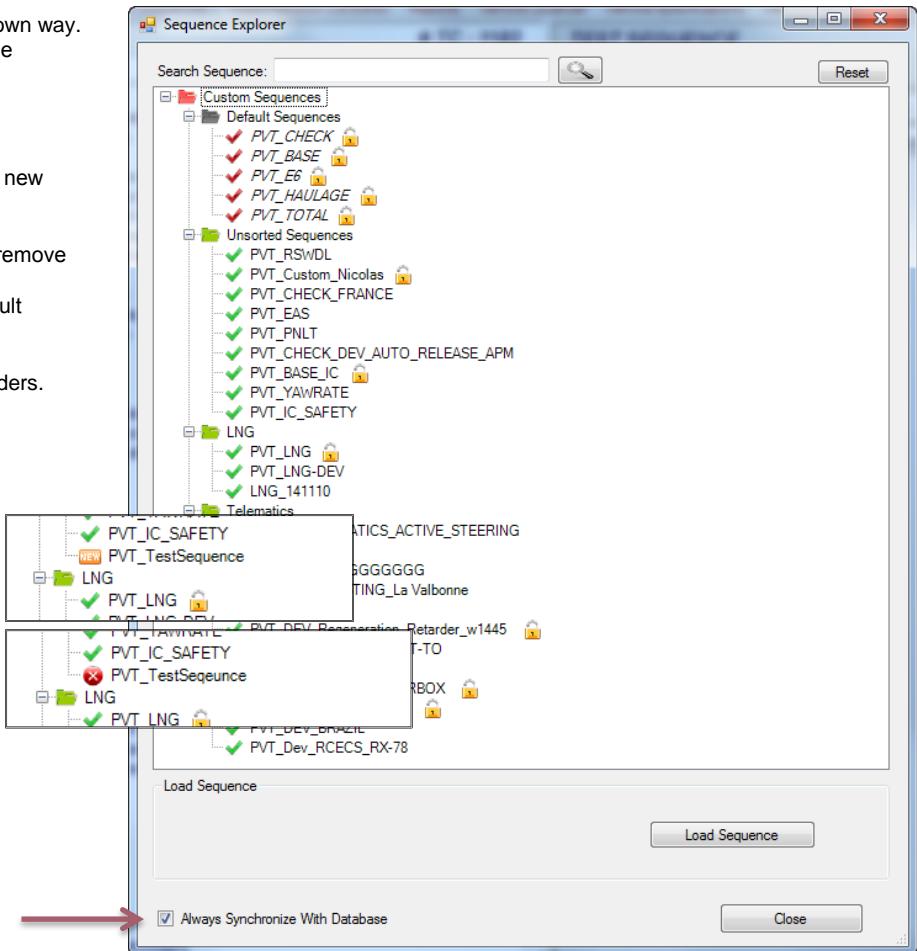
- **New folder:** Right click on a valid folder and select "New Folder". You cannot create a new folder in "Default Sequences" and "Unsorted Sequences".
- **Rename folder:** Right click on a valid folder and select "Rename Folder".
- **Remove folder:** Right click on a valid folder and select "Remove Folder". You cannot remove folders that are not empty.
- To **move** a test sequence between folders or to move a folder, use drag 'n drop. Default sequences cannot be moved.
- You can **search** for a sequence by using free text in the text box at the top.
- **RESET:** Resetting the explorer will reload the treeview and remove all customized folders.

 Shows that the sequence is locked. Pointing at the sequence will show who has locked the sequence

 Shows that a new sequence is available. This symbol is only shown the first time you open the explorer with a new sequence present.

 Shows that a sequence is no longer available. You can right click on the sequence and select "Remove Sequence" to delete it from your list.

By checking this box the sequence explorer will synchronize against the database each time it loads. Otherwise it will not check for changes but on the other hand load faster.



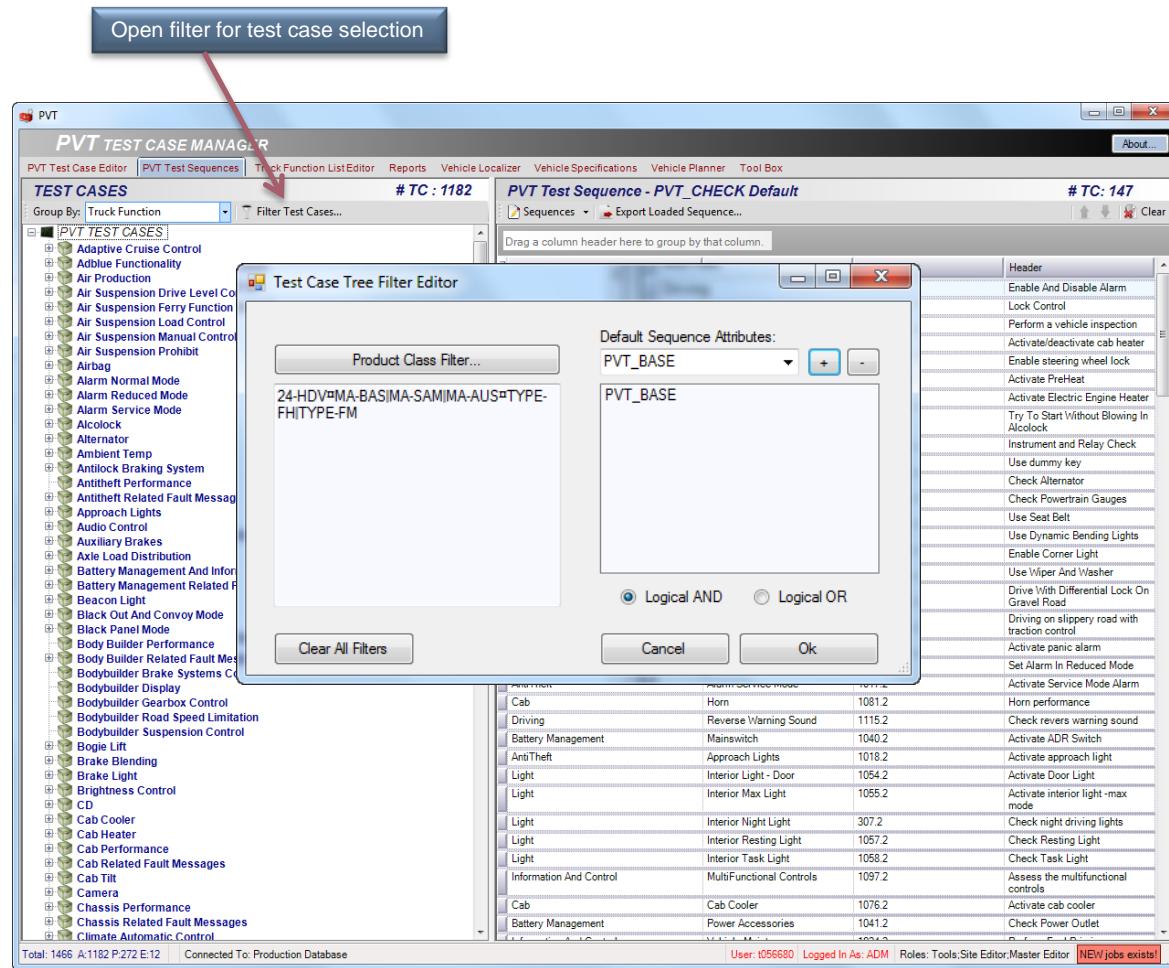
Managing Test Case Sequences

The test case sequence editor is used to create, manage and export sequences.

