

# Network Manager

## Release Notes v4.5.0.0 Fix 1

## Introduction

This document defines the changes made to the Network Manager product for fix release v4.5.0.0 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	4.5.0.0
Fix Description	Network Manager 4.5.0.0 Fix 1 Patchset.  General 4.5 fix release (see release notes for details)
Prerequisites	
Implementation Instructions	Unzip nm_4500_fix1.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_4500_fix1.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
extent_fk_cascade.sql	1.3
log_nm_4500_fix1.sql	3.0
nm3api_inv.pkw	2.6
nm3homo.pkw	2.20
nm3nwad.pkw	2.14
nm3pla.pkw	2.9
nm_4500_fix1.sql	3.1

## 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)
0110909	The asset location relative to a circular route is faulty when is located across the initial and end nodes of the route but does not completely cover the route. The resultant asset location is identical to the result when the user has created an exclusive asset along the whole circular route - from start to end, then replaced it with a new asset internally within the measures of the route. The two fragments at each end of the circular route were failing to be displayed as two fragments. This was due to a faulty order-by clause which failed to pin down the order - hence the problem did not always arise and is very difficult to replicate.	8001049753
0111438	End-dating of inventory locations would allow completion despite locations in existence after the date of closure. This was due to the check being based on the locations of the inventory at the date at which the user wished to close it. A better checking process is now included and an exception raised if the locations cannot be closed.	8001172067 8001288133
0111467	Reclassifying a group with secondary AD data could fail with date-related problems	8001178316
0111809	<p>The problem is possibly caused by SM creating faulty extents from route layers. The extent is a three tier hierarchy and APIs exist to remove any one of the three tiers of data. SM only plugs into two of the three APIs allowing the removal of the extent or the extent member datums. To minimise the problem, the extent hierarchy is now cascaded after the API so at least the top level can be cleaned out.</p> <p>Prior to this fix, the foreign keys from extent members and extent member datums were disabled but on many cases inadvertently enabled on customer sites. The script executes a cleanup - removing all orphan member and member datums before re-creating the foreign key with the cascade delete option.</p>	8001269723