



# OPEN DATA CENTER ALLIANCE<sup>SM</sup>

## USAGE: REGULATORY FRAMEWORK

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## USAGE: REGULATORY FRAMEWORK

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### EXECUTIVE SUMMARY

There are hundreds, if not more, of regulatory bodies, regulations and standards that organizations must track and obey. Organizations spend millions of dollars to ensure they are in compliance and face steep penalties consisting of fines and fees, as well as damage to overall business, if failures occur. Studies have shown, for example, that a \$1 billion company having just one Sarbanes-Oxley compliance failure could incur tens of millions of dollars in costs from settlement fees, lost business, fines, remediation, and business interruption.

The Open Data Center Alliance<sup>SM</sup> recognizes the need for specifying clear mandates and obligations that must be met by providers of cloud services, as well as mechanisms that enable service providers to demonstrate their ability to meet regulatory obligations in an auditable manner. The Regulation Usage Model is aimed at helping organizations assess and monitor their regulatory obligations when engaging and acquiring cloud services.

## PURPOSE

Regulatory compliance requires proactive focus from both the customer and the provider of cloud services. To that end, this Usage Model describes at a high level the framework of the regulatory bodies, regulations, applicable laws and standards, and their implications for both the customers and providers of cloud services, irrespective of sectors. It also describes an illustrative process flow for engaging with regulators and managing associated governance and compliance through the cloud service lifecycle.

In addition to business-defined requirements and obligations for providers of cloud services, regulation and standards play a key role in influencing the definition and ongoing management of cloud services. The implications include, but are not limited to:

- The nature of the outsourcing contract and its terms and conditions
- The maintenance of effective business and technology controls with respect to service levels, privacy, information security, service availability, etc.
- The maintenance of appropriate records and access provisions
- The management of service in response to business interruptions and in providing effective disaster recovery
- The ownership of data and its geo-location, taking into account privacy, cross border, and availability-based regulations and mandates

Since cloud services generally cross jurisdictional boundaries, the services are usually influenced and governed by regulatory obligations at local, federal, international and industry levels. To help organizations meet these obligations, this Usage Model offers a high-level framework for navigating the regulatory compliance and governance steps from both a geographical and industry perspective. This should assist in identification of regulatory obligations, as well as potential barriers to adoption (such as sovereign risk, industry regulator compliance, government regulatory compliance, data ownership and confidentiality, etc.) and help manage the process for performing due diligence, cloud service engagement and ongoing risk management of regulatory compliance needs.

The current Usage Model provides a reference to a sample of industry, local, federal and international regulatory bodies, regulations, laws and standards spanning industry domains such as government, banking brokerage and financial services, health/pharmaceuticals and telecommunications.

**NOTE:** The initial survey of regulators, regulations, applicable laws and standards provided in this document is an illustrative list. It is not intended to be a comprehensive guide to all potential regulators, regulations and standards. **Cloud-Providers** and **Cloud-Subscribers** should take this into consideration when reviewing the usage model for heterogeneous and multi-data center deployments.

**NOTE:** It is intended in subsequent releases of this Usage Model that details of regulators, regulations and standards will be expanded and categorized by region and industry sector.

