

Google Workspace Mapping

This document is designed to help financial institutions supervised by the Bank of Thailand ("regulated entity") to consider the FPG 19/2599 ("framework") in the context of Google Workspace and the Google Cloud Financial Services Contract

We focus on Section 5.5 of the framework. For each paragraph, we provide commentary to help you understand how you can address the requirements using the Google Cloud services and the Google Cloud Financial Services Contract.

#	Fram	ework reference	Google Cloud commentary	Google Cloud Financial Services Contract reference
1.	5.5	Supervisory requirements on IT outsourcing		
2.	relate	ncial institutions must comply with laws, regulations or international standards ed to the outsourced IT activities as well as the supervisory requirements on IT ourcing as follows:	Google recognizes that regulated entities require assistance from Google to enable them to ensure compliance with applicable laws and regulations. We are committed to working with regulated entities in good faith to provide this assistance.	Enabling Customer Compliance
3.	5.5.1	General control requirements		
4.		Financial institutions engaging in IT outsourcing for both types as prescribed in Clause 5.3 must put importance on the formulation of outsourcing policy, outsourcing risk management, service provider management, security of IT system and information, integrity of IT system and information, availability of IT system, and consumer protection, appropriately to the size and volume of transactions, complexity of the outsourced IT activities and associated risks as follows:	Refer to Rows 5 to 51.	N/A
5.	(1)	Policy on IT outsourcing		
6.		When engaging in IT outsourcing including the use of cloud computing, financial institutions must set out strategies and policy on IT outsourcing as follows:		
7.	(1.1)	in IT outsourcing, such as on grounds of business necessity as well as cost and benefit. Financial institutions must ensure that their IT outsourcing does not violate laws and regulations as prescribed by Thai supervisory authorities and those as prescribed by supervisory authorities of the country where the service providers are located, and does not give rise to any loopholes for serious frauds or cyber attacks, both internally and externally, which could severely affect business operations of the financial institutions. Moreover, such IT outsourcing should not severely affect the stability of Thai financial system.	guidance to help with the start of your digital transformation. Compliance with laws	



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			to the financial services sector, and the role that a well-executed migration to Google Cloud can play in strengthening it.	
8.	(1.2)	Financial institutions must set out a clear and written policy on IT outsourcing, which must be in line with the outsourcing policy and corresponding to business strategies and competitiveness of the financial institutions. The policy must be approved by the board of directors and cover the classification of IT outsourcing, management of outsourcing risks, management of service providers, security of IT system and information, integrity of IT system and information, availability of the outsourced IT activities, customer protection, additional guidelines for critical IT outsourcing, reporting and examination etc.	This is a customer consideration.	N/A
9.	(1.3)	Financial institutions must review the IT outsourcing policy at least once a year to ensure that it is still corresponding to business strategies of the financial institutions that may have changed.	This is a customer consideration.	N/A
10.	(2)	Risk management		
11.		When engaging in IT outsourcing including the use of cloud computing, financial institutions must set out a framework for management of IT outsourcing risks as follows:		
12.	(2.1)	Financial institutions must set out a clear and written policy on management of IT outsourcing risks. The policy must be in line with the overall risk management framework of the financial institutions and commensurate with the size and volume of transaction, and complexity of the outsourced IT activities, as well as associated risks. The policy on management of IT outsourcing risks must be approved by the board of directors or committee with delegated authority. Furthermore, financial institutions must set out clear and written guidelines, practices, and assign responsible staff for management of IT outsourcing risks. The implementation of those guidelines and practices must be assessed regularly and the results must be reported to the board or senior management with delegated authority in a timely manner.	understand what a cloud transformation means for risk, compliance, and audit functions, and how to best position those programs for success in the cloud world.	N/A
13.	(2.2)		Google provides <u>documentation</u> to explain how regulated entities and their employees can use our Google Workspace services. If a regulated entity would like more guided training, Google also provides a variety of <u>courses and certifications</u> .	N/A
14.		On this, the assessment of risks of IT outsourcing, including the use of cloud computing, should cover risks associated with the control and protection of personal data (data privacy) and degree of reliance on service providers that	Data privacy	



