Core Highways Release Notes v4.0.5.1

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Document Control

1.1 Author

Rob Coupe, Technical Architect

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	01 Dec 2008	R Coupe	First Edition
1.1	11 Dec 2008	R Coupe	Add version of SM. Final version.

1.4 Reference documents

None

1.5 Distribution

Exor Customers, Partners and Staff

1.6 Quality Assurance

Document Details	
File	Prepared By
Core Release Notes v4 0 5 1.doc	Rob Coupe
Document Name	Reviewed By
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1.1	C Stewart
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2 Introduction

This document highlights the key changes to the exor Core Highways database following the release of ***Core Highways v4.0.5.1.*** 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.

This release is co-ordinated to coincide with patch releases of UK Street Gazetteer Manager and TMA. However, it should be noted that some important issues are addressed in this interim release and it should be applied to all current systems that are at release 4.0.5.0. Please note that this patch must only be applied to releases at version 4.0.5.0.

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.xx. Build 6154 and supports recent extensions to the Exor Map Services inside version exorMapviewer4051.jar.

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 Chapter describes the main areas of functionality that have been changed in this release.

- Changes to network edits – split

3.1 Changes to network edits – split

Changes to the split procedure instigated from Spatial manager allow the user to split a network element in one of three different mechanisms depending on their method of working.

In early releases of network manager, the option to split a network element was limited exclusively to a split at a known measure relative to the existing datum. This caused problems to users who wished to split at a known position. Recent changes to allow the split to operate at a fixed position had the effect that users who wished to split at a known measure needed to split at the position that mapped to that measure.

The split function can now be performed by choosing one or both of the two options to split at a known measure and/or at a known position. In the case of a split at measure only, the position of the split is calculated from the measure relative to the current datum. The split at XY will allow the user to pick the position of the split; the measure will be calculated from the projection of the position onto the existing datum. In the case where both the position and measure are used, the split position is provided and the new datum measure will be used. This has the effect of recalibrating the measures along the datum up to that point. This option will suit those users with a re-alignment where the network measure has been re-established up to the known split position.

3.2 Support for MapViewer 4.0.5.1

Functionality has been extended in the 4.0.5.1 release of mapviewer (file exorMapviewer4051.jar) to include the ability to digitize and measure lines as well as to digitize and calculate areas of polygons. This is supported through a new package nm3sdo_geom.

3.3 CSV loader extensions

There are extensions to the type of data that can be loaded through the CSV loader. The server has been extended to include the loading of route-based assets whose location is specified by a route identifier and a start and end position provided by pairs of ordinates. This is addressed in a separate document "CSV Loader – Route XY.doc"

3.4 Performance improvements

Further changes have been made in the creation of synonyms to improve performance. Performance of Oracle dictionary views in 10gR2 relating to synonyms have exposed some performance issues which have been improved in recent releases and will be addressed further at 4.1.0.0.

3.5 Compile schema

Improvements have been made to the compile schema script used during upgrades. The script no-longer attempts to recompile objects in the recycle bin.

3.6 Access to MapBuilder via non-highways owner accounts

The system has been modified to allow highways users other than the highways owner to access the Oracle MapBuilder product to register exor maps and themes.

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

Please note that this is not a full list of the issues that may be cleared as a result of this release.

4.1 Customer Raised Issues

Log No	
711624	Users having access to asset types through more than one role, one being in read-only mode and one normal could have encountered the problem of the read-only access taking precedence over the normal access thus preventing the update or entry of data. The lack of an order by on some code that delivered the set of roles for an asset type has been corrected. In many cases, this problem would not be apparent.
717138	Groups and members created through the Spatial manager interface had no control over the member start date thus making it impossible to create a group and its members and hence a spatial representation that was deemed to start on the same date as the group. The date of the group members is now deemed to be that of the group. Shapes are constructed and are deemed to start at the start date of the group. This problem was also apparent in the inability of the frms client to accept a start date on a group re-sequence or rescale. This meant that route shape start dates could only be generated at the current date. The form will now prompt the user for a start date which must be greater than the date of the last change to the group members.
716799	Split element changes addressed in new functionality described above
717051	Merge on same day as other edit. This was caused by network data with AD data not being maintained correctly during the merge.
715961	Duplicate issue to 717051
716627	Message saying "no changes to save" when committing changes has been corrected.
713555	Enhancement for extension to Mapviewer to provide measured distances and areas
711580	The Type 21 layer does not reflect the changes that are made during the street editing process
708131	Duplicate of 711580