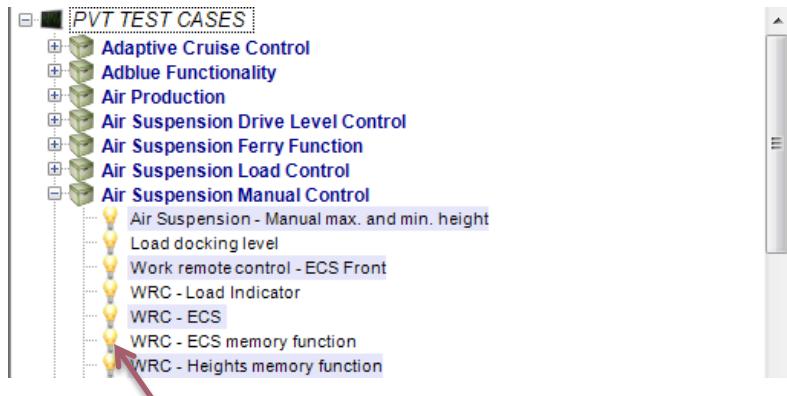
Some sequences are predefined and are called *Default Sequences*. All other are *Custom Sequences*.

Creating Custom Sequences

You can create your own sequences (custom sequences) by selecting test cases from the tree view to the left and move them to the sequence list to the right. Use the "Group By" and "Filter Test Cases" function to change the contents of the tree view.

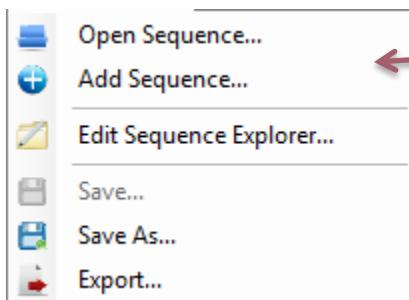


Creating Custom Sequences



Actions:

- Double Click → Open information view [Link to form]
- Right click on selected and hold → Drag 'n Drop to sequence grid

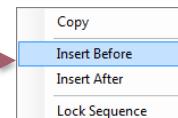


You can also create a custom sequence by opening an existing sequence and change it or by combining existing sequences using "Add Sequence".

Managing Test Case Sequences

There are two ways to change the order of the selected test cases in a custom sequence.

1. Select a test case and then use the up/down arrows.
2. Select one or more test cases and the right click to open the context menu. Select "Copy" from the menu. Now select the testcase at the position that you want to move the test cases to. Right click and select "*Insert Before*" or "*Insert After*".



Context Menu

The screenshot shows the PVT Test Case Manager application. On the left, there's a tree view of 'TEST CASES' categorized by 'Truck Function'. The main area displays a table titled 'PVT Test Sequence - PVT_CHECK Default' with columns: 'Truck Function Area', 'Truck Function', 'Verion', and 'Header'. A specific row is highlighted with a yellow background and the text '# TC: 147'. A context menu is open over this row, with 'Insert Before' highlighted in blue. At the bottom of the screen, there's a status bar with the text 'User: t056680 Logged In As: ADM Roles: Tools/Site Editor/Master Editor NEW jobs exists! Total: 1468 A:1182 P:272 E:12 Connected To: Production Database'.

You can lock a sequence by opening the context menu and select "Lock Sequence". If you lock a sequence nobody else than you can make changes to it or unlock the sequence.

Exporting Sequences

Exporting sequences will generate an excel file to be used by the driver when performing the test.

The screenshot shows the 'PVT Test Sequence - PVT_CHECK Default' window. At the top right, it says '# TC: 150'. Below the title bar are buttons for 'Sequences', 'Export Loaded Sequence...', 'Clear', and a set of up/down arrows. A red arrow points from the text 'Export loaded sequence' to the 'Export Loaded Sequence...' button. To the left is a sidebar with icons for 'Open Sequence...', 'Add Sequence...', 'Edit Sequence Explorer...', 'Save...', 'Save As...', and 'Export...'. A red circle highlights the 'Export...' option, and a red arrow points from the text 'Select sequence to export' to it. The main area of the window is empty.

Export loaded sequence

Select sequence to export

Select the language used for the sequence export.

Select product class and vehicle for which the export is valid. This will filter out all test cases in the sequence that are not valid for the selected vehicle. If you only select a product class or if both selections are omitted, the sequence will be filtered only by PC or not filtered at all.

The application suggests a default file name and location. You can change this if you want. If you want to view the excel file at once, tick this checkbox.

Language

Vehicle Filtering

Select Product Class: 24-HDV

Select Vehicle: FH-1678

SW Release: JOP1_VT_REL19_1.0
M-Log Id: 80003015
Test Leader: Henrik Biswanger

Export

Excel Handouts (radio button selected)

Vehicle PAD (radio button)

Result File: c:\PVT_Data\<sequence_name>.xlsx

Select Other File

View Handout

Print Handout

Export

Close

Managing Test Case Sequences

PVT_CHECK_eng.xlsx - Microsoft Excel

Generated: 11/11/2014

Test Leader: Kalle Kula

PVT_CHECK									
2 Drivers: Test Leader: Kalle Kula									
3 No	Ver.	Area	Truck Function	Description	Expected Result	OK/NOK	Repeatable?	Comments	Truck Function
4	1	1015.2	AntiTheft	Alarm Normal Mode	Enable And Disable Alarm Preconditions: -Parked Test Case: 1. Enable alarm on vehicle through button 2. Disable alarm on vehicle through button..	1. Alarm shall be enable and direction indicator light should flash. 2. Alarm shall be disable and direction indicator should flash..			
5	2	1.1	AntiTheft	Door Lock Control	Lock Control Preconditions: -Driver door locked Test Case: 1. Unlock the vehicle with key fob, 1 then 2 pushes on the key fob. 2. Unlock and lock the doors with key. NOTE: A long press (>5s) on the unlock button of the keyfob allows to change doors synchronization.	1.) One press: The driver's side is unlocked and direction indicators flashes 3 times, to confirm that the alarm is switched off. two presses: The driver and passenger sides are unlocked and direction indicators flashes 3 times, to confirm that the alarm is switched off. 2.) Unlock and lock with key should work as expected.			
6	3	1120.1	Driving	Vehicle Inspection	Vehicle inspection: Precondition: Parked Test Case: Make a visual inspection of the truck. Check wiring harness, air hoses, installations, oil or water leakage.	No unusual damages are expected			
7	4	1077.2	Cab	Cab Heater	Cab heater - Function: Precondition: Living mode Test Case: 1. Activate Cab Heater 2. Deactivate Cab Heater	1. Cab Heater shall start and be activated 2. Cab Heater shall stop and be deactivated			
8	5	1021.2	AntiTheft	Steering Lock Control	Steering wheel lock: Preconditions: Living Test Case: 1. Take out key from lock and turn steering wheel until steering wheel lock clicks. 2. Insert key in lock and turn it.	1. Steering Lock shall lock and it should not be possible to turn steering wheel. 2. Steering Wheel Lock shall unlock.			

Managing Truck Functions

In the form used for editing and creating new truck functions it is also possible to create/edit the other related classifications such as "Truck Function Area", "End to End Function" and "Sub System".

[Go here for product class editing.](#)

The screenshot shows the PVT TEST CASE MANAGER interface. The main window displays a grid of truck functions with columns for INDEX, TF_NAME, DESCRIPTION, FUNCTION_AREA, E2E_FUNCTION, SUB_SYSTEM, and TF_PRODUCTCLASS. A modal dialog box titled 'Edit Truck Function' is open in the foreground, containing fields for Truck Function Name (Parking Brake - Auto Park), Truck Function Description (This function is responsible for helping vehicles with brake problems and activating EPB electrical parking automatically if the key is turned to zero position), Truck Function Area Name (Chassis), E2E Function Name (Park Braking), Sub System Name (Chassis), and Product Class Specific Truck Function (24-HDV\$23-HDV). The bottom right of the dialog shows 'Cancel' and 'Ok' buttons. The status bar at the bottom right indicates 'User: 105680 Logged In As: ADM Roles: Tools Site Editor Master Editor NEW job exists'.