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		may limit any further change or cancelation (vendor lock-in), and impact on critical systems of the financial institutions. Furthermore, for financial institutions that outsource IT activities to overseas service providers, especially activities related to data storage/processing or any arrangements with respect to data, they must also assess risks of outsourcing those activities to the overseas service providers, such as risk of being unable to access the data due to a disruption or blocking of cross-border communication network or system (information access risk) and legal risk associated with compliance with overseas regulations (cross-border compliance).	Refer to Row 32 to 38 for information about the steps Google takes to protect the security of regulated entities' and their customers' information. Vendor lock-in Google recognizes the importance of continuity for regulated entities and for this reason we are committed to data portability and open-source. Refer to our Engaging in a European dialogue on customer controls and open cloud solutions blog post and our Open Cloud page for more information on how Google's approach to open source can help you address vendor lock-in and concentration risk. Google will enable you to access and export your data throughout the duration of our contract and the transition term. More information is available on our Google Account help page. • In addition, Data Export is a feature that makes it easy to export and download a copy of your data securely from our Services. Data access Regulated entities may access their data on the services at any time and may provide	
15.	(2.3)	Financial institutions must set out a framework for monitoring the effectiveness of service providers on a regular basis, a framework for monitoring any alteration made by service providers, as well as a framework for monitoring day-to-day incidents occurred with service providers. On this, financial institutions must take part in the resolution of an incident, if they consider that it may significantly affect their business operations. In addition, financial institutions must review and assess the effectiveness of service providers on a	their supervisory authority with access. These rights apply regardless of where the data are stored. Refer to Row 57 for information on the location of the services. Performance monitoring The SLAs provide measurable performance standards for the services and are available on our Google Workspace Service Level Agreement page. You can monitor Google's performance of the Services (including the SLAs) on an ongoing basis using the functionality of the Services.	
		regular basis, and the results of the assessment must be reported to the committee or senior management with delegated authority in a timely manner.	 The <u>Status Dashboard</u> provides status information on the Services. <u>Admin Console Reports</u> allow you to examine potential security risks, measure user collaboration, track who signs in and when, analyze administrator activity, and much more. 	



#	Framework reference	Google Cloud commentary	Google Cloud Financial Services Contract reference
		 Access Transparency is a feature that enables you to review logs of actions taken by Google personnel regarding your user content. Log entries include: the affected resource, the time of action, the reason for the action (e.g. the case number associated with the support request); and data about who is acting on data (e.g. the Google personnel's location). 	
		Alterations	
		You operate the services independently without action by Google personnel. You decide which services to use, how to use them and for what purpose. You also control changes to your use of the services.	Changes to Services
		Google continuously updates the services to enable our customers to take advantage of the most up-to-date technology. Given the one-to-many nature of our service, updates apply to all customers at the same time.	
		We recognize that our approach to change management is important to your own change management processes. Google will not make updates that materially reduce the functionality, performance, availability or security of the Services.	
		If Google needs to discontinue a service without replacing it, you will receive at least 12 months' advance notice. Google will continue to provide support and product and security updates during this period.	
		Incident reporting Google recognizes that to effectively manage your use of the Services you need sufficient information about the Services on a regular basis. We provide a number of mechanisms to assist you to effectively oversee the Services on an ongoing basis.	
		Google will make information about developments that materially impact Google's ability to perform the Services in accordance with the SLAs available to you. More information is available on our Status Dashboard page.	Significant Developments
		In addition, Google will notify you of data incidents promptly and without undue delay. More information on Google's data incident response process is available in our Data incident response whitepaper.	



