

The purpose of this document is to describe the Enterprise Level Server at Northern
University and the separation of roles between the System Integrator and the Building
Automation System (contractor)

- iii) All net or/ controllers shall include a lifetime license for free software upgrades)
- iv) The net or/ controllers shall be provided with no connectivity restrictions on which brand stations or tools can interact with the system) The station and tool could be as follows

STATION COMPATIBILITY IN	ALL
STATION COMPATIBILITY OUT	ALL
TOOL COMPATIBILITY IN	ALL
TOOL COMPATIBILITY OUT	ALL

- d) Delta Controls
 - i) Northern University does not have a standard developed for Delta Controls at the time of publication)
- e) Automated Logic
 - i) Provide most current controller compatible with existing PLC (campus infrastructure)
 - ii) Communications to field control devices shall be through RS-485 (ET - S/TP)
- E) Point to point check/out)
- F) Verify all physical alarms)
- G) Setup alarms in the net or/ controller in accordance with the Northern University O&M (Standards document) (coordinate with Engineer on alarm distribution) +or/ with the S&M to make sure the Enterprise Server is receiving the alarms)
- 10) Setup trends in the SCADA (its associated server in accordance with the Northern University O&M (Standards document) +or/ with the S&M to make sure the Enterprise Server is receiving the trends)
- 11) Accessing controllers via PC (where Telnet or similar software is not allowed)