INDEX	TF_NAME	DESCRIPTION	FUNCTION_AREA	E2E_FUNCTION	SUB_SYSTEM	TF_PRODUCTCLASS
4	Lane Keeping Support	This function is responsible for warning the driver when a forward vehicle/target	Safety	LKS - Lane Keeping Support	Safety	04-TLV\$24-HDV\$23-HDV\$A1-MDV\$A2-MHDV\$A3-
6	Alcotorch	This function is used to inhibit or limit the moving of vehicle when driver have al	Safety	Alcotorch	Cab	24-HDV\$13-BUS\$15-BUS
8	Driver Alert Support	This function is responsible to warn drivers when drivers fall asleep. The syste	Safety	DAS - Driver Alert Support	Safety	04-TLV\$24-HDV\$28-HDV
9	Lane Change Support	This function warn the driver when driver is initiating a lane change and moving	Safety	LCS - Lane Change Support	Safety	04-TLV\$24-HDV\$23-HDV
14	Parking Brake - Auto Park	This function is responsible for helping vehicles with brake problems and activating EPB electrical parking automatically if the key is turned to zero position	Chassis	24-HDV\$23-HDV\$23-HDV\$A1-MDV\$A2-MHDV\$A3-		
31					Cab	04-TLV\$24-HDV\$23-HDV\$A1-MDV\$A2-MHDV\$A3-
35					Cab	24-HDV\$23-HDV\$A1-MDV\$A2-MHDV\$A3-
76					System Mgt	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
94					Vehicle	24-HDV\$23-HDV
104					Chassis	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
109					Chassis	24-HDV\$23-HDV
110					Chassis	24-HDV\$23-HDV
111					Chassis	24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-MHDV\$A3
112					Chassis	24-HDV\$23-HDV\$A1-MDV\$A2-MHDV\$A3-MDV\$A4
116					Chassis	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
118					Vehicle	24-HDV\$23-HDV
144					Chassis	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
181					Infotainment	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
345					HW	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
362					Infotainment	24-HDV\$23-HDV
395					Chassis	04-TLV\$24-HDV\$23-HDV\$A2-MHDV\$A3-MDV\$A4
403					Chassis	04-TLV\$24-HDV\$23-HDV\$06-MDV\$05-HD\$16-M
408					Chassis	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
409					Vehicle	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
413					Vehicle	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
417					Vehicle	24-HDV\$23-HDV\$A1-MDV\$A2-MHDV\$A3-MDV\$A4
428	Roof Light Signs	This function is responsible for the correct activation of Roof Light Signs	Light	Extra Lighting	Vehicle	24-HDV\$23-HDV\$A1-MDV\$A2-MHDV\$A3-MDV\$A4
430	Working Lights	This function is responsible for all kind of working lights on vehicle	Light	Extra Lighting	Vehicle	04-TLV\$24-HDV\$23-HDV\$A1-MDV\$A2-MHDV\$A3-
432	Dynamic Bending Lights	This function ensures that the truck headlights follow the curve when turning v	Light	Dynamic Bending Lights	Vehicle	24-HDV\$13-BUS\$15-BUS
448	Speedometer	This function is responsible for presenting correct Vehicle speed and Engine spe	Driving	Speedometer calculation and presentation	Vehicle	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
500	Vehicle Inspection	This function is responsible for vehicle inspection doing on vehicle under and af	Driving	Vehicle Dynamics Monitoring and Maintenance	Chassis	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-
510	Airbag	This function is responsible and control airbag with purpose to protect the drive	Safety	SRS - Airbag protection	Safety	04-TLV\$24-HDV\$06-MDV\$05-HD\$16-MD\$28-H
528	Front Axle Steering	This function controls the steering of front axle steering maneuver	Chassis	Active Steering	Chassis	04-TLV\$24-HDV\$23-HDV\$06-MDV\$A1-MDV\$A2-M
529	Rear Axle Steering	This function controls the steering of rear tag and cushion axles and axle lowen	Chassis	Rear Axle Steering	Chassis	24-HDV\$23-HDV\$A2-MHDV\$A4-MHDV\$23-HDV\$1

Connected To: Production Database

User: 105680 Logged In As: ADM Roles: Tools Site Editor Master Editor NEW job exists

Managing Truck Functions

On this page it is also possible to get an overview of the Truck function status for a selected vehicle with a certain software package.

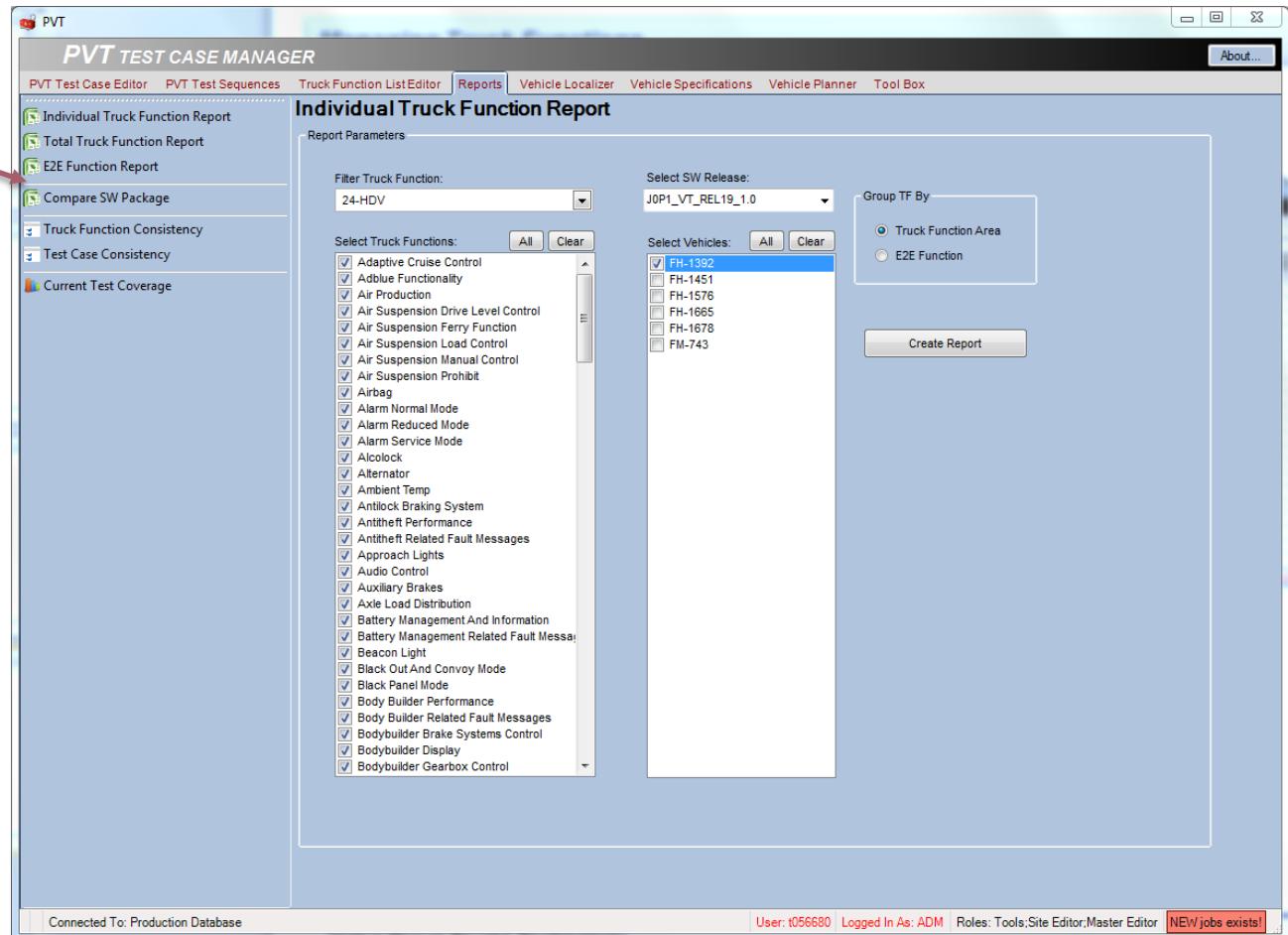
The screenshot shows the 'PVT TEST CASE MANAGER' application window. At the top, there are tabs: 'PVT Test Case Editor', 'PVT Test Sequences', 'Truck Function List Editor' (which is selected), 'Reports', 'Vehicle Localizer', 'Vehicle Specifications', 'Vehicle Planner', and 'Tool Box'. Below the tabs, there are two buttons: a green one labeled 'Truck Function List' and a red one labeled 'Truck Function Status'. On the right side of the header, there are search fields for 'Find Vehicle' (containing 'FH-1678') and 'SW Release' (containing 'G0P1_VT13_1.0'). The main area is a table with the following columns: TF_IDX, VEHICLE_KVI, SWREL_KVI, COMMENTS, LOGFILE_DPI, and STATUS. The table contains 40 rows of data. At the bottom of the table, it says 'Connected To: Production Database'. At the very bottom of the window, there is a footer bar with the text 'User: i056680 Logged In As: ADM Roles: Tools, Site Editor, Master Editor [NEW jobs exist!]'.

