Network Manager
Release Notes v4.2.0.0 Fix 36

Introduction

This document defines the changes made to the Network Manager product for fix release v4.2.0.0 Fix 36 and is specifically targeted at end users.

After reading through this document, should you have any further training or consultancy requirements then please contact your *exor* account manager.

Fix Details

Baseline Release	4.2.0.0
Fix Description	Network Manager 4.2.0.0 Fix 36 Patchset.
Prerequisites	
Implementation Instructions	Unzip nm_4200_fix36.zip to a staging folder. Log onto SQL*PLUS as the Highways Owner with the staging folder as the working directory. At the prompt type "START nm_4200_fix36.sql" and press return. Exit SQL*PLUS.
Limitations	None known
Configuration Information	None
How To Test	Recommend full regression test
Rollback Strategy	Initially implement on a test environment

List of Amended Files

Filename	Version
gis_themes.vw	2.2
log_nm_4200_fix36.sql	3.0
nm3gaz_qry.pkw	2.3.1.0
nm3sde.pkw	2.11
nm3sdm.pkw	2.34.1.2
nm3sdo.pkw	2.33.1.5
nm_4200_fix36.sql	3.0

Log No. Summary

This chapter summarises all software changes that have been made in this release.

These changes are derived from the following sources,

- Issues raised by Customers via Exor Support
- Issues raised internally by Exor

Issues

Internal Task ID	Issue	Support Log(s)
0110799	Changes to gaz query package to aid performance on some systems of network based asset searches run as subordinate users.	8001029771
0110806	This is an ECDM fault log that has been re-opened and although the symptoms are the same, it is actually a different set of factors that cause the problem. The fault results in a missing spatial representation of part of an asset under some circumstances. The fault is restricted to exclusive assets and, unlike the original fault, this only occurs when placing exclusive assets on the same piece of network on the same date. Under these conditions, the asset placement APIs will make adjustments to maintain as much of the history as it can without violating a primary key. When these adjustments are made, the API that governs the spatial representation can miss an update and can thus lose part of the spatial representation. The change is made to nm3sdm.update_inv_shape.	718333
0110810	In some customers' database, the generation of route shapes has had some inaccuracies in the measure at the vertices. The measure value is rounded to an appropriate number of decimal places based on the tolerance in the geometry metadata. Unfortunately, when the route layer is registered, the spatial metadata is inherited directly from the datum layers. If the units of measure differ between datum and route, the registration of the M value tolerance would be incorrect and hence route shapes would have inappropriately rounded measures. This fix will ensure correct registration of the route layer metadata when units are different, it will ensure correct rounding of the route measures and register or re-use a more appropriate spatial reference in the ESRI metadata where necessary. Having this data out of step can lead to disparity of the location of an asset when placed via a route and that resulting from a placement relative to the base datum. Customers with different units of measure on datums and routes should drop and refresh route layers.	8001022941
0110813	Node positions were rounded as a result of new nodes created from a split by measure. The rounding has been removed to allow the node to be directly on the centreline.	728121
0110814	Some functions such as adding an element to the Spatial Manager table of contents are checked against theme data held in a secure view – GIS_THEMES. This view returns data that is correlated against the roles available to the user. This correlation was erroneously coded with date-tracking logic which used the date at which a specific role had been granted to a user. This date is used for audit purposes and should not be used as part of any date-tracking logic and has been removed. The addition of an element into the table of contents is now allowed even if the effective date pre-dates the date at which the user was granted access to the element through the roles.	728806