



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

The University of Newcastle

Infrastructure and Facilities
Services

UON-ESS-105

Electrical Preferred Equipment List.

1st February 2021

Version 1.4

UON-ESS-105



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AUSTRALIA

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|-----------------|------------|---------------------|--------------|--------------|-----------------|
| Rev No. | Date | Description | Prepared by: | Checked by: | Approved by: |
| Draft | 16/05/2016 | Issued for Approval | R.Eyre | D. Alexander | Lynn Herd |
| 1 | 20/09/2016 | Released | R.Eyre | T. Fox | Lynn Herd |
| 1.1 | 22/02/2018 | Reviewed/Revised | R.Eyre | T. Fox | Lynn Herd |
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| 1.3 | 10/01/2020 | Reviewed/Revised | R.Eyre | R.Eyre | R.Eyre |
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1. Scope

The purpose of this document is to advise the contractor or purchaser of equipment for the UON (University of Newcastle) of preferred equipment. Equipment could be preferred equipment for the following reasons:

1. Equipment uses proprietary design for physical installation.
2. Equipment uses proprietary communications protocol for communication.
3. Equipment uses proprietary Software.
4. Extensive training is required and to operate, maintain or install the equipment.
5. Extensive spares would be required for non-preferred equipment.
6. Physical constraints dictate preferred equipment.
7. To ensure acceptable quality
8. To ensure safe Operation, Installation or maintenance.

Any equipment that is not on the Electrical Preferred Equipment List must be approved by the UON prior to purchase and installation.

This is a list of preferred equipment, this list does not rule out the use of equipment not contained on this document. If the supplier wishes to put forward equipment not on the preferred equipment list, they could incur the cost of any modification, programming, training, required spares, software or any other costs that are incurred to integrate the non-preferred equipment.

| Item | Manufacturer |
|--------------------------------|--|
| Miniature Circuit breaker/RCD | Schneider Multi 9/NHP DIN-T |
| Circuit Breakers | Schneider NSX, Merlin Gerin or NHP |
| MSB, MSSB and DB meters | Schneider CT measurement iEM3250. |
| Substation & MSSB Power Meters | Schneider PM5350 & Communications Schneider Link 150 |
| Surge equipment primary | TDSMPM277 |
| Surge equipment Secondary | TDS350 |
| External lighting | |
| -Path and Road Lighting | Streetlux LumaLed (Grey) All lights to be LED with 5 + 5 year on site parts and labour warrantee |

| | |
|------------------------------|---|
| Internal Lighting | All lights to be LED with 5 + 5 year on site parts and labour warrantee |
| | |
| Soft wiring | Clipsal/Schneider |
| HV switchgear | Schneider Premset |
| Lighting control | Crestron (Dali)/Organic Response |
| Decontactors | Marechal |
| Generator Set Alternators | Stamford Newage |
| Generator Set Engine | Himoinsa |
| External Enclosure | B&R Stainless Steel |
| External Enclosure handles | B&R Stainless Steel NI060/S or Good Products 2250-18316 |
| Internal Enclosure handles | Good Products 2240-220 |
| CT Shorting | Weidmuller CTST 2-Phase |
| DB Chassis | Schneider |
| Isolation Chassis | NHP Grizz-Bar Isolation Chassis |
| Emergency lighting | Spitfire |
| Exit lighting | Stanilite |
| Networked Emergency lighting | Nexus Spitfire (RF). |
| Networked Exit lighting | Nexus Stanilite(RF). |
| Push buttons | Schneider Harmony Series |
| Indication lamps | Schneider Harmony Series |

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|---|--|
| Emergency stop buttons | Schneider Harmony Series |
| Emergency test lighting off delay | Schneider |
| Selector switch | Schneider |
| Terminals | Weidmuller |
| Contactors | Schneider/Sprecher Schuh/Telemechanique |
| Movement Sensors | Schneider PIR |
| PE cells | Clipsal/Schneider |
| UPS units (Above 10kVA) Not including IT installations. | Schneider or APS |
| UPS units (Below 10kVA) Not including IT installations. | Eaton |
| Fire Indication Panels | Vigilant |
| Miniboil type hot water units | Zip |
| PFC | Schneider |
| HV Switchgear | Schneider Premset |
| HV PFC | Schneider |
| Motion sensor combined wall plate for meeting rooms | SensorSwitch |
| Motion sensors | Schneider/Clipsal PIR or Dali Compatible |
| Auto Transfer Switches | Socomec |
| Timer switches | Schneider/Clipsal |
| Wall Plates GPO,s and Switches | Clipsal Iconic Pro |

| Floor Boxes | ECD FB4MU |
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