TF_IDX	VEHICLE_KVI	SWREL_KVI	COMMENTS	LOGFILE_DPI	STATUS
721	63310	66965			OK
722	63310	66965			NOT APP
723	63310	66965			OK
724	63310	66965			NOT APP
725	63310	66965			NOT APP
726	63310	66965			OK
727	63310	66965			OK
728	63310	66965			NOT APP
729	63310	66965			NOT APP
730	63310	66965			NOT APP
731	63310	66965			NOT APP
732	63310	66965			NOT APP
733	63310	66965			NOT APP
734	63310	66965			NOT APP
736	63310	66965	34777		NOT OK
737	63310	66965			OK
738	63310	66965	34779,34780		NOT OK
739	63310	66965			NOT OK
740	63310	66965			NOT APP
4	63310	66965			OK
6	63310	66965			OK

Individual Truck Function Report

Select the report you want to generate from the report menu.

- i. Select product class to load the truck function list.
- ii. Select the truck functions to be present in your report.
- iii. Select the software package.
- iv. Select the vehicle.
- v. Select how to group the TF's.
- vi. Press "Create Report" to start generating the xl-report.



Individual Truck Function Report

TFReport_5.4.A_FH-792_120605.xlsx - Microsoft Excel

Table Tools

A6 Truck Function Area

PVT Report

Vehicles: FH-792
SW_Version: 5.4.A

Severity Summary [Truck Functions] Issued by E-FACTS 6/5/2012

Severity	Count
100 p	7
25 p	28
5 p	95
1 p	1

Truck Function Area

Comments

Vehicle Protus_Id Protus_Points DataLink

1. Active Safety: Truck Functions:8 // Not Ok:7|OK:0|Not Tested:0|N/A:1 No Of Logs:45 Fault Severity:25 p

2. Air Suspension: Truck Functions:20 // Not Ok:10|OK:4|Not Tested:0|N/A:6 No Of Logs:43 Fault Severity:100 p

3. Alarm: Truck Functions:8 // Not Ok:0|OK:0|Not Tested:0|N/A:8 No Of Logs:0 Fault Severity:0 p

4. APM: Truck Functions:5 // Not Ok:1|OK:3|Not Tested:1|N/A:0 No Of Logs:9 Fault Severity:25 p

5. Audio System: Antenna Reception

6. Audio System: Audio Menu Usability Driver tries to start the Radio in Accessory mode, but "loading" symbol was shown and the menu return FH-792. Text in folders and in SID differ, Solglasögon in folders and Solglasögon in SID. It seems as ÅÖ are not working well. Continued from Mea_0023.3 FH-792 L128518 5 Data

7. Audio System: Audio Menu Usability Driver tried a second time this time choosing CD. Display shows insert CD and it only went back one step when pushing ESC. On a third try it again made two steps back when pushing ESC. Menu jumps two steps when pushing ESC.

8. Audio System: Audio Menu Usability Driver pushes ESC on steering wheel button and SID menu jumps two steps back from Audio menu to Main menu.

9. Audio System: Audio Mute Truck is parked and in VM Parked Truck was with with Radio on and SID in Radio menu before parking. FH-792 L128670 5 Data

10. Audio System: Audio Performance Radio turns itself on and off several times. This happens without any action from driver. Radio turns itself off.

11. Audio System: Audio Performance Vehicle is standing still and driver is listening to the radio when it suddenly turns itself off without any action from the driver.

12. Audio System: Audio Performance While playing the radio driver inserts a CD into player and before the CD starts playing the radio starts FH-792 L127928 5 Data

13. Audio System: Audio Play System Sounds

14. Audio System: Audio Related Fault Messages

15. Audio System: Audio Sound Settings

16. Audio System: Audio Source Selection

17. Audio System: Audio Speakers The warning sounds are only coming from Cluster, and not from the Loudspeakers FH-792 L128222 5 Data

18. Audio System: Audio Speakers The FCW warning sound was suddenly coming from the Cluster. During driving the whole day the warni FH-792 L128222 5 Data

19. Audio System: LECM Audio Control Continued from Mea_0039.18 CD displayed together with radio station (frequency). It's not possible to change track on the CD.

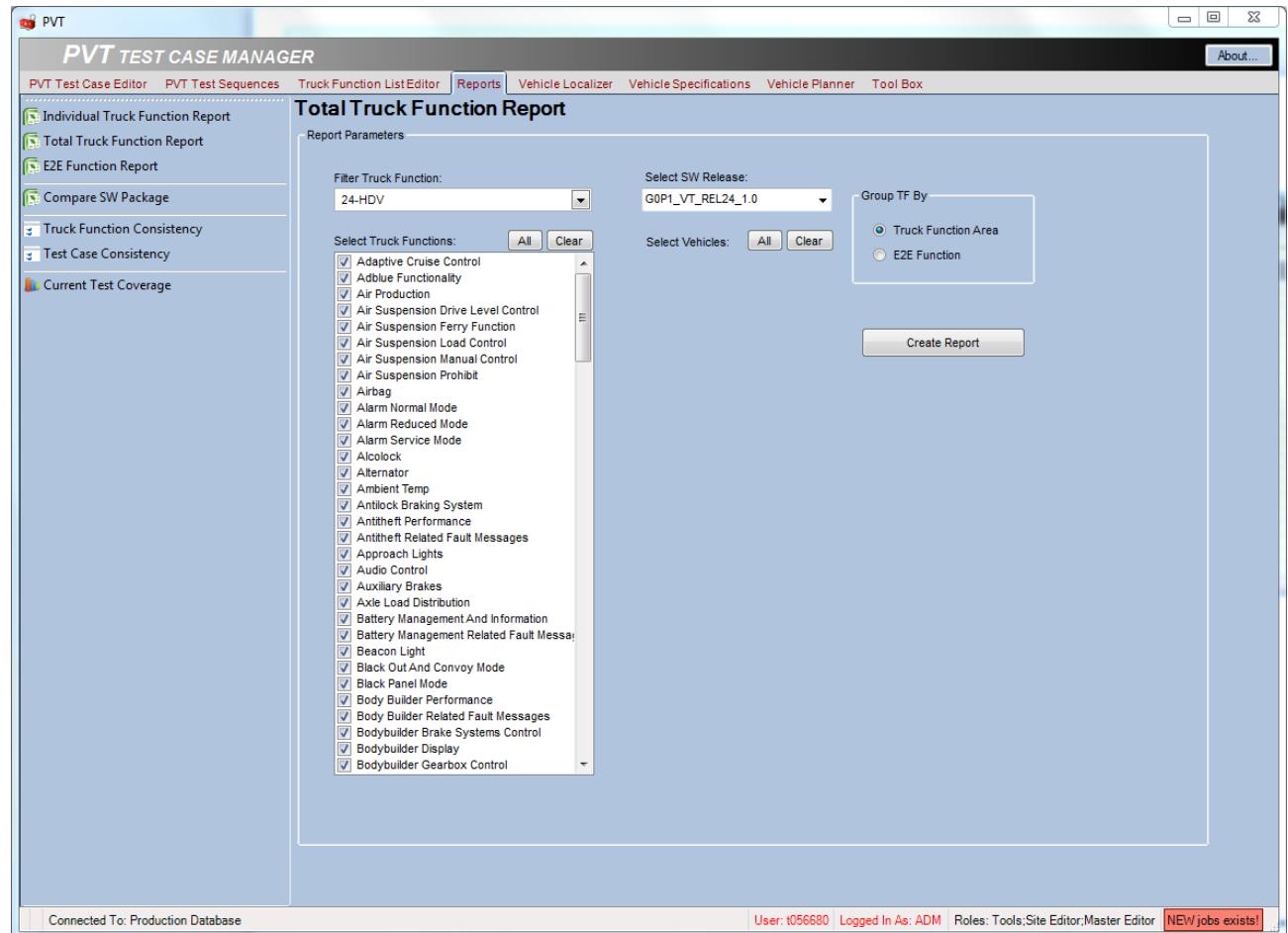
20. Audio System: LECM Audio Control Driver changed from radio to CD in the LECM. CD started playing but Radio frequency was still displaye FH-792 L127525 5 Data

