

# Master.Scribe Number Track Functional Specifications

Feature	Description
<b>Circuit and asset management</b>	
GUI	<ul style="list-style-type: none"> <li>Remedy-based GUI creates, edits, validates, and maintains assets and inventory</li> </ul>
<b>IP address management</b>	
Automatic creation	<ul style="list-style-type: none"> <li>Automatically creates IP addresses in subnets</li> </ul>
IP address assignment	<ul style="list-style-type: none"> <li>Creates, assigns and tracks IP addresses and related information, such as host name, domain name, MAC address, etc</li> <li>Assigns public and private IP addresses</li> <li>Supports stand-alone and block IP address assignment</li> <li>Attaches IP addresses to hosts</li> </ul>
Standards support	<ul style="list-style-type: none"> <li>IPv4</li> <li>CIDR</li> <li>VLSM</li> </ul>
IP blocks	<ul style="list-style-type: none"> <li>Selects subnets based on number of IP addresses or by specifying the subnet address</li> <li>Automatically creates IP addresses for selected subnet</li> <li>Assigns commercial blocks to customer</li> <li>Creates stand-alone IP addresses</li> <li>Attaches circuits to IP blocks</li> </ul>
Networks	<ul style="list-style-type: none"> <li>Stores IP network hierarchy—subnets and supernets</li> <li>Supports supernet functionality</li> <li>Provides threshold monitoring</li> </ul>
<b>Domain name system management</b>	
Domain names	<ul style="list-style-type: none"> <li>Stores the DNS architecture</li> <li>Prepopulated with the top-level domains</li> <li>Includes subdomains</li> <li>Hosts FQDN</li> </ul>
Host names	<ul style="list-style-type: none"> <li>Tracks host and domain names against the assigned IP addresses</li> <li>Attaches IP addresses and their respective host FQDNs to host names</li> <li>Creates user accounts (service order Internet account services)</li> <li>Attaches assets to host names</li> <li>Attaches connection points to IP addresses</li> </ul>
Zones	<ul style="list-style-type: none"> <li>Creates resource records (SOA, NS, MX, A, CNAME and PTR types)</li> <li>Includes subdomains</li> <li>Enables import/export DNS zone files</li> </ul>
<b>Virtual network management</b>	
Virtual network domains	<ul style="list-style-type: none"> <li>Supports IP-VPN or VLAN types</li> <li>Creates IDs/tags</li> <li>Assigns customers to IDs/tags</li> <li>Attaches assets to the domain</li> <li>Attaches connection points to the IDs/tags</li> </ul>
MAC addresses	<ul style="list-style-type: none"> <li>Tracks MAC address information for network interface cards against assigned IP addresses</li> </ul>
<b>Telephone number management</b>	
Telephone number creation and tracking	<ul style="list-style-type: none"> <li>Creates new PSTN numbers individually or in blocks</li> </ul>
Toll-free number creation and tracking	<ul style="list-style-type: none"> <li>Tracks PSTN number status and configuration</li> <li>Removes numbers from service</li> <li>Associates numbers with hosts</li> </ul>
Number reservation	<ul style="list-style-type: none"> <li>Creates new toll-free numbers (individually or in blocks)</li> <li>Tracks toll-free number status and assignment</li> <li>Removes numbers from service</li> </ul>
Vanity numbers	<ul style="list-style-type: none"> <li>Reserves numbers for new subscribers</li> <li>Automatically returns reserved numbers to the available number pool if not activated by a predetermined time or upon order cancellation</li> <li>Accessible from the Service Order module during order entry</li> </ul>
Assignment	<ul style="list-style-type: none"> <li>Allows users to query the availability of vanity numbers through text input</li> <li>Accessible from the Service Order module during order entry</li> </ul>
Local number portability	<ul style="list-style-type: none"> <li>Determines available numbers and associates them with circuits or trunk groups and new customers</li> <li>Managed as a part of the service provisioning workflow driven off the Service Order module</li> </ul>
Number blocks	<ul style="list-style-type: none"> <li>Handles ported-in numbers (those in blocks owned by other providers) and ported-out numbers (those in blocks owned by the provider that have been migrated to another provider by the customer)</li> </ul>
Number queries	<ul style="list-style-type: none"> <li>Creates number blocks for customers, identifies lead numbers and assigns from these blocks</li> </ul>
Threshold monitoring	<ul style="list-style-type: none"> <li>Accesses customer and contact information in the number database for customer support, order processing and trouble report management</li> </ul>
Audit trail	<ul style="list-style-type: none"> <li>Monitors the level of available numbers and issues a notification when a preset threshold is reached</li> </ul>
NPA split	<ul style="list-style-type: none"> <li>Provides an audit trail of all number status changes</li> </ul>
Calling card number assignment	<ul style="list-style-type: none"> <li>Handles automatic reassignment of numbers for NPA splits</li> </ul>
PIN generation	<ul style="list-style-type: none"> <li>Automatically creates, tracks and manages calling card numbers</li> </ul>
Standards support	<ul style="list-style-type: none"> <li>Will randomly generate a PIN value or give the user the option to override with a preferred PIN value</li> <li>Accessible from the Service Order module as a part of the order provisioning process</li> </ul>
	<ul style="list-style-type: none"> <li>10 digit North American</li> <li>15 digit international (I.164)</li> <li>Country/region specific formats</li> </ul>