Core Highways Release Notes
v4.0.5.2

The Global Leader in Infrastructure
Asset Management Solutions

Document Control

1.1 Author

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1.2 Document Summary

This document provides a description of the changes in this release and information about how these changes may impact on an Exor installation.

1.3 Document History

Document History			
Revision	**Date**	**By**	**Description**
1.0	25 Feb 2009	R Coupe	First Edition

1.4 Reference documents

None

1.5 Distribution

Exor Customers, Partners and Staff

1.6 Quality Assurance

Document Details	
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2 Introduction

This document highlights the key changes to the exor Core Highways database following the release of ***Core Highways v4.0.5.2.*** It is specifically targeted at users and system administrators of the exor systems. Changes in the core database functionality have the potential to have wide impact across all exor applications and it is important that these changes are understood. However, many of the functions of Exor ***Core Highways*** are extremely technical in nature and this document is aimed at those with some degree of technical knowledge and not at end users.

It is not intended to be a full system description but a guide to indicate what changes have been made, why they have been made and the potential failings if this upgrade is not applied.

In the main functional areas of core network and asset maintenance, this release is a patch. However, some enhancements in the area of Enquiry management have forced the re-compilation of all Forms and therefore the inclusion of all modules. The patches that are included in this release are aimed at an improved reliability building on the recent core reliability improvements during recent upgrades from 4.0.4.6 through to 4.0.5.1. The release is also co-ordinated to coincide with changes to other products such as UK Street Gazetteer Manager and TMA. However, it should be noted that some important issues are addressed in this release and it should be applied to all current systems that are at release 4.0.5.1.

Please note that this patch must only be applied to releases at version 4.0.5.1.

After reading through this document, should you have any need for training or consultancy then please contact your ***exor*** account manager. If these changes are considered important for your current release and this is incompatible with this patch release then please contact ***exor support***.

This patch is intended to be used in conjunction with Spatial Manager 4.0.0.6452 and supports recent extensions to the Exor Map Services inside version exorMapviewer4051.jar. The exor mapviewer jar file comes in two versions for compatibility with versions 10.1.2 and 10.1.3 mapviewer server.

The contents of this release are aimed at providing better performance and more reliability within the ***exor Core Highways*** and other products. The changes have no client impact and can be applied without risk to existing client tools.

3 New and Changed Functionality

This release is predominantly a bug-fix release so no fundamental changes have been made.

4 Log No. Summary

This chapter summarises all Software Bugs and Changes that have been made in this release. These changes are derived from the following sources:

- Customer raised issues
- Internal testing
- Minor enhancements.

ECDM#	Issue Description
702571	Reclassify failure on derived attributes
703305	Extended LOV failure
703811	Themes table not found when zooming to features in locator.
706109	Unexpected error occurred ORA-00933: SQL command not properly ended ORA-06512: at 'HIGHWAYS.HIGGRI', line 1420
709024	General test failures on groups of sections form
709250	Asset locations on circular routes.
709369	Column not found Ora-904 when editing a network element. This is a common error when a user has set a route theme to be update-on-edit = Immediate. This is an invalid data setting. Recommended that the client be advised and that this issue is addressed by a constraint in a future release.
709394	use of level without connect-by (same as others 51432 & 51433) - this has been corrected by recoding forms with tree structures to avoid the use of the level keyword without a connect-by clause. The change should avoid the use of an "alter session allow level in connect by"
709751	Date logic flawed in merge of network elements
709837	Invalid column on theme feature table. Fixed through metadata. Same as 709369
709844	Failure to handle null xy data on xy driven spatial representations of non-inventory (foreign) tables such as defects
709854	Min and max value check in asset metamodel
710811	Mis-spellings on form nm0002
710897	Circular route, no start defined in prompt from SM
710930	Split at node as well as split at measure and/or XY was tested at 4051 and found to be working as expected.
711362	SM truncates attributes
711438	Roles on two or more themes for the same asset type and performs a search in Locator fails
711700	Added a scroll bar to hig1895
711913	Failure to create group when auto-population of unique key was used