#	Frame	work reference	1 9	Google Cloud Financial Services Contract reference
				Data Incidents (Cloud Data Processing Addendum)
16.	(2.4)	Financial institutions must set out the business continuity plan, which covers IT outsourcing. The plan should be commensurate with the size and volume of transactions, complexity of the outsourced IT activities, as well as associated risks, and the assessment of impact of outsourcing on business operations. In addition, there must be the IT disaster recovery plan to accommodate problems or incidents from IT outsourcing and to mitigate severity of the impact. Financial institutions must ensure that they have information available within the country to maintain the continuity of business operations and services provided to customers. The BCP and IT disaster recovery plan must be regularly reviewed and tested to ensure their effectiveness.	Google will implement a business continuity plan for the Services, review and test it at least annually and ensure it remains current with industry standards. Regulated entities can review our plan and testing results. In addition, information about how customers can use our Services in their own business contingency planning is available in our <u>Disaster Recovery Planning Guide</u> .	
17.		There must also be a process for resolving problems or incidents from IT outsourcing, and those problems or incident as well as the resolutions of those problems or incidents must be reported to the committee or senior management with delegated authority in a timely manner.	Refer to Row 15 for the monitoring tools and reporting that Google provides.	N/A
18.	(3)	Service provider management		
19.		When engaging in IT outsourcing including the use of cloud computing, financial institutions must have a framework for service provider management as follows:		
20.	(3.1)	Financial institutions must set out a clear process and guidelines for selection of service providers, and must evaluate the readiness and appropriateness of the service providers to ensure that they can maintain the continuity of services and serve the needs of the financial institutions. The factors that should be considered for the evaluation are, such as IT knowledge, experience, internal management system, potential and capability to provide services both under usual and unusual circumstances, especially in case where the service providers have a number of clients (concentration risk).	Google recognizes that you need to conduct due diligence and perform a risk assessment before deciding to use our services. To assist you, we've provided the information below. Knowledge and experience Google Cloud has been providing cloud services for over 10 years, assisting customers across the globe in the financial services, healthcare & life science, retail and public sectors to name a few. More information on Google Cloud's capabilities is available on our Choosing Google Cloud page. Google Cloud has been named as a leader in several reports by third party industry analysts. You can read these on our Analyst Reports page. Information about our referenceable customers is available on our Google Cloud Customer page. In addition, our Financial Services Cloud Blog and Financial Services solutions page explains how financial services institutions can and are using Google Cloud to help drive business transformation to support data-driven innovation, customer expectations, and security & compliance.	N/A



#	Framework reference	Google Cloud commentary	Google Cloud Financial Services Contract reference
		Internal controls	
		Refer to Row 21 on Google's internal controls.	
		Continuity	
		Google operates multi-zone data centers all over the world, providing resilience in the event of localised or even region-wide environmental or infrastructure events.	
		Refer to our "Architecting disaster recovery for cloud infrastructure outages" article for information about how Google Cloud is architected to minimize the frequency and scope of outages as well as an architecture planning guide that provides a framework for categorizing and designing applications based on the desired reliability outcomes.	
21.	On this, when selecting cloud computing service providers, financial institutions should consider readiness and service standards of the service providers as they should be certified according to relevant international standards, such as international standards on system and information security	Google recognizes that you expect independent verification of our security, privacy and compliance controls. Google undergoes several independent third-party audits on a regular basis to provide this assurance. Google commits to comply with the following key international standards during the term of our contract with you: ISO/IEC 27001:2013 (Information Security Management Systems) ISO/IEC 27017:2015 (Cloud Security) ISO/IEC 27018:2014 (Cloud Privacy) SOC 1 SOC 2 SOC 3 You can review Google's current certifications and audit reports at any time. Compliance reports manager provides you with easy, on-demand access to these	Certifications and Audit Reports
22.		The roles, duties and responsibilities of the parties are set out in the Google Cloud Financial Services Contract.	N/A



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23.	Scope of the outsourced IT activity and conditions of the service service provider	orovided by the The Google Workspace services are described on our <u>services summary</u> page. You decide which services to use, how to use them and for what purpose. Therefore, you decide the scope of the arrangement.
24.	Minimum operating standards as required from the service provisatandard on information security and confidentiality, prohibition information apart from that as specified in the contract/agreement IT system and information, and availability of the outsourced act	er (such as a use of a use of a triple of the commitments to protect your data, including regarding security. Security and confidentiality This is addressed in the Cloud Data Processing Addendum where Google makes Data Security; Google's Security Measures (Cloud Data Processing Addendum)
		and will not use it for any other Google products, services, or advertising. Availability and integrity The SLAs provide measurable performance standards for the services and are available on our Google Workspace Service Level Agreement page. Services
25.	- Internal control system of the service provider	Google commits to comply with the following key international standards during the term of our contract with you: ISO/IEC 27001:2013 (Information Security Management Systems) ISO/IEC 27017:2015 (Cloud Security) ISO/IEC 27018:2014 (Cloud Privacy) SOC 1 SOC 2 SOC 3
26.	- Contingency plan of the service provider, which should be consist contingency plan of the financial institution	Google will implement a business continuity plan for the Services, review and test it at least annually and ensure it remains current with industry standards. Regulated entities can review our plan and testing results. In addition, information about how customers can use our Services in their own business contingency planning is available in our <u>Disaster Recovery Planning Guide</u> .
27.	Reporting of operations performed by the service provider, which problems or incidents from providing the service	Google will make information about developments that materially impact Google's ability to perform the Services in accordance with the SLAs available to you. More information is available on our Status Dashboard page.