21. Audio System: Play AUX Song titles displayed incorrectly in display, letters are missing and replaced by boxes. Continued from Mea_0126.7 FH-792 L128511 1 Data

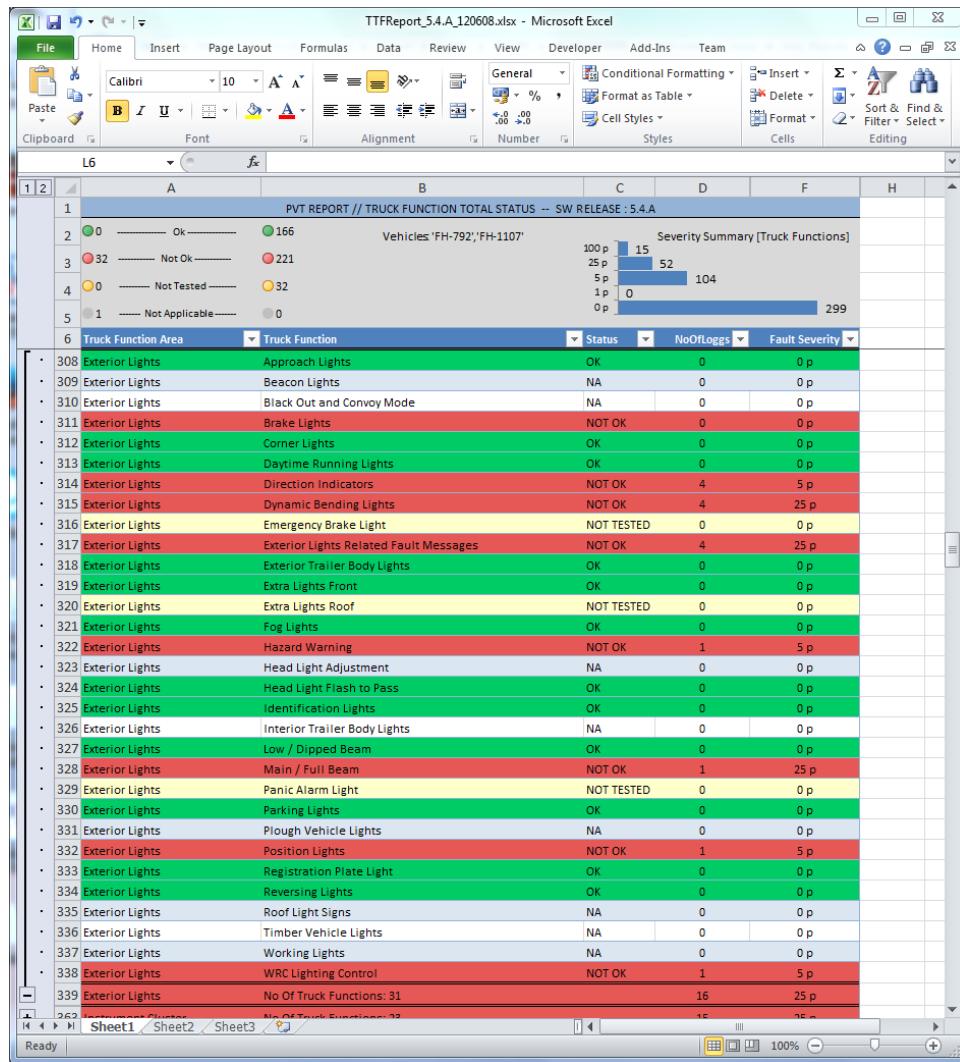
22. Audio System: Play CD

Total Truck Function Report

- i. Select product class to load the truck function list.
- ii. Select the truck functions to be present in your report.
- iii. Select the software package.
- iv. Select how to group the TF's.
- v. Press "Create Report" to start generating the xl-report.

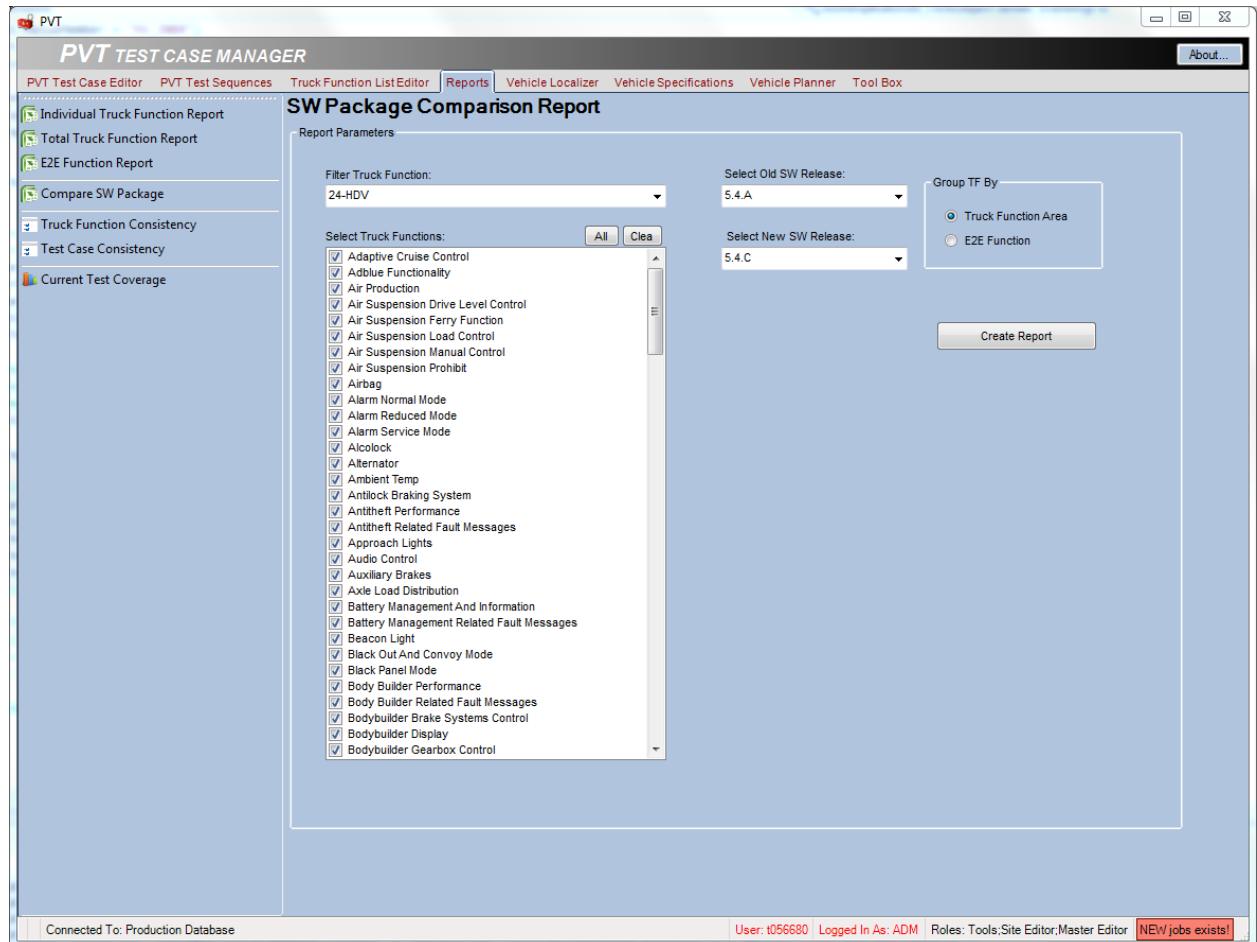


Individual Truck Function Report



Individual Truck Function Report

- i. Select product class to load the truck function list.
- ii. Select the truck functions to be present in your report.
- iii. Select the old software package.
- iv. Select the new software package.
- v. Select how to group the TF's.
- vi. Press "Create Report" to start generating the xl-report.

