

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 (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 OOC (Standards document) (coordinate with 41 on alarm distribution) +or/ with the SMC to make sure the Enterprise Server is receiving the alarms)
- 10) Setup trends in the SCADA associated server in accordance with the Northern University OOC (Standards document) +or/ with the SMC to make sure the Enterprise Server is receiving the trends)
- 11) Accessing controllers via PC (unless here Telnet or similar software is not allowed)

