# Appendix A – Security Questionnaire

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| MCCS Vendor Security Questionnaire | | |
| Cloud Services Solution - Vendor Information | MCCS reviews the IT security of all Cloud-based services that store, process, or transmit data that MCCS considers to be Sensitive or Restricted. Please provide the documentation requested below and complete the questionnaire.  N/A | |
| **Requested Documentation** | **Document Titles** | **Comments** |
| **In addition to completing the questionnaire below, the following documentation should be provided to MCCS (as applicable or available and under a nondisclosure agreement - NDA - as needed in support of this security review.)** | Cloud Security Alliance Consensus Assessments Initiative Questionnaire (if Cloud service provider)  A vulnerability, penetration, or ethical hack report prepared by a third party (not by the vendor)  Any documentation that describes your technical and security infrastructure  Data flow diagram (for college data processed by the application/service) | MCCS cannot validate and approve services or applications without supporting documentation. Please attach the requested documentation when returning the Security Questionnaire. |
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| Information Security | Information Security Questions | Comments and Notes |
| Management Program | Please describe your Security Management Program or attach a copy.  Does your organization follow a particular security standard such as ISO-27001, ISO-22307, CoBIT, HITRUST, etc. or do you have your own? |  |
| Policy Reviews | Can you notify us when changes are made to your security policies or procedures? |  |
| User Access Policy | Please describe your employee termination procedures. |  |
| Encryption Key Management | Will our data be encrypted at rest? What algorithm? |  |
| Will our data be encrypted in transit, including between servers? What algorithm? |  |
| Do you have an encryption key management system? If so, please tell us about it? |  |
| Vulnerability / Patch Management | Do you conduct vulnerability scans of the servers? |  |
| Do you conduct application vulnerability scans? |  |
| Please explain your patching policy, timeframes, and procedures. |  |
| Antivirus / Malicious Software | Do you have anti-malware or virus protection programs installed? Which programs? |  |
| How often are your malware/virus protection programs updated? How regularly are complete scans scheduled? |  |
| Incident Management | How will you alert your clients if their data may have been breached? Do you have a documented security incident response plan? |  |
| Can you incorporate client-specific needs into your incident response plan? |  |
| Can you outline for us what responsibilities are ours, and what are yours for an incident? |  |
| Incident Reporting | What method do you use for log management? |  |
| Does your logging and monitoring method allow for isolation of an incident to specific tenants? |  |

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| Incident Response Legal Preparation | How do you incorporate a “chain of custody” into your incident response plan? |  |
| Please share your procedures for forensic data collection and analysis? |  |
| Are you capable of supporting litigation holds (freeze of data from a specific point in time) for us? |  |
| Asset Returns | Please share a copy of your Privacy Policy. |  |
| Audit Tools Access | How do you restrict, log, and monitor access to your systems? (Ex. Hypervisors, firewalls, vulnerability scanners, network sniffers, APIs, etc.) |  |
| Source Code Access Restriction | Please describe your Source Code Analysis process. |  |
| Security Architecture | Security Architecture Questions | Comments and Notes |
| User ID Credentials | Please describe your identity management system and any options that are available to your clients. |  |
| Does your system support both role-based and context-based access to the data? |  |
| Do you support two-factor authentication? If so, what options are available? |  |
| Data Security / Integrity | Is your Data Security Architecture designed using an industry-standard? (ex. CDSA, MULITSAFE, CSA Trusted Cloud Architectural Standard, FedRAMP CAESARS) |  |
| Application Security | Do you utilize NIST 800-64 (Security Considerations in the System Development Life Cycle) as the guideline for application development? Or, do you use another standard application security development framework? |  |
| Do you utilize an automated source-code analysis tool to detect code security defects? |  |
| Data Integrity | Are data input and output integrity routines (i.e., reconciliation and edit checks) implemented for application interfaces and databases to prevent manual or systematic processing errors or corruption of data? |  |
| Production / Nonproduction Environments | Do you provide clients with separate environments for production and test processes? |  |

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| Remote User Multifactor Authentication | Is multi-factor authentication available for remote user access? |  |
| Segmentation | Are systems and network environments logically separated? |  |
| Are systems and network environments segmented to allow isolation of restricted data? |  |
| Wireless Security | What procedures are in place that require secure encryption for authentication and transmission during wireless transmission? |  |
| Have vendor default passwords been changed? |  |
| Shared Networks | How is access to systems with shared infrastructure restricted to only appropriate personnel? |  |
| Equipment Identification | How does the information system identify and authenticate devices before establishing a network connection? |  |
| Audit Logging / Intrusion Detection | Are file integrity (host) and network intrusion detection (IDS) tools implemented? |  |
| Are audit logs protected from modification? |  |
| Mobile Code | How is mobile code monitored and controlled in your system? |  |
| Is all unauthorized mobile code prevented from executing? |  |