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			In addition, Google will notify you of data incidents promptly and without undue delay. More information on Google's data incident response process is available in our Data Incident response whitepaper .	Data Incidents (Cloud Data Processing Addendum)
28.	-	Responsibilities and obligation between the financial institution and service provider in case of problems, conditions or guidelines on change or cancellation of the contract/agreement, such as when the service provided by the service provider has ended or is canceled, the information of customers of the financial institution and that of the financial institution must be destroyed	Termination Regulated entities can terminate our contract with advance notice for Google's material breach after a cure period. In addition, regulated entities can elect to terminate our contract for convenience with advance notice, including if necessary to comply with law or if directed by a supervisory authority.	Term and Termination
			Transition Google recognizes that regulated entities need to be able to exit our Services without undue disruption to their business, without limiting their compliance with regulatory requirements and without any detriment to the continuity and quality of their service to their own clients. To help regulated entities achieve this, upon request, Google will continue to provide the Services for 12 months beyond the expiry or termination of the contract.	Transition Term
			<u>Deletion</u> On termination of the contractual relationship, Google will comply with your instruction to delete Customer Data from Google systems.	Deletion on Termination (Cloud Data Processing Addendum)
29.	-	Rights of the financial institution, internal auditors, external auditors and the Bank of Thailand to request relevant information and to examine the operation and internal control of the service provider, for both domestic and overseas service provider	Google recognizes that regulated entities and their supervisory authorities must be able to audit our services effectively. Google grants information, audit and access rights to regulated entities, supervisory authorities, and both their appointees.	
30.		Furthermore, financial institutions must keep the contract/agreements at their offices available for the examination by the Bank of Thailand or for submission as requested by the Bank of Thailand.	Where relevant, regulated entities may disclose a copy of the contract to their supervisory authority.	Enabling Customer Compliance; Information
31.		particular country impose constraints on the examination of such service providers, or where the laws or supervisory regulations differ from those as prescribed by the Bank of Thailand, which makes financial institutions to further comply with the laws, regulations and guidelines as prescribed by those	Regulated entities may access their data on the services at any time and may provide their supervisory authority with access. These rights apply regardless of where the data are stored. In addition, Google grants information, audit and access rights to regulated entities, supervisory authorities, and both their appointees. These rights apply regardless of the service location.	Customer Information, Audit and Access
32.	(4)	System and information security		



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33.		When engaging in IT outsourcing including the use of cloud computing, financial institutions must have system and information security measures as follows:		
34.	(4.1)	Financial institutions must ensure that service providers have a framework or standards on system and information security, for both information of customers and that of the financial institutions, which should be commensurate with the size and volume of transactions, complexity of the outsourced IT	System and information security. The security / confidentiality of a cloud service consists of two key elements: (1) Security of Google's infrastructure Google manages the security of our infrastructure. This is the security of the hardware, software, networking and facilities that support the Services. Given the one-to-many nature of our service, Google provides the same robust security for all our customers. Google provides detailed information to customers about our security practices so that customers can understand them and consider them as part of their own risk analysis. More information is available at: • Our infrastructure security page • Our security whitepaper • Our cloud-native security whitepaper • Our infrastructure security design overview page • Our security resources page In addition, you can review Google's SOC 2 report. (2) Security of your data and applications in the cloud You define the security of your data and applications in the cloud. This refers to the security measures that you choose to implement and operate when you use the Services. (a) Security by default Although we want to offer you as much choice as possible when it comes to your data, the security of your data is of paramount importance to Google and we take the following proactive steps to assist you: • Encryption at rest Google encrypts certain data while it is stored at rest on a disk	Confidentiality Data Security; Security Measures (Cloud Data Processing Addendum)



