ERTMSFormalSpecs – Product release info

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1.0.60	23/06/2015	Laurent Ferier	Initial Release, for version 1.0.60
1.0.61	02/07/2015	Laurent Ferier	Version 1.0.61
1.0.63	22/07/2015	Laurent Ferier	Version 1.0.63
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1.0.67	29/10/2015	Svitlana Lukicheva	Version 1.0.67
1.0.68	16/10/2015	Svitlana Lukicheva	Version 1.0.68
1.0.69	18/12/2015	Laurent Ferier	Version 1.0.69
1.0.70	21/01/2015	Laurent Ferier	Version 1.0.70

| 1.0.71 | 05/02/2016 | Laurent Ferier | Version 1.0.71 |
| 1.0.72 | 23/02/2016 | Laurent Ferier | Version 1.0.72 |

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1. Introduction

This document is the product release information document for ERTMSFormalSpecs.

2. Releases

2.1. Release 1.0.60

2.1.1. Tool

- Syntax highlighting
- Reviewed the way the MoreInfo view is displayed, to get clean indentation
- EFS no longer request to save when no modification is done on the model (https://github.com/openETCS/ERTMSFormalSpecs/issues/469)
- Fixed issues when refactoring. Also allows to clean up the complete model (
- Added the actual value in the structure editor (https://github.com/openETCS/ERTMSFormalSpecs/issues/605 and https://github.com/openETCS/ERTMSFormalSpecs/issues/608)

2.1.2. Model

- New brake handling model
- Refactoring the way Monitoring type hare handled
- Wrong range for Q_NV_LOCACC (https://github.com/openETCS/ERTMSFormalSpecs/issues/611)

2.2. Release 1.0.61

2.2.1. Tool

- Track File System changes and update the model when changes occur
- Allow to provide function values through WCF interface and created a DLL to access this interface.

2.2.2. Model

- Changed the EBD function to only consider the MRSP
- Created a function to provide the release speed for a given target

2.3. Release 1.0.63

2.3.1. Tool

- Update model in EFS when file on the file system changes
- Updated the computing of braking curves to limit them to their corresponding target speed
- Detect infinite loop in STABILIZE statements

2.3.2. Model

- Corrected functions IsSvl, d_W, d_P

2.4. Release 1.0.65

2.4.1. Tool

- Refactoring :
    - Complete review of the UI synchronization
    - Box/arrow diagrams
- Complete the mechanism to update part of the model
- Improve performances

2.4.2. Model

- Reached 80% model coverage
- Fixed problems when changing monitoring mode
- Split DMI functional tests in another dictionary

2.5. Release 1.0.66

2.5.1. Tool

- Performance update
- Fixed drag & drop operation in box arrow diagrams
- Graphical display for functions
- Syntax highlighting in the model view
- Scrolling the dynamic time line while executing a test
- Fix problem when refreshing the treeview. Sub nodes did not get their (+) sign when they had sub elements

2.5.2. Model

- Provide the DMI functional tests in the release
- Reorganization of namespace Kernel
- Update brake handling
- Complete implementation of section 3.14
- Creates the DataState interface
- Moved LocationInterface and LengthLocationInterface to the Default namespace
- Text messages (to be continued)
- Fixed issue when supervision statuses were not revoked
- Updated Subset-027 to version 3.1.0
- Updated Subset-035 to version 3.1.0
- References Subset-040 to version 3.3.0
- Corrected status revocation conditions for TSM.

2.5.3. Bug fixes

- Bug fix #649 : Refresh windows does nothing
- Bug fix #646 : Avoid flickering and system hang ups
- Bug fix #650 : Problems with translation view
- Bug fix #651 : Problem with elements in "Traceability" view
- Bug fix #652 : When the elements are reordered in the tree view, it is not refreshed
- Bug fix #653 : Usages information disappear

- Bug fix #654 : Exception when selecting namespace of a parameter
- Bug fix #657 : Interface relationships are not directly added
- Bug fix #661 : The default mode of new structure elements should be internal
- Bug fix #642 : Problem related to the properties view
- Bug fix #656 : Model location upon installation
- Bug fix #647 : Refresh problem with non translated tests
- Bug fix #39 : Review error messages related to ranges in GUI.log

