

Control Domain	Control ID	Question ID	Control Specification	Consensus Assessment Questions	Consensus Assessment Answers			Notes
					Yes	No	Not Applicable	
Application & Interface Security <i>Application Security</i>	AIS-01	AIS-01.1	Applications and programming interfaces (APIs) shall be designed, developed, deployed, and tested in accordance with leading industry standards (e.g., OWASP for web applications) and adhere to applicable legal, statutory, or regulatory compliance obligations.	Do you use industry standards (i.e. OWASP Software Assurance Maturity Model, ISO 27034) to build in security for your Systems/Software Development Lifecycle (SDLC)?		X		
		AIS-01.2		Do you use an automated source code analysis tool to detect security defects in code prior to production?		X		
		AIS-01.3		Do you use manual source-code analysis to detect security defects in code prior to production?	X			
		AIS-01.4		Do you verify that all of your software suppliers adhere to industry standards for Systems/Software Development Lifecycle (SDLC) security?		X		
		AIS-01.5		(SaaS only) Do you review your applications for security vulnerabilities and address any issues prior to deployment to production?	X			
Application & Interface Security <i>Customer Access</i>	AIS-02	AIS-02.1	Prior to granting customers access to data, assets, and information systems, identified security, contractual, and regulatory requirements for customer access shall be addressed.	Are all identified security, contractual, and regulatory requirements for customer access contractually addressed and remediated prior to granting customers access to data, assets, and information systems?	X			
		AIS-02.2		Are all requirements and trust levels for customers' access defined and documented?	X			
Application & Interface Security <i>Data Integrity</i>	AIS-03	AIS-03.1	Data input and output integrity routines (i.e., reconciliation and edit checks) shall be implemented for application interfaces and databases to prevent manual or systematic processing errors, corruption of data, or misuse.	Does your data management policies and procedures require audits to verify data input and output integrity routines?		X		
		AIS-03.2		Are data input and output integrity routines (i.e. MD5/SHA checksums) implemented for application interfaces and databases to prevent manual or systematic processing errors or corruption of data?	X			
Application & Interface Security <i>Data Security / Integrity</i>	AIS-04	AIS-04.1	Policies and procedures shall be established and maintained in support of data security to include (confidentiality, integrity, and availability) across multiple system interfaces, jurisdictions, and business functions to prevent improper disclosure, alteration, or destruction.	Is your Data Security Architecture designed using an industry standard (e.g., CDSA, MULTISAFE, CSA Trusted Cloud Architectural Standard, FedRAMP, CAESARS)?		X		
Audit Assurance & Compliance <i>Audit Planning</i>	AAC-01	AAC-01.1	Audit plans shall be developed and maintained to address business process disruptions. Auditing plans shall focus on reviewing the effectiveness of the implementation of security operations. All audit activities must be agreed upon prior to executing any audits.	Do you develop and maintain an agreed upon audit plan (e.g., scope, objective, frequency, resources, etc.) for reviewing the efficiency and effectiveness of implemented security controls?		X		
		AAC-01.2		Does your audit program take into account effectiveness of implementation of security operations?		X		
Audit Assurance & Compliance <i>Independent Audits</i>	AAC-02	AAC-02.1	Independent reviews and assessments shall be performed at least annually to ensure that the organization addresses nonconformities of established policies, standards, procedures, and compliance obligations.	Do you allow tenants to view your SOC2/ISO 27001 or similar third-party audit or certification reports?				
		AAC-02.2		Do you conduct network penetration tests of your cloud service infrastructure at least annually?				