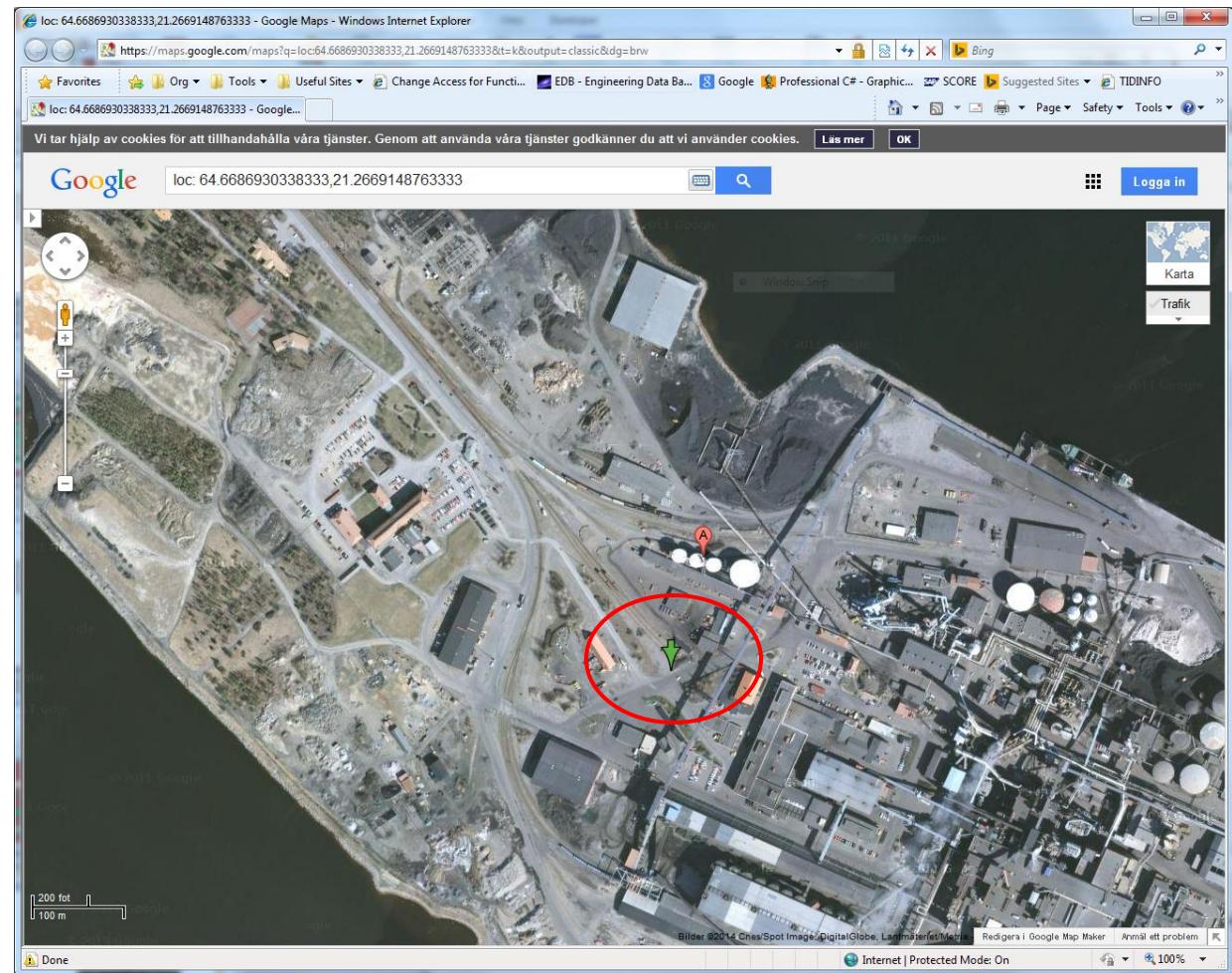
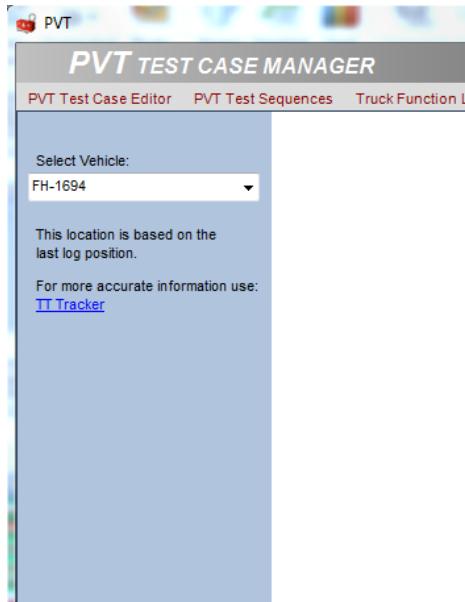


Individual Truck Function Report

SWCReport_120608.xlsx - Microsoft Excel

TF Function Area	TF Function	Status	Status Change
Active Safety	Active Safety Related Fault Messages	NOT OK	↔
Active Safety	Adaptive Cruise Control Performance	NOT OK	↔
Active Safety	Alclock	NOT OK	↔
Active Safety	Collision Warning Emergency Brake	NOT OK	↔
Active Safety	Driver Alert Support	NOT OK	↔
Active Safety	Forward Collision Warning	NOT OK	↔
Active Safety	Lane Change Support	NOT OK	↔
Active Safety	Lane Keeping Support	NOT OK	↔
Air Suspension	Air Suspension Kneeling Performance	NOT TESTED	↔
Air Suspension	Air Suspension Level Memory	NOT TESTED	↔
Air Suspension	Air Suspension Performance	NOT OK	↔
Air Suspension	Air Suspension Related Fault Messages	NOT OK	↔
Air Suspension	Axle Load Distribution	NOT OK	↔
Air Suspension	Bogie Lift/Press Performance	OK	→
Air Suspension	Drive Level Performance	NOT OK	↔
Air Suspension	Ferry Function Performance	NOT OK	↔
Air Suspension	Load Indicator Calibration	NOT OK	↔
Air Suspension	Load Indicator Performance	NOT OK	↔
Air Suspension	Loading Level Performance	NOT OK	↓
Air Suspension	Prohibit Air Suspension Control	OK	↑
Air Suspension	Uneven Load Handling Performance	OK	↔
Air Suspension	WRC Air Suspension Level Memory Control	OK	↑
Air Suspension	WRC Drive Level Control	NOT OK	↔
Air Suspension	WRC Ferry Control	NOT OK	↔
Air Suspension	WRC Load Indicator Control	NOT OK	↔
Air Suspension	WRC Loading Level Control	NOT OK	↔
Air Suspension	WRC Prohibit Suspension Control	OK	↑
Air Suspension	WRC Side Kneeling Performance	NOT TESTED	↔
Alarm	Alarm Activation	NOT OK	↔
Alarm	Alarm Normal Mode	OK	↑
Alarm	Alarm Panic Mode	NOT OK	↔
Alarm	Alarm Reduced Set Mode	NOT OK	↔
Alarm	Alarm Related Fault Messages	NOT OK	↔

