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Detailed Feature List

ConnectMaster® is a universal resource management software for telecom networks and inventory managing physical and logical resources, network capacity, customer connections and services by supporting all vendors and technologies.

ConnectMaster® feature details:

Technology
DWDM and wavelengths
- OADM
- ROADM
SDH
- Hierarchies
- Virtual containers
Sonet
PDH (European & Nth American)
Ethernet
- Ethernet Point to Point
- VLAN tracking
- VPLS
- Ethernet over SDH
FTTx / PON
SDH Rings
Radio Links
Copper cable technology eg DSL

User Facilities
Prepare BOMs
Attach documents, photos, plans
Attach test results, OTDR etc
Network occupancy reporting
Building / floor occupancy usage
Mark-up plans
Indicate fault locations
Track leased duct /subduct
Track leased fibre
Network utilisation
Read-only version
Redline network alterations

Inventory Management
Inside plant
Outside plant
Spares management

Project Work Orders
Track work orders
Manage project phases

Transmission Media Cables
Copper
- Coaxial
- Twisted pair
- LAN
Optical
- SMOF
- MMOF

Radio

Splicing
Splice table generation
Splice rearrangements
Splice loss data
Create connections from splice table
Splice schematics

Attachments
Photos
CAD files
Geo-registered CAD files
Serial number
Type/model
Dimensions
Data sheets
Handbooks

Inside Plant (ISP)
Sites
Major equipment sites
C0-location sites
Point of presence in competitor sites
Optical amplifier and regenerator sites
Minor equipment sites
Customer sites

Site Data
Address
Access data
Floor plans
Rack layouts
Co-ordinate data

Equipment
Equipment diagrams
Port data
Equipment inter-connects
Patching
Subracks
Cards

Equipment Data
Model number
Serial number
CLEI
Dimensions
Data sheets
Handbooks
Photos

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External Plant (OSP)
Sites
Manholes
Pits
Poles
Buildings

OSP Site Data
Cable entries to pits, buildings
Duct layouts
Splice enclosure types
Slack lengths

Cable Data
Cable owner
Leased cable (to/from)
Leased fibre (to/from)
Patchcords
Pigtails
Colour codes
Third party cable
Preterminated cable
Cable design (slotted core/ loose tube)
Fibre type (G.652, G.655 etc)
Sheath readings
Cable lengths
Termination, connector type
Manufacturer
Serial number
Batch ID
Drum no.

Cable Installation Method
Haul
Plough
Blown
Trench
Trough
Aerial
Bored

Cable Installation Records
Co-ordinate data
Bore length, depth, start & finish locations
Trench length, depth, start & finish locations
Trough owner, subduct data
Marker posts, location, cable depth, ID
Pit type, location
Buried transponder location

Termination Modules
Optical ODFs, patch panels
Copper Krone, coaxial, MDF, LAN

Internal Connections
Internal rack
Rack to rack
ODF,MDF etc to equipment
Intra-building cabling

Optical Circuits
Layers
Physical
DWDM, CDWM
SDH/Sonet
- STM-1, 4, 16, 64, 256
- Equivalent Sonet
- Optical multiplex sections
- Optical channels
Service layer
Customer service IDs
Path IDs
Logical IDs
Virtual circuits
VC12, 3,4, 4-4c, 4-16c, 4-64c, VC4 mapped with both VC12 and VC3

Service Mapping
Map layers to ports, cables, fibres
Map services to ports
One to one, one to many
Diverse paths
Worker / Protection handling

System Functions
Version control
Multi-version database
User change tracking
User management
Software version upgrade
Data portability to other systems
Data import
- Duct routes from co-ordinate data
- Cable routes from co-ordinate data
- Sites from co-ordinate data
Data export
Data output
Responsive user interface
Data backup facility
Remote backup
Multiple network databases

Operating Platform
Server - client topology
Unix server
Windows server
Windows clients

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Cable ROW Access
Land owner
Site lease agreements
Route access points
Cable Test Records
Attach records to cable, fibre, connector
OTDR traces
Insertion loss
Reports

Fibre Data
Fibre groups
Fibre circuit schematics
Fibre lengths
Calculated loss
Connector types
Splice loss
Splitter data

Joint Enclosures
Cable designations
Multiple cable entries
Cater for different fibre counts
Addition of extra splice trays
Addition of splitters, WDM filters etc
Enclosures with patching
Closure model
Manufacturer data

Read - only version for remote use

Mapping Engine (based on MapInfo®)
Capable of nationwide street data
Include street address geocoding data
Comprehensive national and local infrastructure layers
Ability to zoom to higher detail data map layers
Measure distance point to point and multipoint
Display co-ordinate data
Thematic mapping
Advanced query functions
Handle geo-registered CAD drawings
Handle raster map images
Geo-register aerial photographs and other raster images
Flexible map projection and datum
Layer transparency

Documentation and Support
Hard copy User, System, Admin manuals
Soft copy manuals
Online documentation
Context sensitive help
Supplier training
Ongoing training availability
Initial technical support
Ongoing tech support contract
Web based support