| Category | Networking and Information Technology Features | Proposers note any deviation or inability to provide the features/services.  If all features available, note "All Features Provided" in the corresponding row below. |
|---|---|---|
| **Drivers** | | |
| | Drivers provided for at least the following listed computer operating systems;<br><br>• Windows current production version and two versions back 32 & 64 bit (As of January 2010 includes XP, Vista and Windows 7)<br>• Apple OS 10.3 and newer<br>• Linux; current production versions of Redhat, Suse and Ubuntu linuxes<br>• Compatible drivers available within 30 days of the production release of a new listed OS or OS upgrade, including Windows service packs | |
| | • PCL 5 and newer versions of PCL printer language supported. | |
| | • Postscript support | |
| | • All supported OS's drivers' support utilization of all installed copier options | |
| | Print job/driver configuration screens<br><br>• Account code usable when printing from a computer (all listed OS's)<br>• Users may store multiple accounts codes in their instance of the driver and select from among them when printing<br>• Driver preferences screen layout, including account code location, similar across copier models | |

| Category | Networking and Information Technology Features | Proposers note any deviation or inability to provide the features/services.  If all features available, note "All Features Provided" in the corresponding row below. |
|---|---|---|
| **Print Server Support** | | |
| | • Netware iPrint compatible<br>• Netware NDPS Gateways<br><br>    o  Product-specific gateway<br>    o  Support for use of Novell generic NDPS gateway<br>• Supports "Standard Windows TCP/IP printing port"  (does not require installing an additional tcp driver/transport in Windows)<br>• LPD support<br>• IPP support | |
| **Networking, Security and Physical Connections** | | |
| | • 10Base-T/100Base-T (must support both)<br>• Wifi (including the ability to disable wifi) | |
| | • USB2 | |
| | • DHCP or Static IP assignment<br>• DHCP lease expirations respected<br>• if equipped with an auto-ip assignment feature, it can be disabled (note: in a non-DHCP/Bootp environment, this feature allows the equipment to select what it determines is an unused ip address) | |
| | • Access Control Lists (ACL) restrict network printing access; by individual IP and IP ranges (netmask).  Multiple ACLs may be used in each copier. | |
| | • ACLs restrict network administration access;by individual IP and IP ranges (netmask).  Multiple ACLs may be used in each copier. | |

| Category | Networking and Information Technology Features | Proposers note any deviation or inability to provide the features/services.  If all features available, note "All Features Provided" in the corresponding row below. |
|---|---|---|
| | Remote administration<br><br>• via https (please note if only http is available)<br>• LDAP authentication against UMS LDAP for administrative logins.  Must support ldaps:\\ to locally-signed certificates<br>• diagnostics<br>• multiple levels of administrative login privilege.  At least two; full access and limited-access that allows retrieval of printer status and print tallies<br>• automatic optional email alerts of supplies/maintenance issues<br>• mail server configuration allows hostnames or ip address<br><br>Central Management Software<br><br>• Network copier discovery<br>• Manual configuration of groups of managed copiers | |
| | • If notified of a security vulnerability in copier network interface, the defect will be corrected within 30 days and firmware patch applied by the vendor or campus IT (at the discretion of campus IT). | |
| | • Identify any features that REQUIRE Microsoft Active Directory integration | |
| | • Job release codes (a code entered by computer users when printing, that must also be input to the copier's keypad before the job prints.  This is to ensure the job is only picked up by its owner). | |