		AAC-02.3		Do you conduct application penetration tests of your cloud infrastructure regularly as prescribed by industry best practices and guidance?		X		
		AAC-02.4		Do you conduct internal audits at least annually?	X			
		AAC-02.5		Do you conduct independent audits at least annually?	X			
		AAC-02.6		Are the results of the penetration tests available to tenants at their request?			X	
		AAC-02.7		Are the results of internal and external audits available to tenants at their request?	X			
Audit Assurance & Compliance <i>Information System Regulatory Mapping</i>	AAC-03	AAC-03.1	Organizations shall create and maintain a control framework which captures standards, regulatory, legal, and statutory requirements relevant for their business needs. The control framework shall be reviewed at least annually to ensure changes that could affect the business processes are reflected.	Do you have a program in place that includes the ability to monitor changes to the regulatory requirements in relevant jurisdictions, adjust your security program for changes to legal requirements, and ensure compliance with relevant regulatory requirements?		X		
Business Continuity Management & Operational Resilience <i>Business Continuity Planning</i>	BCR-01	BCR-01.1	A consistent unified framework for business continuity planning and plan development shall be established, documented, and adopted to ensure all business continuity plans are consistent in addressing priorities for testing, maintenance, and information security requirements. Requirements for business continuity plans include the following: • Defined purpose and scope, aligned with relevant dependencies • Accessible to and understood by those who will use them • Owned by a named person(s) who is responsible for their review, update, and approval • Defined lines of communication, roles, and responsibilities • Detailed recovery procedures, manual work-around, and reference information • Method for plan invocation	Does your organization have a plan or framework for business continuity management or disaster recovery management?			X	
		BCR-01.2		Do you have more than one provider for each service you depend on?	X			
		BCR-01.3		Do you provide a disaster recovery capability?	X			
		BCR-01.4		Do you monitor service continuity with upstream providers in the event of provider failure?		X		
		BCR-01.5		Do you provide access to operational redundancy reports, including the services you rely on?		X		
		BCR-01.6		Do you provide a tenant-triggered failover option?	X			
		BCR-01.7		Do you share your business continuity and redundancy plans with your tenants?				X
Business Continuity Management & Operational Resilience <i>Business Continuity Testing</i>	BCR-02	BCR-02.1	Business continuity and security incident response plans shall be subject to testing at planned intervals or upon significant organizational or environmental changes. Incident response plans shall involve impacted customers (tenant) and other business relationships that represent critical intra-supply chain business process dependencies.	Are business continuity plans subject to testing at planned intervals or upon significant organizational or environmental changes to ensure continuing effectiveness?			X	
Business Continuity Management & Operational Resilience <i>Power / Telecommunications</i>	BCR-03	BCR-03.1	Data center utilities services and environmental conditions (e.g., water, power, temperature and humidity controls, telecommunications, and internet connectivity) shall be secured, monitored, maintained, and tested for continual effectiveness at planned intervals to ensure protection from unauthorized interception or damage, and designed with automated fail-over or other redundancies in the event of planned or unplanned disruptions.	Does your organization adhere to any international or industry standards when it comes to securing, monitoring, maintaining and testing of datacenter utilities services and environmental conditions?			X	
		BCR-03.2		Has your organization implemented environmental controls, fail-over mechanisms or other redundancies to secure utility services and mitigate environmental conditions?			X	
Business Continuity Management & Operational Resilience <i>Documentation</i>	BCR-04	BCR-04.1	Information system documentation (e.g., administrator and user guides, and architecture diagrams) shall be made available to authorized personnel to ensure the following: • Configuring, installing, and operating the information system • Effectively using the system's security features	Are information system documents (e.g., administrator and user guides, architecture diagrams, etc.) made available to authorized personnel to ensure configuration, installation and operation of the information system?	X			Le informazioni sono fornite dal service provider
Business Continuity Management & Operational Resilience <i>Environmental Risks</i>	BCR-05	BCR-05.1	Physical protection against damage from natural causes and disasters, as well as deliberate attacks, including fire, flood, atmospheric electrical discharge, solar induced geomagnetic storm, wind, earthquake, tsunami, explosion, nuclear accident, volcanic activity, biological hazard, civil unrest, mudslide, tectonic activity, and other forms of natural or man-made disaster shall be anticipated, designed, and have countermeasures applied.	Is physical damage anticipated and are countermeasures included in the design of physical protections?			X	
Business Continuity Management & Operational Resilience <i>Equipment Location</i>	BCR-06	BCR-06.1	To reduce the risks from environmental threats, hazards, and opportunities for unauthorized access, equipment shall be kept away from locations subject to high probability environmental risks and supplemented by redundant equipment located at a reasonable distance.	Are any of your data centers located in places that have a high probability/occurrence of high-impact environmental risks (floods, tornadoes, earthquakes, hurricanes, etc.)?		X		
Business Continuity Management & Operational Resilience <i>Equipment Power Failures</i>	BCR-07	BCR-07.1	Policies and procedures shall be established, and supporting business processes and technical measures implemented, for equipment maintenance ensuring continuity and availability of operations and support personnel.	Do you have documented policies, procedures and supporting business processes for equipment and datacenter maintenance?			X	informazioni a carico del service provider
