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See accompanying PowerPoint deck for editable version

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Register Manager

 Inputs: Register/Unregister flag, Manager ID, Access capabilities, Security key

 Outputs: Status

List Available Events

 Inputs Manager ID, Security Key, Event Types (All, …)

 Outputs: Status, List of events

Events Register

 Inputs: Register/Unregister flag, Manager ID, Security Key, Event Type (All / …) OR List of Events

 Outputs: Status

List Resource QOS Capabilities

 Inputs: Manager ID, Security Key, Resource ID

 Outputs: Status, List Resource Capabilities

Request Resource QOS

 Inputs: Manager ID, Security Key, Resource ID, QOS Option

 Outputs: Status

Gather Resource Failover Options

 Inputs: Manager ID, Security Key, Resource ID

Outputs: Status, List of Failover Options

Release Resource Failover option

 Inputs: Manager ID, Security Key, Resource ID, Failover Option

 Outputs: Status

Execute Best Resource Failover Option

 Inputs: Manager ID, Security Key, Resource ID, Scope

 Outputs: Status

Query Resource Features

 Inputs: Manager ID, Security Key, Resource ID, Resource type (All, location, speed, manufacturer, …)

 Outputs: Status, Resource ID, List of Resource Features

Query Resource Connections

 Inputs: Manager ID, Security Key, Resource ID

 Outputs: Status, Resource ID, List of Resource Connections

Query Resource Path

 Inputs: Manager ID, Security Key, Resource ID

 Outputs: Status, Resource ID, List of Resource Paths

Build Resource Path

 Inputs: Manager ID, Security Key, Resource ID, Path

 Outputs: Status

Modify Resource Path

 Inputs: Manager ID, Security Key, Resource ID, Path ID, Path

 Outputs: Status

Delete Resource Path

 Inputs: Manager ID, Security Key, Path ID

 Outputs: Status

Modify Resource

 Inputs: Manager ID, Security Key, Resource ID, Resource Characteristic tuple

 Output: Status

Create Resource Namespace

 Inputs: Manager ID, Security Key, Resource ID, Namespace ID, Initial ACL, Allowed Client List

 Outputs: Status

Delete Resource Namespace

 Inputs: Manager ID, Security Key, Resource ID, Namespace ID

 Outputs: Status

Query Inventory

 Inputs: Manager ID, Security Key, Resource Type (All, Memory, Storage, CPU, …)

 Outputs: Status, List of Resources

Reserve Inventory

Inputs: Manager ID, Security Key, Requested Resource ID list

Outputs: Status, List of Reserved Inventory IDs

Release Inventory

 Inputs: Manager ID, Security Key, Released Resources <All/Resource Type, Resource ID list>

 Outputs: Status

Report Resource Issue

 Inputs: Manager ID, Security Key, Resource ID, Issue

 Outputs: Status

Gather Resource Security Info

 Inputs: Manager ID, Security Key, Resource ID

Outputs: Status, Resource ID, Resource Security Status (Unsecure, Restricted), <Allowed Client List>

Modify Resource Security Setting

 Inputs: Manager ID, Security Key, Class / Resource ID, Access Type <Unsecure, Restricted>, Restricted List>

 Outputs: Status

Register Resource Security Setting (Mike understands this one – up to him to explain)

 Inputs: <>

Pull Client Request from Queue

 Inputs: Manager ID, Security Key, Queue ID

 Output: Status, Client Request

Client Request Fulfilled

 Inputs: Manager ID, Security Key, Queue ID, Request ID, Request Status

 Outputs: Status