

Master.Scribe Inventory Functional Specifications

Feature	Description
Circuit and asset management	
GUI	<ul style="list-style-type: none"> Remedy-based GUI creates, edits, validates, and maintains assets and inventory
Network engineering and provisioning	
Telecom asset tracking	<ul style="list-style-type: none"> Builds, maintains and tracks complete models of all types of telecommunications equipment Supports inventory management of customer equipment Creates, modifies and removes records of equipment and facilities
Pre-configured asset catalog	<ul style="list-style-type: none"> Includes pre-configured asset catalog that models key types of equipment (DSLAM, ATM switches, IP routes, etc)
Non-telecom asset tracking	<ul style="list-style-type: none"> Tracks other asset types, such as test equipment, vehicles and buildings
Fully configurable asset types	<ul style="list-style-type: none"> Enables service providers to define asset types and configurations, including component configurations (types, models, number of ports, etc) Auto-generates child assets (such as cards) and connection points (such as ports, cross-connect points and slots)
Maintains hierarchical relationships	<ul style="list-style-type: none"> Builds and maintains an n-level (unlimited) hierarchical relationship of equipment and/or facilities against a site
Asset state tracking	<ul style="list-style-type: none"> Captures and tracks the state of assets through various stages (planned, ordered, received, available, assigned and retired) Captures operational state, such as In Service or Out of Service
Consumption tracking and notification	<ul style="list-style-type: none"> Tracks consumption of assets, such as connection points and available bandwidth Sends notification when a quantity of an asset falls below a predefined level
Maintains vendor information	<ul style="list-style-type: none"> Stores vendor information, such as contact numbers, contracts and warranty periods
Maintains cost information	<ul style="list-style-type: none"> Tracks one-time and recurring costs of equipment and facilities related to installation and ongoing maintenance
Circuit and facility engineering	
Design and assignment	<ul style="list-style-type: none"> Assigns equipment and facility assets to backbone network or customer circuits
DSn/En circuit hierarchy	<ul style="list-style-type: none"> Maintains standard DS-0/E-0, DS-1/E-1 and DS-3/E-3 circuit configurations and their channel relationships
Support of DSn/En groups	<ul style="list-style-type: none"> Maintains trunk groups, DS-0/E-0, DS-1/E-1 and DS-3/E-3 groups for easy reference and manipulation
Optical network modeling	<ul style="list-style-type: none"> Maintains a searchable hierarchy relating fiber strands, network equipment, links and end-to-end connections, for standard North American SONET and international SDH optical carrier and channel relationships
SONET and SDH ring modeling	<ul style="list-style-type: none"> Able to model two-fiber uni-directional and four-fiber bi-directional fiber rings, add-drop multiplexor placement, and protection channels against sites
Fiber facility and DWDM support	<ul style="list-style-type: none"> Provisions fiber facility and DWDM
STS/STM bandwidth allocation	<ul style="list-style-type: none"> Creation, modification, linking, deletion and assignment of virtual tributary group enabled or non-enabled STSn and tributary unit group enabled or non-enabled STMn facilities
Circuit plans	<ul style="list-style-type: none"> Builds and stores plans describing detailed office wiring (ports, frame blocks, cable pairs, etc)
Logical circuit	<ul style="list-style-type: none"> Builds and tracks frame relay and ATM PVC, including traffic characterization and assigned QoS data Models VPN/VLAN configurations
Build service circuits	<ul style="list-style-type: none"> Builds and maintains end-to-end customer service circuits through the horizontal linking of equipment and/or facilities. These may be physical (DSn/En or OCn) or logical circuits.
Circuit diversity creation and tracking	<ul style="list-style-type: none"> Builds and tracks diverse circuits Provides screen notification if the user inadvertently tries to break the diversity rules
Circuit layout record	<ul style="list-style-type: none"> Generates a detailed circuit layout record
Future availability tracking	<ul style="list-style-type: none"> Tracks future availability date of circuits for reassignment with a pending release state