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		(including solid-state drives) or backup media. Even if an attacker or someone with physical access obtains the storage equipment containing your data, they won't be able to read it because they don't have the necessary encryption keys.	
		 Encryption in transit Google encrypts all data while it is "in transit"traveling ove the Internet and across the Google network between data centers. Should an attacker intercept such transmissions, they will only be able to capture encrypted data, at one or more network layers when data moves outside physical boundaries not controlled by Google or on behalf of Google. 	r
		(b) Security products	
		In addition to the other tools and practices available to you outside Google, you can choose to use tools provided by Google to enhance and monitor the security of your data. Information on Google's security products is available on our <u>Cloud Security Products</u> page.	
		(c) <u>Security resources</u>	
		Google also publishes guidance on:	
		 Security best practices Security use cases 	
		International standards Google recognizes that you expect independent verification of our security, privacy and compliance controls. Google undergoes several independent third-party audits on a regular basis to provide this assurance. Google commits to comply with the following key international standards during the term of our contract with you:	a
		 ISO/IEC 27001:2013 (Information Security Management Systems) ISO/IEC 27017:2015 (Cloud Security) ISO/IEC 27018:2014 (Cloud Privacy) SOC 1 SOC 2 SOC 3 	
		You can review Google's current <u>certifications and audit reports</u> at any time. <u>Compliance reports manager</u> provides you with easy, on-demand access to these critical compliance resources.	



#	Framework reference	Google Cloud commentary	Google Cloud Financial Services Contract reference
35.	On this, for financial institutions engaging in cloud computing, they must ensure that cloud computing service providers have a framework on security of critical or sensitive information of customers and that of the financial institutions in accordance with international standards, such as data encryption and key management	We provide certain encryption by default, with no additional action required from you. Encryption at rest Google encrypts certain data while it is stored at rest on a disk (including solid-state drives) or backup media. Even if an attacker or someone with physical access obtains the storage equipment containing your data, they won't be able to read it because they don't have the necessary encryption keys. Encryption in transit Google encrypts all data while it is "in transit"—traveling over the Internet and across the Google network between data centers. Should an attacker intercept such transmissions, they will only be able to capture encrypted data, at one or more network layers when data moves outside physical boundaries not controlled by Google or on behalf of Google. We also offer a continuum of encryption key management options to meet your needs. Refer to our Choosing an Encryption Option page for help to identify the solutions that best fit your requirements for key generation, storage, and rotation. You can choose to use these encryption and key management tools provided by Google: Cloud KMS is a cloud-hosted key management service that lets you manage cryptographic keys for your cloud services the same way you do on-premises. Cloud HSM is a cloud-hosted key management service that lets you protect encryption keys and perform cryptographic operations within a managed HSM service. You can generate, use, rotate, and destroy various symmetric and asymmetric keys. Customer-managed encryption keys for Cloud SQL and GKE persistent disks. Cloud External Key Manager lets you protect data at rest in BigQuery and Compute Engine using encryption keys that are stored and managed in a third-party key management system that's deployed outside Google's infrastructure.	
		 Key Access Justification works with External Key Manager. It provides a detailed justification each time one of your keys is requested to decrypt data, along with 	



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			a mechanism for you to explicitly approve or deny providing the key using an automated policy that you set.	
36.	(4.2)	Financial institutions must have in place a process, procedures or systems for monitoring, evaluating and examining service providers to ensure that the service providers are able to comply with the framework or standards on security of system and information as agreed upon with the financial institutions.	You can monitor and control the limited actions performed by Google personnel on your data using these tools: • Access Transparency _is a feature that enables you to review logs of actions taken by Google personnel regarding your user content. Log entries include: the affected resource, the time of action, the reason for the action (e.g. the case number associated with the support request); and data about who is acting on data (e.g. the Google personnel's location). In addition to the other tools and practices available to you outside Google, you can choose to use tools provided by Google to enhance and monitor the security of your data. Information on Google's security products is available on our Cloud Security Products page.	N/A
37.	(4.3)	Financial institutions must have in place a process, procedures or systems for retrieving all information of customers and that of the financial institutions from service providers. In addition, financial institutions must ensure that service providers have a process, procedures and systems for destroying information of customers and that of the financial institutions when the outsourcing agreements have ended or are canceled.	Retrieval Google will enable you to access and export your data throughout the duration of our contract and the transition term. More information is available on our Google Account help page. In addition, Data Export is a feature that makes it easy to export and download a copy of your data securely from our Services.	Data Export (Cloud Data Processing Addendum) Deletion on Termination (Cloud Data Processing Addendum)
38.	(4.4)	Financial institutions must ensure that service providers have a framework or standards for taking care of and safeguarding important information of customers and that of the financial institutions, which should be in accordance with the relevant laws, supervisory regulations and international standards.	Refer to Rows 33 - 36 for more information on the steps Google takes to secure your information as well as the tools Google makes available to you to secure your data and applications.	N/A
39.	(5)	System and information integrity		
40.		When engaging in IT outsourcing including the use of cloud computing, financial institutions must have system and information integrity measures as follows:		
41.	(5.1)	Financial institutions must arrange to ensure that service providers have a framework or standards on system and information integrity, covering a process of system development or replacement, input validation, processing	System and information integrity	N/A