| Category | Networking and Information Technology Features | Proposers note any deviation or inability to provide the features/services.  If all features available, note "All Features Provided" in the corresponding row below. |
|---|---|---|
|  | • Locally stored email address book.  Editable via management web interface with administrative login<br>• Several scanning resolutions with at least 300dpi and 600dpi<br>• Unlimited scanning licenses for each copier equipped with scanner<br>• Scan to desktop with unlimited desktop scanning client licenses<br>• Scan to adhoc email addresses (in addition to address book entries)<br>• Output of scanning user-selectable to at least PDF, TIF, and JPG formats |  |
|  | • Email address book pulled dynamically from LDAP (supports ldaps:// to locally-signed certificates)<br>• Both Color and B&W copiers perform color scanning<br>• Scan to desktop with OCR to .docx or other rich text format<br>• Scan to FTP with multiple ftp scan profiles/destinations storable.<br>• Scan to removable media (i.e. USB thumb drive) |  |
| **Fax** |  |  |
|  | • Send and receive fax |  |
|  | • Fax from desktop<br>• Central fax server for consolidation of fax lines |  |
|  | • Optionally print "sent fax receipt", with an image of the first page of the sent fax, after sending. |  |
|  | • T.38 fax over IP support |  |

| Category | Networking and Information Technology Features | Proposers note any deviation or inability to provide the features/services.  If all features available, note "All Features Provided" in the corresponding row below. |
|---|---|---|
| **Payment/Accounting** | | |
| | • C-Bord CIR copy reader compatibility<br>   o The University will supply the reader and cable, however the copier Contractor shall install it.  The copier must support a relay that is capable of switching up to 30 volts DC at 2 amps or 125 Volts AC at 1 amp.  The copier must support a range anywhere from 32V to 5V.  The Pulse (count) input goes through a bi-directional Opto-isolator that will accept AC or DC signals without concern for polarity and can range anywhere from 32V to 5V.<br>• Blackboard CR1120, CR1122 and CR3000 Copy Machine Reader" compatibility (see attached installation manual)<br>• Capability for both coinbox and cardswipe on same copier<br>• Networked copiers allow optional coinbox | |
| | • Account codes configured to allow inter-campus use | |
| **Documentation** | | |
| | • All copier and options documentation available in electronic form<br>• Each installation delivered with full document set for the model, installed options and network interface<br>• An additional full set of documentation for each campus IT dept for each model, and options, for the campuses where that model is deployed<br>• UMS has the right to redistribute documentation (printed & electronic) to UMS employees/students | |

| Category | Networking and Information Technology Features | Proposers note any deviation or inability to provide the features/services. If all features available, note "All Features Provided" in the corresponding row below. |
|---|---|---|
| **Change Management** | | |
| | • In order to prevent disruption of network printing and fax services and taking into account the scope and costs of changing IT infrastructure to accommodate different copier models, options and network controllers, Contractor will;<br>  o Communicate with campus IT department contacts at least 2 business days before replacing/modifying/upgrading, deployed copiers or changing network, network printing-related or fax configurations, except when responding to campus-generated emergency service requests, in which case communication with campus IT may occur when the Contractor's technician is dispatched. Contractor will endeavor to minimize changes that require reconfiguration of campus IT infrastructure by making replacements using identical models, versions, options, whenever possible.<br>  o For non-emergency requests (as defined by the campus Contract Administrator) of a copier with a different model or network controller firmware, from that which is currently deployed, campus IT departments will have, at their discretion, and at no additional cost, the right to receive and test for 10 business days a unit of the same model and configuration for compatibility testing. When a campus exercises the 10 day compatibility testing option, Contractor will delay replacing the copier until campus IT approval is received. | |

| Category | Networking and Information Technology Features | Proposers note any deviation or inability to provide the features/services.  If all features available, note "All Features Provided" in the corresponding row below. |
|---|---|---|
| **Data Security** | | |
| | Identify the method that will be used by the Contractor to securely wipe UMS-specific data, e.g., copier hard drives, network configuration data, address books, etc.,) from equipment removed from UMS facilities by the Contractor.  (also applies to equipment moved by the Contractor from one UMS campus to another). | |
| | Previously deployed equipment will be delivered by the Contractor to UMS facilities wiped clean of other organizations' data, e.g., images/documents on hard drives, network configuration, address book data, etc.  These configuration areas will be delivered in the factory default configuration. | |