Vehicle Localizer



Vehicle Specifications

Vehicle specifications are used to filter out test cases that are not valid for a selected vehicle. Therefore it is important that the vehicle specifications are up to date. To add specifications for a new vehicle, use functions in the "Tool Box". Once added to eFACTS, updates is performed automatically

PVT TEST CASE MANAGER

Vehicle: FH-952 Product Class: 24 Project: W60_2540 Search >

eFACTS Spec

PROTUS SPEC

Spec type: V Project: W60_2540 Identity: FH-952
Intro time: 201248

FG	VF	Family Description	Variant	Variant Description
000	AAX	PRODUCT CLASS	24-HDV	HEAVY DUTY VEHICLE, VOLVO
000	ABX	PRODUCT TYPE	FH 62 TR	F-SERIES HIGH 6*2 TAG RIGID
0000	9PX	MARKETS IN MAR	NOT SELECTED	
009	D7C	WHOLE VEHICLE TYPE APPROVAL	UWVTAPPR	WITHOUT WHOLE VEHICLE TYPE APPROVAL
0101	CRX	VEHICLE PROFILE	TYPE-FH	HIGH TILT CAB
0103	DAX	AXE ARRANGEMENT	6*2	6 WHEELS THEREOF 2 DRIVING
0104	DDX	CHASSIS TYPE	RIGID	TRUCK TYPE (PLATFORM, TIPPER ETC.)
0105	51A	BRAND	BRAND-V	BRAND VOLVO
031	78X	TRANSPORT CYCLE	TC-LONGD	LESS THAN ONE DELIVERY OR PICK-UP OF GOODS EVERY 50KM
031	B2C	DIRT CONCENTRATION (OP ENVI)	DIRT-LOW	NON DIRTY ROADS; <10 % OF DRIVING DISTANCE ON WET/SLUSHY ROAD
031	DHX	ROAD CONDITION	RC-SMOOTH	WELL MAINTAINED SURFACED ROADS >95 % DRIVING DISTANCE
031	J3A	CENTRE OF GRAVITY HEIGHT	COG-BAS	CENTRE OF GRAVITY HEIGHT BASIC
031	J4A	CURVE DENSITY	CURV-L	THE SPEED IS SELDOM REDUCED DUE TO DRIVING IN CURVES
031	QXZ	TOPOGRAPHY	T-FLAT	GRADES <3 % DURING >98 % OF DRIVING DIST. MAX GRADE 8
0311	GUZ	VEHICLE VERSION	NOT SELECTED	
0311	U1C	LOCAL SOURCING ADAPTATION	NOT SELECTED	
0312	DKX	GROSS COMBINATION WEIGHT	GCW60.0	60.0TONNES, GROSS COMBINATION WEIGHT
032	CJX	EXHAUST GAS RECIRCULATION	UEGR	WITHOUT EXHAUST GAS RECIRCULATION
032	DPX	ENGINE TYPE	ENG-VE16 16 L.	ENGINE
032	N1C	DRIVELINE TECHNOLOGY	NOT SELECTED	
0323	N9C	ENGINE FUEL CONCEPT	NOT SELECTED	
0361	FVX	FRONT AXLE LOAD	FAL8.0	FRONT AXLE LOAD 8.0 TONNES
0362	F1X	REAR AXLE LOAD	RAL19	BOGIE LOAD 19 TONNES
0364	FAX	STEERING WHEEL POS.	STWPOS-L	LEFT HAND SIDE
0365	GSX	WHEELBASE	WB4800	WHEELBASE 4800MM
0365	AOX	FRONT FRAME LENGTH	FFL1275	FRONT FRAME LENGTH 1275MM
0365	F3X	REAR AXLE POSITION	RAP7840	X = 7840 MM, REAR AXLE POS.
0365	FYX	FRONT AXLE POSITION	FAP5040	X = 3040 MM, FRONT AXLE POS.
037	FHX	VEHICLE WIDTH	VW2600	2600 MM (103") VEHICLE WIDTH
037	GSX	CHASSIS HEIGHT	CHH-LOW	CHASSIS HEIGHT LOW
038	QXZ	VEHICLE HEIGHT	VH4.5	VEHICLE HEIGHT 4.5M
039	GAX	ADR ADAPTION	UADR	WITHOUT ADR ADAPTION
039	KUX	EXTERNAL NOISE REQ.	NR-80EC	80 DBA EC EXTERNAL NOISE
039	N9C	ADR CLASSIFICATION	UADRC	WITHOUT ADR CLASSIFICATION
200	D9B	AMBIENT TEMP LOWER LIMIT (GTA)	ATL40	AMB TEMP COLD DOWN TO -40C, COLDER ALLOWED 25 H/YEAR
200	EAD	AMBIENT TEMP UPPER LIMIT (GTA)	ATU160	AMB TEMP HOT UP TO 160C, WARMED ALLOWED 25 H/YEAR

Connected To: Production Database User: t056680 Logged In As: ADM Roles: Tools:Site

Vehicle Specification In eFACTS

VF	VARIANT	SPECVERSION
00X	WPRING-P	002
01X	WTDF22.5	002
02X	WTDD22.5	002
03X	WTDT22.5	002
04A	TBK60AD	002
09A	UIDLMPSW	002
0AX	WTF-D335	002
0BX	WTD-D335	002
0CX	WTT-D335	002
0EX	WTT-SING	002
0GX	WMF-ST	002
0HX	WMD-ST	002
0JX	WMT-ST	002
0PX	WDF1175	002
0RX	WDD900	002
0SX	WDT1175	002
1JX	TF385-55	002
1NX	TD315-70	002
1OX	AMPL400	002
1PX	TT385-55	002
1TX	TMF-MICH	002
1UX	TMD-MICH	002
1VX	TMT-MICH	002
1XB	CSPU-SDR	002
21X	UAWINDR	002
24A	CL-STAT	002
25A	ROHO-EL	002
25X	CSGN-ENG	002
2CX	CAB-HSLP	002
2DX	RCABS-A	002
2EX	CTILTP-E	002

To compare the PROTUS specification with the one imported to eFACTS, you can this function to edit the database directly.

Vehicle Planner

The vehicle planner is used to get an overview of the test case coverage for different vehicles or a combination of vehicles within the same product class.
It uses the vehicle specification to filter out test cases not valid for the selected vehicles.

The bars shows the percentage of the total amount of available test cases covered by the selected vehicles.