		BCR-07.2		Do you have an equipment and datacenter maintenance routine or plan?			X	informazioni a carico del service provider
Business Continuity Management & Operational Resilience <i>Equipment Power Failures</i>	BCR-08	BCR-08.1	Protection measures shall be put into place to react to natural and man-made threats based upon a geographically-specific business impact assessment.	Are security mechanisms and redundancies implemented to protect equipment from utility service outages (e.g., power failures, network disruptions, etc.)?		X		informazioni a carico del service provider
Business Continuity Management & Operational Resilience <i>Impact Analysis</i>	BCR-09	BCR-09.1	There shall be a defined and documented method for determining the impact of any disruption to the organization (cloud provider, cloud consumer) that must incorporate the following: • Identify critical products and services • Identify all dependencies, including processes, applications, business partners, and third party service providers • Understand threats to critical products and services • Determine impacts resulting from planned or unplanned disruptions and how these vary over time • Establish the maximum tolerable period for disruption • Establish priorities for recovery • Establish recovery time objectives for resumption of critical products and services within their maximum tolerable period of disruption • Estimate the resources required for resumption	Do you use industry standards and frameworks to determine the impact of any disruption to your organization (i.e. criticality of services and recovery priorities, disruption tolerance, RPO and RTO etc) ?			X	
		BCR-09.2		Does your organization conduct impact analysis pertaining to possible disruptions to the cloud service?			X	
Business Continuity Management & Operational Resilience <i>Policy</i>	BCR-10	BCR-10.1	Policies and procedures shall be established, and supporting business processes and technical measures implemented, for appropriate IT governance and service management to ensure appropriate planning, delivery and support of the organization's IT capabilities supporting business functions, workforce, and/or customers based on industry acceptable standards (i.e., ITIL v4 and COBIT 5). Additionally, policies and procedures shall include defined roles and responsibilities supported by regular workforce training.	Are policies and procedures established and made available for all personnel to adequately support services operations' roles?	X			
Business Continuity Management & Operational Resilience <i>Retention Policy</i>	BCR-11	BCR-11.1	Policies and procedures shall be established, and supporting business processes and technical measures implemented, for defining and adhering to the retention period of any critical asset as per established policies and procedures, as well as applicable legal, statutory, or regulatory compliance obligations. Backup and recovery measures shall be incorporated as part of business continuity planning and tested accordingly for effectiveness.	Do you have technical capabilities to enforce tenant data retention policies?			X	
		BCR-11.2		Do you have documented policies and procedures demonstrating adherence to data retention periods as per legal, statutory or regulatory compliance requirements?	X			
		BCR-11.3		Have you implemented backup or recovery mechanisms to ensure compliance with regulatory, statutory, contractual or business requirements?	X			
		BCR-11.4		If using virtual infrastructure, does your cloud solution include independent hardware restore and recovery capabilities?	X			
		BCR-11.5		If using virtual infrastructure, do you provide tenants with a capability to restore a virtual machine to a previous configuration?	X			
		BCR-11.6		Does your cloud solution include software/provider independent restore and recovery capabilities?	X			
		BCR-11.7		Do you test your backup or redundancy mechanisms at least annually?	X			
Change Control & Configuration Management <i>New Development / Acquisition</i>	CCC-01	CCC-01.1	Policies and procedures shall be established, and supporting business processes and technical measures implemented, to ensure the development and/or acquisition of new data, physical or virtual applications, infrastructure network and systems components, or any corporate, operations and/or data center facilities have been pre-authorized by the organization's business leadership or other accountable business role or function.	Are policies and procedures established for management authorization for development or acquisition of new applications, systems, databases, infrastructure, services, operations and facilities?			X	
		CCC-02.1	External business partners shall adhere to the same policies and procedures for change management, release, and testing as internal developers within the organization (e.g., ITIL service management)	Are policies and procedures for change management, release, and testing adequately communicated to external business partners?	X			
Change Control & Configuration Management <i>Quality Testing</i>	CCC-03	CCC-03.1	Organizations shall follow a defined quality change control and testing process (e.g., ITIL Service Management) with established baselines, testing, and release standards which focus on system availability, confidentiality, and integrity of systems and services.	Do you have a defined quality change control and testing process in place based on system availability, confidentiality, and integrity?	X			
		CCC-03.2		Is documentation describing known issues with certain products/services available?	X			
		CCC-03.3		Are there policies and procedures in place to triage and remedy reported bugs and security vulnerabilities for product and service offerings?	X			
		CCC-03.4		Do you have controls in place to ensure that standards of quality are being met for all software development?			X	
		CCC-03.5		Do you have controls in place to detect source code security defects for any outsourced software development activities?	X			
		CCC-03.6		Are mechanisms in place to ensure that all debugging and test code elements are removed from released software versions?	X			Gestito dal software di sviluppo

		STA-05.12 STA-06.1	and technical measures implemented to ensure effective governance. Providers shall review the risk management and governance processes of their partners so that practices are consistent and aligned to account for risks inherited from other members of that partner's cloud supply chain.	Do you provide the client with a list and copies of all subprocess agreements and keep this updated?		X		