2.6. Release 1.0.67

2.6.1. Tool

- Refresh graph view after each step execution
- Bug fixes related to updates handling
- Fix to tree view selecting all model elements on rename
- Fix related to renaming of nodes in the tree view
- Added delayed sub-steps
- Avoid crashing when the model is not correct
- Allow to concatenate two collections

2.6.2. Model

- Fixes for determination of speed and distance monitoring status
- Consider special values for distance substraction
- Corrected RBC contact information entry and display
- Cleaner way to compute T_brake_basic_eb
- Started implementation of packet translation for system version handling
- Fixed rules/procedures in BTM namespace to look at variable CurrentBaliseGroup instead if Message
- Changed calculation of EOA and SvL to use functions only
- Implementation of text message acknowledgements
- Updated TargetsList function so that it no longer removes the EOA, SvL and Max distance in SR targets after passing them

2.6.3. Bug fixes

- Bug fix #669: Refactoring problem
- Bug fix #671: Problem with structure editor
- Bug fix #531: Import requirements from Subset-040
- Bug fix #626: Train data initialization procedures should be moved to Testing namespace
- Bug fix #667: Add procedures for driver actions

2.7. Release 1.0.68

2.7.1. Tool

- Bug fix related to mutex handling in parser
- Avoid concurrent changes
- Corrected auto-completion of functions

- Added possibility to execute post-actions after contextual menu clicks in structure editor
- Values of an enum can be compared to values if its sub-enums
- Corrected display of graphs

2.7.2. Model

- Implemented display of start time for "text message" like elements
- Release speed calculation moved to after the mode change in HandleInputs
- Renamed FLOI to SBI in JRU
- Changed type of SlipperyRailsSelectedByDriver to include the information about driver's selection
- Maximum speed set to 600
- Tests and fixes on text messages

2.8. Release 1.0.68

2.8.1. Tool

- Extended WCF interface to allow suspending a client
- Extended the checks on the model
- Removed background processing tasks (compilation)
- Bug fix : the cache for predefined functions was not cleared and induces invalid computations
- Review text highlighting to speed up the process
- Files only holding tests are no more split into several sub files
- Performance improvements
- Completed the graphical view to display Functions, Procedures, Rules, Structures, Ranges and Enumerations
- Bug fixes #672, #162, #251, #178, #262, #261, #73, #602

2.8.2. Model

- Refactored Text messages
- Fixed braking curves computation
- Reviewed state machines for supervisions status
- Update the reference location for a balise group to take into account the antenna distance
- System version management (ongoing)
- Reimplementation of National Values
- Implementation of RV mode

2.9. Release 1.0.70

2.9.1. Tool

- Ensure that the same variable is not written twice during the same execution phase with different values

2.9.2. Model

- Model changes according to the check that the same variable is not written twice during the same execution phase with different values
- System version management
- Refactoring of DMI outputs
- Override procedure (ongoing)
- Fixed a bug where the system would always transition to Normal Status after passing a target
- Fixed issue where the pre-indication location was not properly calculated
- Corrected issue where too many MRSP segments were sent to the DMI
- Corrected bug where the EBD foot of the LOA was not correctly set

2.10. Release 1.0.71

2.10.1. Tool

- Corrected menu items (it was impossible to add enter actions)
- Bug fix #698: fixed deletion of enter and leave actions
- Bug fix #696: corrected default values of enums
- Bug fix #690 related to enums full names

2.10.2. Model

- Override mode overhaul
- Target type added to targets
- Handled Stop in SR mode message
- Start of mission in Level 2 and DMI interactions

2.11. Release 1.0.72

2.11.1. Tool

- Intellisense based on precise input
- Display step description correctly for subset-076 tests
- Avoid freezes using WCF interface
- Review test execution mode to allow mix between tree view and step by step buttons
- Bug fix #573
- Bug fix #655

2.11.2. Model

- Completed Level 2 start of mission integration with DMI
- Refactored Text message handling
- Reviewed packet handling and integrated them for EURORADIO
- Stop displaying level transition orders when the level transition is executed
- Use MRDT only as displayed target, not for computing braking curves
- Review System version management for EURORADIO

End of Document