712002	FRM-40735: KEY-LISTVAL trigger raised unhandled exception ORA-00933 same as 706109
712046	Added scroll bars to hig1895 (same as 711700)
712111	Reclassify problem in SM. Problem caused by a reclassify being executed in the same transaction more than once leading to corruption of globals.
712210	Failure in GIS Themes module
712418	Failure to start MapViewer - No initial extent defined due to non-existing network theme. Correction made to customer metadata.
714254	GRI date columns do not order correctly
714273	Roles allowed with spaces in the name
714818	Failure to merge due to date format masks
715071	When trying to access the GOG form, the following error message appears: FRM-92101: There was a failure in the forms server during startup. This could happen due to invalid configuration.
715080	Reclassify loses link from defects to associated documents.
715185	Problems with subordinate user views
715875	non-enterable unique field - would not allow cut/copy for paste in nm0110
715877	Size of drop-down increased in hig2020
715878	GIS form fails to indicate commit
715961	Merge on same date - key violation
716044	HOV_VALUE size increased
716115	Report format errors in nm0153
716121	LOV on objects is rstricted to views and tables with no recycle bin data in hig2010
716122	Tabbing skips field in hig2020
716124	General test failures in Gazetteer
716239	Structures undo merge failed due to faulty detection of changes after the original merge
716316	Engineering Dynamic Segmentation - Measures were not restricted to route length
716376	Locate asset button on floating toolbar
716376	Locate asset button on floating toolbar
716386	Record changed by another user error
716388	The Locate Toolbar closes when click on CREATE
716391	Change of routes when locating an asset does not modify the default start and end measures.
716395	Record changed by another user error
716476	Report truncates after 1 page
716514	Compile error and failure to upgrade street shapes. This issue relates to failures in the install shield software which has been corrected. The issue also relates to updates during the upgrade to set the geometry types to 3302. This was cleared.
716591	Lov empty on assets on route
716592	Error message displayed incorrectly in nm0570
716594	Length of field problem results in truncation (same as 718861) in module nm0510
716627	No commit/save message after server operations in nm0110
717171	Lov empty on assets on route
717172	Problems in relocating an Inventory Item. Fixed due to a re-compilation.

717286	ability to edit nm_inv_themes via forms
717678	Error running query on assets - Hierarchical assets problem. Use of level pseudocolumn outside of a connect-by clause in nm590
717696	Signature error in merge query forms, addressed during recompilation
717727	Error NET-0389: Invalid value defined for attribute: A specified value is invalid for an attribute in module hig1840
717798	No asset in lov in module nm0572 - same as 718014
717806	Close button unavailable on group of groups (nm0115)
717878	Same as 717678 - When-new-record-instance trigger failure in module nm0590
717947	key-exeqry trigger failure due to connect-by changes in module nm0510
718014	No asset in lov in module nm0572 - same as 717798
718015	NM0530 – max no of expressions in list is 1000 - Coded to handle more records by removal of a list and replacement with an in clause on a temporary array of data.
718089	NM0572 - Failure to extract csv from locator due to reserved words in view column definitions. The use of Oracle reserverd words causes problems in dynamic sql. Care should be taken to check use of reserved words in column definitions of asset views
718531	Rescale of group fails to deliver correct results. Problems caused in some circumstances when multiple start candidates were found.
718611	reshape fails with SRID
718802	Reserved words in view column definitions prevented in asset metamodel. Care should be taken and customers should assess their asset view column names.
718861	Length of field problem results in truncation (same as 716594) in module nm0510
718906	Adding datum in Sm when datum type has no pop-unique
719052	error in sm creation of group - needs nm3nwad.pkb version 2.9 - incorrect use of a local variable leading to failure to provide default in the members trigger. Same as 719067
719067	error in sm creation of group - needs nm3nwad.pkb version 2.9 - incorrect use of a local variable leading to failure to provide default in the members trigger. Same as 719052
719158	Save in Spatial Manager relates to a single attribute.
No log no	Change to better process snapping to usrns from sections