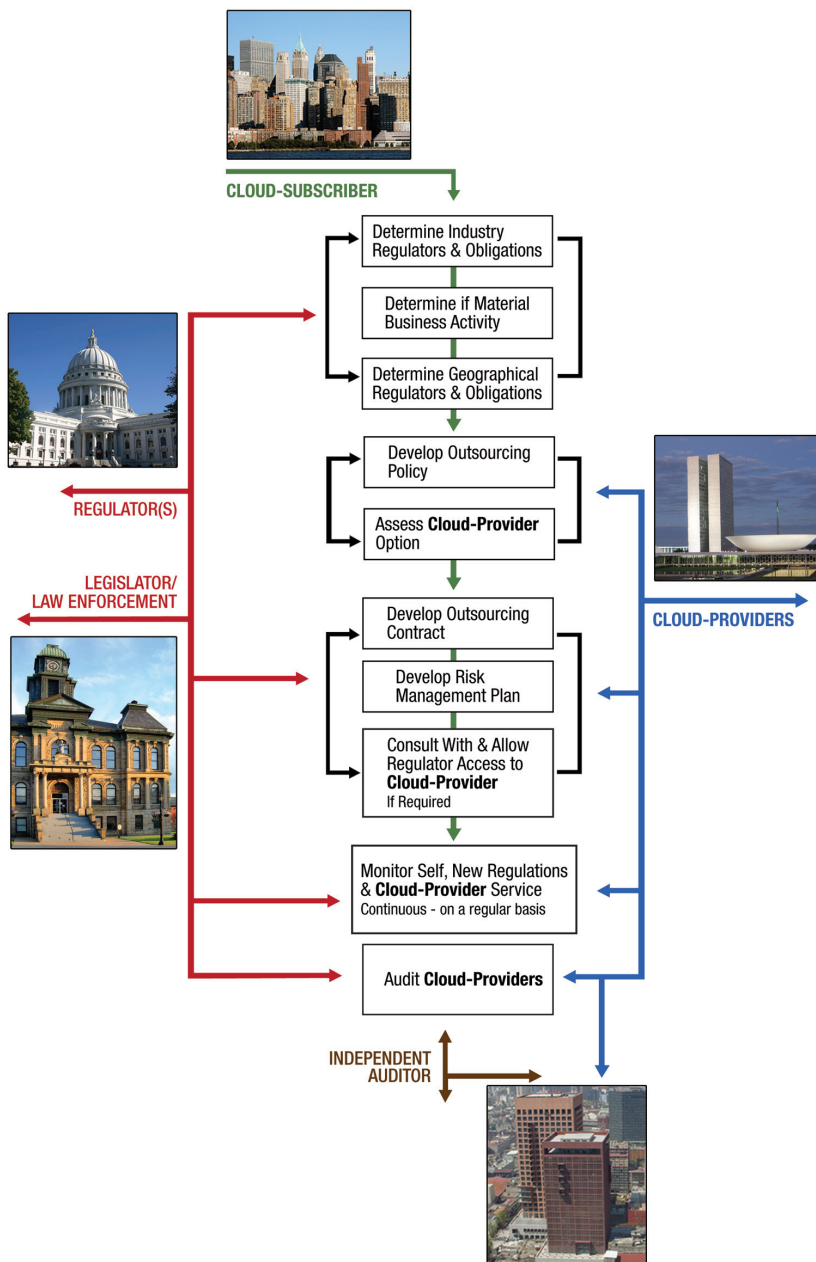
Service (VPDCaaS).

## TAXONOMY

Actor	Description
<b>Cloud-Subscriber</b>	A person or organization that has been authenticated to a cloud and maintains a business relationship with a cloud.
<b>Cloud-Provider</b>	An organization providing network services and charging <b>Cloud-Subscribers</b> . A (public) <b>Cloud-Provider</b> provides services over the Internet.
<b>Regulator</b>	An agency (government or industry) responsible for exercising autonomous authority over a specific area or market.
<b>Legislator/Law Enforcement</b>	Entity that creates, enacts and/or enforces laws.
<b>Auditor</b>	External agencies and/or individuals which perform audits over a specific area or market.

## FUNCTION MAP

The following flow chart shows the processes and relationships between the actors (**Cloud-Subscriber**, **Cloud-Provider**, Regulator, Auditor) when considering regulation and compliance.



## ONGOING CORPORATE COMPLIANCE PROGRAM IN CLOUD ENVIRONMENTS

**Cloud-Subscribers** and **Cloud-Providers** should develop an ongoing corporate compliance and risk management program that ensures periodic review of regulatory requirements and changes, industry standards, internal processes, and **Cloud-Provider** operations, including audit and compliance.

It is expected that new legislation, regulatory approaches or enhancements to existing legislative mandates will be implemented to modernize existing data protection laws, update privacy requirements within several regions and govern key aspects of cloud-based services.

A corporate compliance program should therefore include processes for:

- Monitoring laws, regulations and standards
- Performing impact analysis of compliance obligations resulting from regulations, laws, standards, etc.
- Updating risk and compliance frameworks
- Implementing controls to manage compliance risk
- Monitoring, auditing and reporting on compliance posture
- Taking corrective action as required

**NOTE:** For **Cloud-Providers**, the key requirement is to be transparent and forthcoming in dealing with **Cloud-Subscribers**, Regulators and Auditors. **Cloud-Providers** have an obligation to notify **Cloud-Subscribers** of material changes to local laws and regulations.

Assessments of both materiality and risk necessitates a detailed understanding of the extent and nature of the business processes, the technology architecture, the impacted information assets, and the controls being implemented as part of any outsourcing arrangement.

As part of consultations with the relevant (industry and geographic) Regulator(s), **Cloud-Subscribers** are expected to undertake a comprehensive risk assessment and develop a plan to manage risk based on risk appetite, regulatory obligations, and commerciality. This would typically include an assessment of the specific arrangements underlying the services offered, the controlled environment of the **Cloud-Providers**, the location from which the services are to be provided, and the criticality and sensitivity of the information assets involved. The Regulator would expect regular review, assessment and management of risks as part of a management framework.