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		control and output control, as well as must arrange to ensure that the outsourced IT activities are effective, accurate and reliable. This should be commensurate with the size and volume of transactions, complexity of the outsourced IT activities, as well as associated risks. On this, financial institutions may require service providers to apply the best practices on IT security that are in accordance with international standards and generally accepted, as deemed appropriate.	Google's global scale infrastructure is designed to provide security through the entire information processing lifecycle. This infrastructure provides secure deployment of services, secure storage of data with end user privacy safeguards, secure communications between services, secure and private communication with customers over the internet, and safe operation by administrators. Our infrastructure security page describes the security of this infrastructure in progressive layers starting from the physical security of our data centers, continuing on to how the hardware and software that underlie the infrastructure are secured, and finally, describing the technical constraints and processes in place to support operational security. International standards You can review Google's current certifications and audit reports at any time. Compliance reports manager provides you with easy, on-demand access to these critical compliance resources.	
42.	(5.2)	Financial institutions must have in place a process, procedures or systems for monitoring, evaluating, and examining service providers to ensure that the service providers are able to comply with the framework or standards on system and information integrity as agreed upon with the financial institutions.	Refer to Row 36 for information about how you can monitor the integrity of our services.	N/A
43.	(6)	Availability of outsourced IT activities		
44.		When engaging in IT outsourcing including the use of cloud computing, financial institutions must manage to ensure the availability of the outsourced IT activities as follows:		
45.	(6.1)	Financial institutions must ensure that service providers have a framework and standards to ensure the availability of the outsourced IT activities under usual and unusual circumstances. This should be commensurate with the size and volume of transactions, complexity of the outsourced IT activities, as well as associated risks. On this, financial institutions may require service providers to apply the best practices on IT security that are in accordance with international standards and generally accepted, as deemed appropriate.	Google operates multi-zone data centers all over the world, providing resilience in the event of localised or even region-wide environmental or infrastructure events. Refer to our "Architecting disaster recovery for cloud infrastructure outages" article for information about how Google Cloud is architected to minimize the frequency and scope of outages as well as an architecture planning guide that provides a framework for categorizing and designing applications based on the desired reliability outcomes. In addition, Google proactively performs resilience testing, dependency identification, and mapping to find potential single points of failure, and then works proactively to correct any issues to minimize the impact of disruptions on customers. Services at Google are continuously monitored for their availability and graded against their SLO metrics.	Business Continuity and Disaster Recovery



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46.	(6.2)	Financial institutions must have in place a process, procedures or systems for monitoring, evaluating, and examining service providers to ensure that the service providers are able to comply with a framework or standards on availability of the outsourced IT activities as agreed upon with the financial institutions.	You can monitor Google's performance of the Services (including the SLAs) on an ongoing basis using the functionality of the Services. For example: • The Status Dashboard provides status information on the Services. • Admin Console Reports allow you to examine potential security risks, measure user collaboration, track who signs in and when, analyze administrator activity, and much more. • Access Transparency is a feature that enables you to review logs of actions taken by Google personnel regarding your user content. Log entries include: the affected resource, the time of action, the reason for the action (e.g. the case number associated with the support request); and data about who is acting on data (e.g. the Google personnel's location).	
47.	(7)	Consumer protection		
48.		When engaging in IT outsourcing including the use of cloud computing, financial institutions must make the arrangements with respect to customer protection as follows:		
49.	(7.1)	Financial institutions must ensure that service providers will not disclose information of customers and that of the financial institutions to other parties without consent of the financial institutions.	Google commits to only access or use your data to provide the Services ordered by you and will not use it for any other Google products, services, or advertising.	Protection of Customer Data
50.	(7.2)	Financial institutions must have in place a process, procedures or systems for monitoring, evaluating, and examining service providers to ensure that the service providers are able to comply with a framework or standards on customer protection as agreed upon with the financial institutions.	Given the nature of the services, Google does not have direct interaction with the regulated entity's customers. You can review Google's current <u>certifications and audit reports</u> at any time. <u>Compliance reports manager</u> provides you with easy, on-demand access to these critical compliance resources.	N/A
51.	(7.3)	Financial institution must have in place sufficient and appropriate systems for taking care of and managing customer complaints. The resolutions of those complaints must be reported to the committee or senior management with delegated authority in a timely manner. On this, in case where customers encounter losses from the outsourcing of financial institutions, the financial institutions must make compensation to those customers as deemed appropriate.	This is a customer consideration.	N/A



