

# Network Manager

## Release Notes v4.5.0.0 Fix 13

## Introduction

This document defines the changes made to the Network Manager product for fix release v4.5.0.0 Fix 13 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	4.5.0.0
Fix Description	Network Manager 4.5.0.0 Fix 13 Patchset.  Corrections to delete global assets module
Prerequisites	
Implementation Instructions	Unzip nm_4500_fix13.zip to a staging folder.  Go to the relevant exor\bin directory on the Oracle Application Server and rename the following file:-  nm0575.fmx to nm0575_old.fmx  Then copy in the new version of this file from the staging folder.  Log onto SQL*PLUS as the Highways Owner with the staging folder as the working directory. At the prompt type "START nm_4500_fix13.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
log_nm_4500_fix13.sql	1.0
nm0575.fmx	5.1
nm0575.pkw	2.13
nm3sdo_ops.pkh	1.2
nm3sdo_ops.pkw	1.6
nm_4500_fix13.sql	1.0

## 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)
0111193	<p>Restore the ability to delete/close assets on any effective date. There are some checks enabled in the server code. Operating at dates in the past on a route or network area that has changed over time will only operate on the network area that is defined at that date. The procedure is stopped if the network has changed.</p> <p>Also, by operating at a specific date, some assets remain invisible and will therefore not be operated on. Conversely assets that are visible in the date tracked views that have been closed at a later date would also be closed at an earlier date. Again, the procedure will raise an exception and abort if these conditions are met.</p>	8001086110
0111410	Screen showing the results table has been added. This had been removed around release 4.0.2	8001071432
0111537	Delete global assets forms and server code failed to handle parts of asset locations that were included in the region of interest. Also, difficulties arose from the results table failing with a primary key violation in cases where multiple asset locations were included in the region of interest and where the user opted to execute multiple transactions in the same forms session. Also, the form failed to populate the targeted asset types on the second execution if the route/region was populated using a gazetteer search	8001190683
0111930	<p>Code now raises two new exceptions to prevent problems in the data. These arise due to operations on end-dated data but where route measures or asset locations exist at a future date and would be left unaffected after the operation or where date-tracking integrity checks would lead to failure. These are reported inside the client module as follows:</p> <ul style="list-style-type: none"><li>- The NW has datums that start later than the effective date - the assets on this member datum would either be unaffected or would give rise to a server error</li><li>- Inv. data that is opened later than the effective date will remain unaffected or data that has been closed later than this date would be changed</li></ul> <p>In each case these exception prevent errors and indicate that the operation is not valid at the currently specified effective date.</p> <p>The code cannot operate successfully on all assets in a hierarchy. The hierarchy is kept in sync to some extent but relationships to parent and child assets are closed/deleted even if the relation is flagged as optional.</p> <p>Spatial data was not kept in sync in previous versions. Asset shapes that are dynamically segmented will have been kept in sync with the location data as long as the theme update_on_edit flag is set to 'Y' on the base table theme. Recent changes will correct any asset spatial representations that are remaining. Off network asset shapes will be end-dated or deleted as part of the process. Relationships between asset data and other entities such as schemes, defects, work-order-lines are not maintained by this code at this stage. Document associations are deleted when an asset is end-dated or deleted. This is due to the non-temporal nature of the document associations relationship.</p> <p>New package has been introduced to keep spatial data in sync with bulk operations on sets of asset IDs.</p>	8001190785