Supply Chain Management, Transparency, and Accountability <i>Supply Chain Governance Reviews</i>	STA-06	STA-07.1 STA-07.2 STA-07.3 STA-07.4 STA-07.5 STA-07.6 STA-07.7 STA-07.8	Policies and procedures shall be implemented to ensure the consistent review of service agreements (e.g., SLAs) between providers and customers (tenants) across the relevant supply chain (upstream/downstream). Reviews shall be performed at least annually and identify non-conformance to established agreements. The reviews should result in actions to address service-level conflicts or inconsistencies resulting from disparate supplier relationships.	Do you review the risk management and governance processes of partners to account for risks inherited from other members of that partner's supply chain?	X			
Supply Chain Management, Transparency, and Accountability <i>Supply Chain Metrics</i>	STA-07	STA-08.1 STA-08.2	Providers shall assure reasonable information security across their information supply chain by performing an annual review. The review	Are policies and procedures established, and supporting business processes and technical measures implemented, for maintaining complete, accurate, and relevant agreements (e.g., SLAs) between providers and customers (tenants)? Do you have the ability to measure and address non-conformance of provisions and/or terms across the entire supply chain (upstream/downstream)? Can you manage service-level conflicts or inconsistencies resulting from disparate supplier relationships? Do you provide tenants with ongoing visibility and reporting of your operational Service Level Agreement (SLA) performance? Do you make standards-based information security metrics (CSA, CAMM, etc.) available to your tenants? Do you provide customers with ongoing visibility and reporting of your SLA performance? Do your data management policies and procedures address tenant and service level conflicts of interests? Do you review all service level agreements at least annually?	X X X X X X X			
Supply Chain Management,	STA-08	STA-09.1 STA-09.2	Third-party service providers shall demonstrate compliance with information security and confidentiality, access control, service definitions, and delivery level agreements included in third-party contracts. Third-party reports, records, and services shall undergo audits	Do you assure reasonable information security across your information supply chain by performing an annual review? Does your annual review include all partners/third-party providers upon which your information supply chain depends?	X X			
Supply Chain Management, Transparency, and Accountability	STA-09	TVM-01.1 TVM-01.2	Policies and procedures shall be established, and supporting business processes and technical measures implemented, to prevent the execution of malware on organizationally-owned or managed user end-point devices (i.e., issued workstations, laptops, and mobile devices) and IT infrastructure network and systems components.	Do you mandate annual information security reviews and audits of your third party providers to ensure that all agreed upon security requirements are met? Do you have external third party services conduct vulnerability scans and periodic penetration tests on your applications and networks?	X X			
Threat and Vulnerability Management <i>Antivirus / Malicious Software</i>	TVM-01	TVM-02.1 TVM-02.2 TVM-02.3 TVM-02.4 TVM-02.5 TVM-02.6	Policies and procedures shall be established, and supporting processes and technical measures implemented, for timely detection of vulnerabilities within organizationally-owned or managed applications, infrastructure network and system components (e.g., network vulnerability assessment, penetration testing) to ensure the efficiency of implemented security controls. A risk-based model for prioritizing remediation of identified vulnerabilities shall be used. Changes shall be managed through a change management process for all vendor-supplied patches, configuration changes, or changes to the organization's internally developed software. Upon request, the provider informs customer (tenant) of policies and procedures and identified weaknesses especially if customer (tenant) data is used as part of the service and/or customer (tenant) has some shared responsibility over implementation	Do you have anti-malware programs that support or connect to your cloud service offerings installed on all of your IT infrastructure network and systems components? Do you ensure that security threat detection systems using signatures, lists, or behavioral patterns are updated across all infrastructure components as prescribed by industry best practices?	X X			
Threat and Vulnerability Management <i>Vulnerability / Patch Management</i>	TVM-02	TVM-03.1 TVM-03.2	Policies and procedures shall be established, and supporting business processes and technical measures implemented, to prevent the execution of unauthorized mobile code, defined as software transferred between systems over a trusted or untrusted network and executed on a local system without explicit installation or execution by the recipient, on organizationally-owned or managed user end-point devices (e.g., issued workstations, laptops, and mobile devices) and IT infrastructure network and systems components.	Do you conduct network-layer vulnerability scans regularly as prescribed by industry best practices? Do you conduct application-layer vulnerability scans regularly as prescribed by industry best practices? Do you conduct local operating system-layer vulnerability scans regularly as prescribed by industry best practices? Will you make the results of vulnerability scans available to tenants at their request? Do you have a capability to patch vulnerabilities across all of your computing devices, applications, and systems? Do you inform customers (tenant) of policies and procedures and identified weaknesses if customer (tenant) data is used as part of the service and/or customer (tenant) has some shared responsibility over implementation of control?	X X X X X		X	
Threat and Vulnerability Management <i>Mobile Code</i>	TVM-03			Is mobile code authorized before its installation and use, and the code configuration checked, to ensure that the authorized mobile code operates according to a clearly defined security policy? Is all unauthorized mobile code prevented from executing?			X X	

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