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52.	5.5.2	Specific control requirements		
53.		Where financial institutions engaging in critical IT outsourcing, such as outsourcing of core banking function, data center and network system, including the use of cloud computing for critical activities, the financial institutions must comply with the general control requirements as prescribed in Clause 5.5.1 and must also have additional controls, which are in line with the best practices on IT security, in accordance with international standards, and generally accepted. This should be commensurate with the size and volume of transactions, complexity of the outsourced IT activities, as well as associated risks, under the appropriate supervision of the board of directors, as follows:	Refer to Rows 54 to 60.	N/A
54.	(1)	Specific risk controls		
55.	(1.1)	Financial institutions must ensure that service providers have a process, procedures, controls on risk management, which should, at least, cover the Triad of IT Management, namely security of IT system and information, integrity of IT system and information and availability of IT system, and should be commensurate with the size and volume of transactions, complexity of the outsourced IT activities, as well as associated risks. In addition, service providers should be certified in accordance with international standards, such as the standards of the International Organization for Standardization (ISO) and the Telecommunication Industry Association (TIA).	Google recognizes that you expect independent verification of our security, privacy and compliance controls. Google undergoes several independent third-party audits on a regular basis to provide this assurance. Google commits to comply with the following key international standards during the term of our contract with you: ISO/IEC 27001:2013 (Information Security Management Systems) ISO/IEC 27017:2015 (Cloud Security) ISO/IEC 27018:2014 (Cloud Privacy) SOC 1 SOC 2 SOC 3 You can review Google's current certifications and audit reports at any time. Compliance reports manager provides you with easy, on-demand access to these critical compliance resources.	·
56.	(1.2)	Financial institutions must have in place a process, procedures or systems for monitoring, evaluating, and examining service providers to ensure that the service providers are able to comply with the framework or relevant international standards as agreed upon with the financial institutions. Moreover, financial institutions must conduct a test to ensure that their engaging in critical IT outsourcing will not incur any risks, according to the Triad of IT Management, namely security of IT system and information, integrity of IT system and information and availability of IT system, or lead to loopholes for frauds and/or cyber attacks, both internally and externally, which may severely affect the business operations or key financial services of the financial institutions on a wide scale, such as conducting a penetration test for internet banking system services.	Google is audited at least once a year for each audited framework. You can review Google's current certifications and audit reports at any time. Compliance reports manager provides you with easy, on-demand access to these critical compliance resources.	Certifications and Audit Reports Customer Penetration Testing



#	Frame	work reference		Google Cloud Financial Services Contract reference
57.	(1.3)		 process your data where Google or its subprocessors maintain facilities. Information about the location of Google's facilities is available here. Information about the location of Google's subprocessors' facilities is available here. Google provides the same contractual commitments and technical and organizational measures for your data regardless of the country / region where it is located. In particular: The same robust security measures apply to all Google facilities, regardless of country / region. Google makes the same commitments about all its subprocessors, regardless of country / region. Google provides you with choices about where to store your data. Once you choose where to store your data, Google will not store it outside your chosen region(s). 	Data Security; Subprocessors (Cloud Data Processing Addendum) Data Location (Service Specific Terms)



#	Frame	work reference	1 9	Google Cloud Financial Services Contract reference
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			Refer to our <u>Engaging in a European dialogue on customer controls and open cloud solutions blog post</u> and our <u>Open Cloud page</u> for more information on our commit to open source and common standards.	
58.	(2)	Board oversight		
59.	(2.1)	Financial institutions must present details of critical IT outsourcing as well as results of risk assessment to the board of directors or committee with delegated authority for approval before entering into critical IT outsourcing arrangements, or when there are significant revisions to those arrangements according to the internal guidelines, or when those arrangements are renewed.	This is a customer consideration.	N/A
60.	(2.2)	Financial institutions must report the following to the board of directors or committee with delegated authority in a timely manner: the results of evaluation, monitoring and examination of service providers, according to the Triad of IT Management, namely security of IT system and information, integrity of IT system and information and availability of IT system, as well as problems or incidents or complaints from outsourcing.		N/A