



Resource Governance Solutions

Network Asset Management (NetAM)

NetAM

Record Edit : View (LAsset_L1)

Common <Point Item Map>

Code	R2299	Template	Road
Name	Forest Road	L1 Parent	R22
SLK Start	0	Status	Active
SLK End		Start Date	
Direction	North	End Date	
Location	Deep Creek	Map Ref Start	256 E6
Terminus Start	Warringah Road		

Grid

Drag a column header here to group by that column.

Segment Type	Sort Seq	Element Name	Required	Data Type
Road Construction	1	Cross Section		
Road Construction	2	Formation width		
Road Construction	3	Pavement width		
Road Construction	4	Pavement year		
Road Construction	5	Seal type (original)		
Road Construction	6	Seal width (original)		
Road Construction	7	Seal year (original)		
Road Construction	8	Modified structure numb		
Road Construction	9	Treatment type code		
Road Construction	10	Treatment year		
Road Construction	11	LG funding weight factor		

Grid Tree

- :Pipe
- :Condition
- :Road
 - :Construction
 - :Cracking
 - :Roughness
 - :Soil Type
 - :Flora
 - :Road Unsealed

- ✓ RGS NetAM, provides the best solution to properly tracking and managing the condition of linear assets in one easy to use application.
- ✓ Break up linear assets into any number of segment types that contain details configured specifically for that type of segment. Mix and match segment types for reporting and analysis purposes.
- ✓ Use stand alone or integrated with your GIS product to simplifies linear asset management.
- ✓ Forecast, monitor and control your network assets throughout their lifecycle.
- ✓ Call today to find out how NetAM can help make your business more effective and efficient.

Advanced Functionality

Network Asset Management's function is to manage the condition and valuation of linear asset networks.

Asset Detail Segments

Asset attributes and condition are recorded as segments of the asset. Each segment records details applicable to its Segment Type. Segment Types can be created for condition types, physical, geographical and jurisdictional attributes.

Group Segments

Group segments are derived from two or more Detail Segments. Each group Segment identifies a segment along the asset with identical group attributes.

Linear Asset Templates

Templates are used to simplify the creation of a linear asset and all the associated Segment Types and Segment Details.

Powerful Merge and Split

Asset segments may be merged and split as condition assessments take place or as attributes associated with the asset are changed. These processes update dependent segments throughout the network hierarchy.

History Tracking

As asset segments are updated history is maintained of the segment details prior to the change.

Interfaces

Segment details data can be loaded from spreadsheets or PDA devices used to collect condition and attribute details.

Security

Access to data and processing options is configurable for each user's needs.



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Network Asset Management (NetAM)

Overview

NetAM is a generic linear asset network management system which can be extended, where appropriate, to support Client's specific requirements. The building block of the generic model is a linear asset. Each linear asset can be made up of zero or more sets of linked linear assets. This enables a recursive hierarchy to be created that can be managed to any depth.

NetAM is managed at three levels: Administration; Data Entry; and Enquiry and Reporting. The Administrator defines the Segment Types, Segment Detail Elements and the Network Templates to be used. Data Entry operators are then able to define and update linear assets based on the available Network Templates and the associated Segment Types. Enquiry and reporting functions are then available to display and report data independent from the data entry functions.

Detail Segment Type

These are the data collection segments. Details can be recorded for each of the associated set of Detail Elements. Data can be added to these segments through the User Interface form or imported from data collection devices.

As an example, in a Road Asset, detail Segments could be defined for Road Inventory, the various Condition categories and to record other administrative or environmental details.

Segment Detail Elements

Segment detail elements are configurable for each Segment Detail type. Elements are registered and assigned one of the following data types; Text, numeric, date and lookup data types. Configuring Detail Elements provides control over the attributes and data validation applicable to each Segment Type.

Group Segments

A Group Segment Type is used to register a set of Detail segment types for reporting and analysis purposes. For instance, a Group segment type may contain Road Inventory, Cracking Condition and Rutting Condition while another Group segment type would contain Soil Type and Weed Extent. A system function then creates a set of linear asset segments linked to the Group segment type that reflect changes to the registered Detail segment types.

Managing Segments

Functions available to the Data Entry operator allow a Linear Asset Segment to be managed in the following ways:

- ✓ Split and Merge Segments
- ✓ Lengthen and Shorten Segments
- ✓ Update Segment Detail Elements

Each of these functions manages the consistency of data down through the network hierarchy. For instance lengthening a Road Inventory Segment would shorten the subsequent Segment. This is effectively a split of the next Segment and then a merge.

The Enquirer and Reporter then simply view the Network as a set of Segment Types containing linear asset segments with a set of Detail Elements. Group Segment Types allow the coloration of a number of Detail Segment types into a single view.

GIS Integration

Mapping information comprising shapes, layers and co-ordinates are available to integrate with GIS systems.

About Us

Resource Governance Solutions develops IT based solutions that simplify the challenging task of managing resources effectively and efficiently. Why not contact us today.

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