

QuickConneX Prerequisite Checklist

1.0 CUSTOMER SITE PREREQUISITES

- Provide GPS address for the deployment location and the contact name / mobile number for the onsite representative, if onsite deployment is planned.**
- Understanding and Agreement to the FacilityConneX Subscription Services Agreement:**
http://facilityconnex.com/images/uploads/FCX_Subscription_Services_Agreement_091615.pdf
- Onsite Computer System Resources Requirements (Can be shared with other Applications)**
 - Onsite Windows Server with access to the data source
 - Operating System: Windows 2008, Windows 2012, Windows XP, Windows 7 or higher (32 or 64 bits with latest updates)
 - Dual Core processors
 - 4 GB of RAM
 - 5 GB of space (for Store and Forward Buffer)
 - .NET Framework 3.5 (Needed for Historian and QuickConneX; system can have multiple versions but does require 3.5)
 - JRE 7 or higher
 - Administrative access or service level account with Administration rights that the system will run under continuously
 - Document Computer Name?

 - Computer must be "on" at all times. If this computer is a desktop, ensure it is configured to NOT go to sleep or shut down.
- Connectivity to Cloud**
 - Requires Outbound 443 Internet traffic to be allowed (requires path to Internet Gateway and 443 Outbound traffic allowed) from the onsite Windows Server
 - Short term Connectivity to the onsite Windows Server for Configuration (VPN (remote), WebEx (remote with local support), or Onsite required?)

 - Do you leverage a Proxy Server?

2.0 PRIOR TO CONNECTION

- Exported list of Tags to mobilize**
 - .xls export from Historian, SCADA, or BMS system of all tags that are chosen for import to FacilityConneX NOTE: If the expertise required for the actual export is not available, tags should be verified that they are published and available for export
 - If the FacilityConneX package is Detect & Know (used with Fault Detection & Diagnostics) ensure the required tag list (separate document) is included in the export
 - Document the data source for each exported tag or file (BMS, SCADA, Historian, PLC, etc.)

- List of Assets to mobilize**
 - List of Assets and their specifications / types
 - General Hierarchy of Assets to use in Visualization

3.0 CONNECTION OPTIONS (AS APPLICABLE)

- Manual File Data Transfer Mechanism (if applicable)**
When communicating via a flat (csv) file to FacilityConneX, Perform Operations necessary on the data source computer, to place a csv file at a specified location at the necessary frequency

File Format:

Tag Name	Time Stamp	Value	Data Quality
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Example:

Tiger_Import_Tag1.F_CV, 7/20/01 11:09,1,Good

* If the file format is different than the above, please contact a FacilityConneX representative for instructions

- BMS / BAS Connection Information (if applicable)**
 - Devices must be in place and currently configured with relatively static Object addresses prior to deployment.
 - If more than 128 BACnet devices, we will need an additional IP address for the additional driver channel.
 - Document BACnet Information for Configuration
 - System Vendor
 - BACnet Network Number (Entire Network number)
 - Device Information
 - Device Type or Model

Object Name (The Device Name)
BACnet Network Address
IP Address

- Tags per Device (to be mobilized) with as many of the following attributes:
 - Object Name (The Device Tag Name)
 - Object Description
 - BACnet object Identifier for data type and address; (i.e. Analog input:30001)
 - Value of the Address for identification purposes
- Is there a BBMD (BACnet Broadcast Management Device) on the network for device discovery across multiple IP subnets?
 - IP Address of the BBMD _____

BMS/BAS Networking, Connection, and Driver considerations

- If there are multiple Vendors' BMS/BAS systems (multiple BACnet Servers), each BACnet network will need its own communication path (network IP address). The Computer that will have the FacilityConneX software installed (The Onsite Windows Server), must have access to each of these networks via multiple IP Addresses or separate NICs for each connection. If this is not possible, please contact your FacilityConneX representative for ordering additional BACnet drivers.
- For Centralized Collection (If distributed BACnet/IP network is common to all controllers and no VLAN restrictions exist for access to each from a central location of our installation) - Bring all BMS data to a central / single collection point where QuickConneX will be installed. In this case we may need multiple IP addresses from the single VM / server where QuickConneX will support communication to 128 BACnet/IP devices per IP channel path.
- For Segregated Collection (Any reasons exist to collect from individual sources) – Each system / building could have its own individual collection point where QuickConneX will be installed to communicate to all local subnet BACnet/IP controllers. This scenario would be to suite and VLAN restrictions between locations / controllers or for other bandwidth requirements.
- If running with Legacy Automated Logic LGE Controllers, the customer must ensure that all the components / tags are exposed to the LGE.

Documentation (as available)

- As-Built Building Plans and drawings for BAS / HVAC Controls
- List of BMS/BAS systems and Versions / approximate date of installation
- BMS/BAS Sample Trend Data
- Commissioning Documents (if available)
- BMS/BAS Sample Screen Shots
- Sequence of Operations documents
- Test and Balance Reports