

# Network Manager

## Release Notes v4.4.0.0 Fix 1

## Introduction

This document defines the changes made to the Network Manager product for fix release v4.4.0.0 Fix 1 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 **Bentley** account manager.

## Fix Details

Baseline Release	4.4.0.0
Fix Description	Network Manager 4.4.0.0 Fix 1 Patchset.
Prerequisites	
Implementation Instructions	<p>Unzip nm_4400_fix1.zip to a staging folder.</p> <p>Go to the relevant exor\bin directory on the Oracle Application Server and rename the following files:-</p> <p>hig1832.fmx.fmx to hig1832_old.fmx navigator.fmx to navigator_old.fmx nm0116.fmx to nm0116_old.fmx nm0575.fmx to nm0575_old.fmx</p> <p>Then copy in the new version of this file from the staging folder.</p> <p>Log onto SQL*PLUS as the Highways Owner with the staging folder as the working directory. At the prompt type "START nm_4400_fix1.sql" and press return.</p> <p>Exit SQL*PLUS.</p>
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
compile_schema.sql	2.10
hig1832.fmx	4.13.1.0
hig_alert.pkw	3.13.1.0
hig_audit.pkh	3.1
hig_audit.pkw	3.5.1.0
hig_audits_vw.vw	3.2
imf_hig_audit.vw	3.1
log_nm_4400_fix1.sql	3.0
navigator.fmx	4.25.1.0
nm0116.fmx	4.4
nm0575.fmx	4.5
nm0575.pkw	2.7.1.2
nm3bulk_mrg.pkw	2.38.1.3
nm3extent.pkw	2.3.1.0
nm3gaz_qry.pkw	2.17.1.0
nm3inv_security.pkw	2.4.1.0
nm3mail.pkw	2.10.1.0
nm3pla.pkw	2.6
nm3sdm.pkw	2.39.1.2

Filename	Version
nm3sdo.pkw	2.56.1.2
nm3sdo_edit.pkw	2.11.1.0
nm3sdo_util.pkh	1.1
nm3sdo_util.pkw	1.5
nm_4400_fix1.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 Bentley Support
- Issues raised internally by Bentley

### Issues

Internal Task ID	Issue	Support Log(s)
0111053	There was previously an issue with the NM7041: PBI Query Results form where queries would incorrectly return no network found messages. This issue has now been resolved.	
0111148	Previously a number of network edits would only be available to unrestricted users. The security has been modified to allow restricted users that can see all the network to make edits also. This included areas such as Closing Elements, Unclosing Elements, Reclassify, Closing of Group of Group and Group of Sections.	729683 8001015580 8001028732 8001028733 8001092739
0111152	Fixes issue where begin measures are incorrect when multiple assets on a route overlap and extend across the entire and partial portions of the route.	729286 8001092725
0111153	The Audit Details form (HIG1505) now only displays data that the user is authorised to view. In particular, when Maintenance Manager contract security is enabled this form will restrict data in line with the security policies.	8001083130
0111160	The original code processed the updates of end-dates on shapes for all records on a specific datum. This resulted in an update to set the end-date which affected records that had been previously end-dated. The same process was responsible under some circumstances of re-setting the end-date to be null on more records that it should have done. The code now targets the specific member records, the update of which, the process is geared to respond.	8001100659
0111171	Restore multiple asset category selection functionality.	8001071431
0111192	The original ticket that gives rise to this problem relates to Spatial Manager and the provision of too many choices to the user. However, the core code expects to merge two elements based on inheritance of attributes from the first of the two. This includes direction. Hence, the direction of the first element determines the direction of the result and hence determines the node to be dissolved. In the scenario where two datums start and end at the same nodes, there is a choice. The inclusion of the order-by in the relevant code limits the choice and will now arrange for the merge to inherit the direction of the first element as desired. Work will be required on SM to remove extraneous logic to fully satisfy the issues raised on the ticket.	8001101079
0111195	Restore the ability to delete/close assets on any effective date.	8001086110
0111207	Removed the minimum value restriction from Admin Unit field.	8001074882
0111220	Preserve the original member start dates on asset locations left behind after closing/deleting part of an asset location. No history is preserved for this operation.	8001071430
0111296	Snapping from one theme to another has a problem in some cases where the snapping theme is known, there are cases where the snapped theme (asset) has no base-theme.	8001113919
0111324	Problem is caused by a query being applied to a theme which has been configured with a label column that is permitted to be larger than 100 characters. The specific data that is found in the spatial search will fail with a value error when the data in this column is greater than 100 characters. The failure is due to the selected column not being truncated on insert into the internal data structure. The problem may be fixed by using a different column for the label. The fixes relating to this problem will force a sub-string of the label prior to the population of the internal array data.	8001125816
0111325	Utility package nm3sdo_util is included in fix and will be supported. Thsi utility is used to interface standard APIs and user-generated pl/sql procedures through the data-driven module execution of Spatial Manager.	
0111330	Ensure the extended LOV is called when appropriate.	
0111336	Snapping of an XY asset to a network where no theme snaps and the asset shape is not derived from the network (no base themes); the trigger will fail to find the element.	8001124055

Internal Task ID	Issue	Support Log(s)
0111340	<p>When updating the coordinates of multiple inventory items the error "ORA-01403: no data found" was sometimes being raised. This was down to a trigger on nm_inv_items calling nm3homo which in turn tried to lock the inventory by doing an update on nm_inv_items. This loop caused the trigger to fire again which blanked out the global array with the list of inventory in it. Therefore individual updates could be done without error but multiple could result in the error.</p> <p>The change has been made to prevent the attempted lock when inventory coordinates are updated.</p>	8001124055
0111345	Merge Query fails in cases where partial linear routes are being merged with assets with a shared location and where the partial linear route is non-exclusive and multi-valued.	8001133789
0111350	Alert trigger did not work correctly when using OR operator in the condition block. This has been fixed now.	8001057487 8001104270
0111353	Add missing load file data which can cause problems when attempting to upload shapefiles.	
0111359	Fixed the one hour difference caused by British Summer Time Daylight Saving Time not being reflected properly on email timestamps.	8001104477 8001119964
0111361	Navigator not showing associated documents when called from Mai3806 (Defects), MAI3800 (Works Order) etc. This has been fixed now.	8001110695
0111363	The undo process will remove the elements created as part of the process being undone. Any dependent spatial representations of assets will also be removed. In the case of whole-road AD data such as that used in the NSG product, the data was not being removed.	