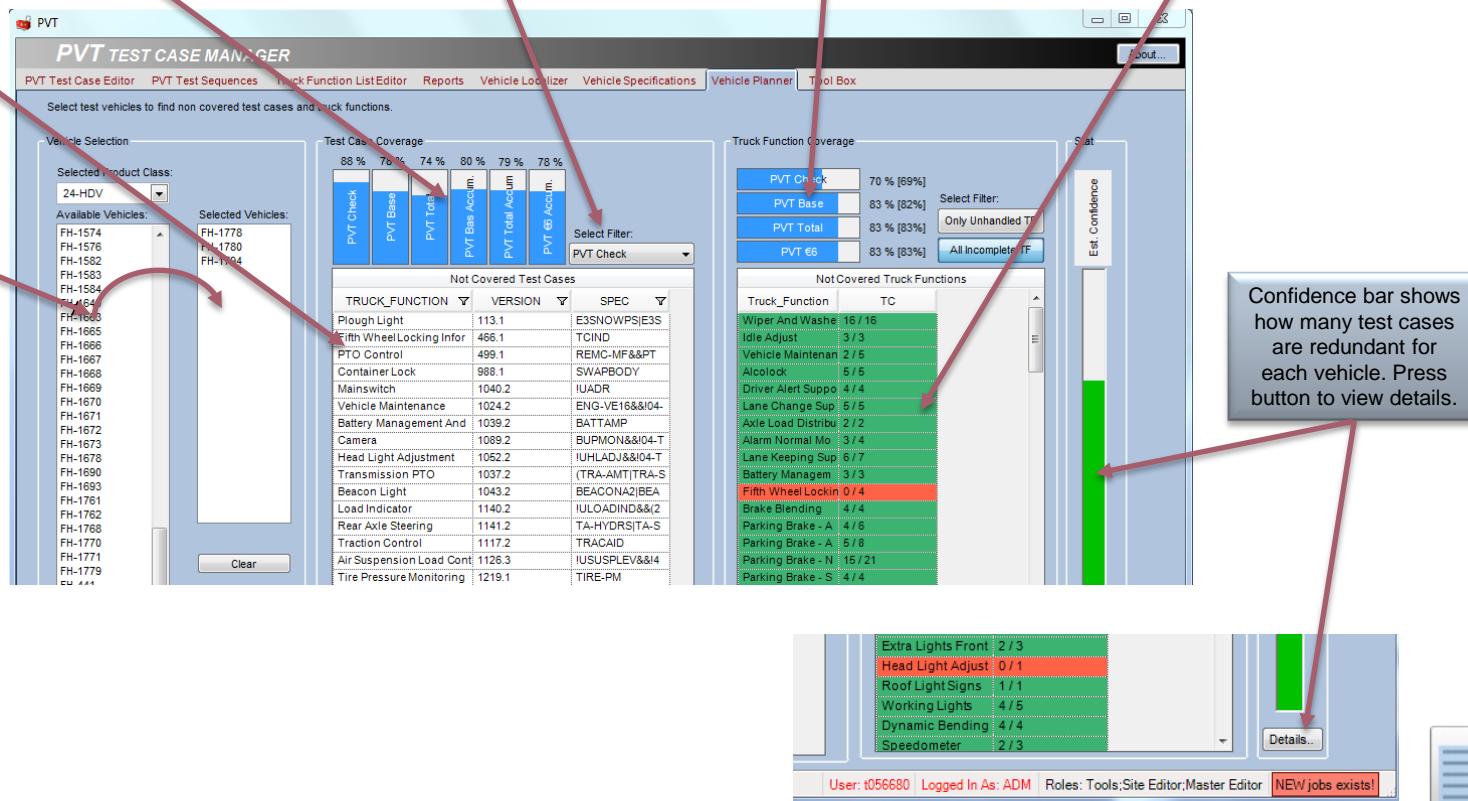
The bars shows the percentage of the total amount of available truck functions covered by the selected vehicles. At least one test case shall be available for the truck function to be considered as covered.
The number in parenthesis represents all truck functions (not filtered by product class).

List of the test cases not covered by the selected vehicles.

Use filter to show coverage for the different tests.

The list shows the amount of covered test cases for each truck function. If not covered at all, it will be marked red. You can select to view only unhandled truck functions or complete list.

Drag n' Drop to select vehicles.



Confidence bar shows how many test cases are redundant for each vehicle. Press button to view details.

PVT TEST CASE MANAGER

PVT Test Case Editor PVT Test Sequences Truck Function List Editor Reports Vehicle Localizer Vehicle Specifications **Vehicle Planner** Tool Box

Select test vehicles to find non covered test cases and truck functions.

Vehicle Selection

Selected Product Class: 24-HDV

Available Vehicles: FH-1538, FH-1573, FH-1574, FH-1576, FH-1582, FH-1583, FH-1584, FH-1640, FH-1663, FH-1665, FH-1666, FH-1667, FH-1668, FH-1669, FH-1670, FH-1671, FH-1672, FH-1673, FH-1690, FH-1693, FH-1761, FH-1762, FH-1768, FH-1770, FH-1771, FH-1778, FH-1779, FH-441, FH-442, FH-675, FH-724, FH-779, FH-780, FH-791, FH-792, FH-795, FH-803, FH-814, FH-820, FH-822, FH-826, FH-839, FH-856

Selected Vehicles: FH-1678, FH-1780, FH-1794

Test Case Coverage

89 %	80 %	76 %	82 %	80 %	79 %
PVT Check	PVT Base	PVT Total	PVT Bas Accum.	PVT Total Accum.	PVT 65 Accum.

Select Filter: PVT Check

Truck Function Coverage

PVT Check	71 % [71%]	Select Filter:
PVT Base	85 % [84%]	Only Unhandled TF
PVT Total	85 % [85%]	All Incomplete TF
PVT €6	85 % [85%]	

Stat

Not Covered Test Cases

TRUCK_FUNCTION

Test Case Estimated Confidence

Drag a column header here to group by that column.

TC_INDX	VER_NO	TC_HEADER	SPEC	APPEARANCE
1	1.1	Lock Control	LOCK-REMIDO...	3
2	2.1	Lock vehicle with keyfob	UADR&LOCK...	2
3	3.1	Air Pressure Management - Cluster		3
4	4.1	Brake pressure warning		3
6	6.1	Parking heater - Temperature settings	PH-ENGCAIPH...	2
7	7.1	Climate control activation/deactivation	CU-ECCICU-MC...	3
13	13.1	Check status on main beam		3
15	15.1	Check status on extra lights	SPOTP-RF&S...	0
16	16.1	Check Headlight flasher function		3
22	22.1	Check rear fog lights	FOGL-WCIFOGL...	3
23	23.1	Check fog lights functions	FOGL-WCIFOGL...	3
26	26.1	Check reversing light function		3
27	27.1	Adjust driver door mirror	MIR-ELOP/MIR...	3
28	28.1	Passenger mirror adjustment	MIR-ELOP/MIR...	3
29	29.1	Driver side wide view mirror adjustment		3
30	30.1	Passenger wide view mirror adjustment		3
33	33.1	Shown in display and warnings (Passive battery management)	BATTIND&(I04...	3
34	34.1	Voltmeter status display	BATTIND/BATT...	3
35	35.1	Data Download	TAS-DIG	3
36	36.1	Symbol check	TAS-DIG	3

Not Covered Truck Functions

Close

Connected To: Production Database User: t056680 Logged In As: ADM Roles: Tools, Site Editor, Master Editor NEW jobs exists!

PVT

PVT TEST CASE MANAGER

PVT Test Case Editor PVT Test Sequences Truck Function List Editor Reports Vehicle Localizer Vehicle Specifications Vehicle Planner Tool Box About...

Move Measurement Location
Measurement Name [MEA_xxxx]: MEA_1234;MEA_4321 From Vehicle: FH-1768 To Vehicle: FH-1780 Start
Note: To run more than one measurement at a time use ; as separator.

Add Vehicle Specification
Vehicle: FH-1234;FM-4321 Start
Note: To add more than one vehicle at a time use ; as separator.

System Parameters
Refiner Users:
User Id: t056680 User Name: Jonas Qvist User Rights: Administrator Vehicle Grp: GOT Remove Add / Update

SW Versions
SW Version: JOP1_VT_REL24_1.0 Note: SW Version shall be on standard format only! Show SW Version Add/Update

Status Report Items
New Item Name: FH-1234 Item Type: VEHICLE Add

Mail Contacts:
Contact Name: Jonas Qvist Mail Address: jonas.qvist@volvo.com Apply Statistics WD Trouble Shooter Add / Update Remove Contact

Measurement Topics:
Topic Name: P2540 RTCold 2012 GUID: AEE15371-22DA-4D60-9D57-F2f GUID P2540RTCold2012 Add/Update
 Has Ext. Service Ext. Service Active Note: You can not update names and GUID. Only Ext. Service

Set Site Manager Properties
 Set New Site Editor Change Site Editor
Site: GOT New Site Editor: Martin Svennungsson Current Site Editor: Jonas Qvist Add/Update

Connected To: Production Database User: t056680 Logged In As: ADM Roles: Tools;Site Editor;Master Editor NEW jobs exists!

Activity Display