**NOTE:** Accountability for risks and risk management cannot be outsourced. **Cloud-Subscribers** should ensure they have a board-approved policy on outsourcing and a risk management framework in place to manage the risks of cloud environments, including regulatory and compliance risk.

## USAGE MODEL

Actors: **Cloud-Subscriber**, **Cloud-Provider**, Regulator, External Auditor.

### Goals:

1. To ensure that **Cloud-Subscribers** have the ability to efficiently assess their local, federal, international and industry regulatory obligations using a standardized, repeatable approach when engaging and acquiring services from **Cloud-Providers**.
2. To ensure that **Cloud-Subscribers** can mandate or specify key requirements and regulatory obligations to be met by **Cloud-Providers** for the industry verticals they wish to service.
3. To ensure that **Cloud-Providers** can efficiently demonstrate their ability to meet local, federal, international and industry regulatory obligations from both a geographical and industry perspective in an auditable manner.

### Considerations:

1. Assumes primary industry, local, federal and international regulators, regulatory obligations, and standards can be readily identified (noting that there will be some necessary ongoing monitoring and maintenance of regulatory requirements).
2. Ultimately the onus is on the **Cloud-Subscriber** to ensure compliance with all geographical and industry-based regulation.

### Success Scenario 1:

The **Cloud-Provider** shall efficiently demonstrate compliance to applicable geographical and industry-based regulations for their **Cloud-Subscribers'** needs. This compliance should be auditable and consistent upon application.

The **Cloud-Provider** is able to demonstrably deploy/adhere to changes and new regulatory requirements with minimum impact to existing **Cloud-Subscribers**.

The **Cloud-Subscriber** and/or **Cloud-Provider** is notified of any material changes to regulations, laws and compliance requirements applicable to their geography and industry in a formal and timely manner (this is so that the partnership of the **Cloud-Subscriber** and **Cloud-Provider** can agree what service changes, if any, are needed to become compliant with the material changes in regulation or law). NOTE: Industry efficiency will be improved if **Cloud-Providers** have a legal statement that **Cloud-Subscribers** can rely on in respect to compliance with specific local/national laws and regulations.

### Failure Conditions 1:

The **Cloud-Provider** is unable to demonstrate or maintain the applicable regulatory or standards compliance requirements (such as privacy, security, business continuity, etc.) or meet **Cloud-Subscriber** policy requirements.

### Failure Handling:

For all failure conditions, both the **Cloud-Provider** and the **Cloud-Subscriber** should assess their inability to meet applicable regulatory and standards compliance requirements and take remedial actions.



**Requirements:**

- **Cloud-Subscribers** should develop an ongoing corporate compliance and risk management program.
- **Cloud-Subscribers** should understand the implications of the geo-location of data, data ownership considerations, access restrictions and provisions, as well as regulatory obligations driving data protection, privacy, ownership, and data flows.
- **Cloud-Providers** should develop an understanding of the legal, regulatory and compliance needs of each sector of their **Cloud-Subscriber** target market, in order to be able to tailor services to meet the specific needs of that sector. To the extent that **Cloud-Providers** can assist **Cloud-Subscribers** to better meet their obligations, **Cloud-Providers** will be better positioned to attract and retain business and develop a strong reputation with the applicable Regulator(s).

Good practice regulatory requirements on **Cloud-Subscriber** institutions include obligations to:

- Have a policy relating to outsourcing of material business activities
- Have an adequate risk management plan to meet obligations and manage risk posed by the outsourcing arrangement
- Have sufficient monitoring processes in place to manage the outsourcing of material business activities
- Have a legally binding agreement in place for all outsourcing of material business activities, unless otherwise agreed by the relevant Regulator(s)
- Ensure compliance with all applicable laws and statutes governing the location and type of business being transacted (e.g., data privacy laws, banking secrecy laws, Gramm-Leach-Bliley Act)
- Consult with the relevant Regulator(s) prior to entering into agreements to outsource material business activities to **Cloud-Providers** who conduct their activities outside the **Cloud-Subscriber's** country
- Notify the relevant Regulator before entering into agreements to outsource material business activities

In the interest of giving guidance on how to create and deploy solutions that are open, multi-vendor and interoperable, we have identified specific areas where the Alliance believes there should open specifications, formal or de facto standards, or common IP-free implementations. The specific areas in this Usage Model where we recommend that these specifications, standards and open implementations be developed are flagged with an asterisk (\*) below. Where the Alliance has a specific recommendation on the specification, standard or open implementation, it is called out in this Usage Model. In other cases, we will be working with the industry to evaluate and recommend specifications in future releases of this document.

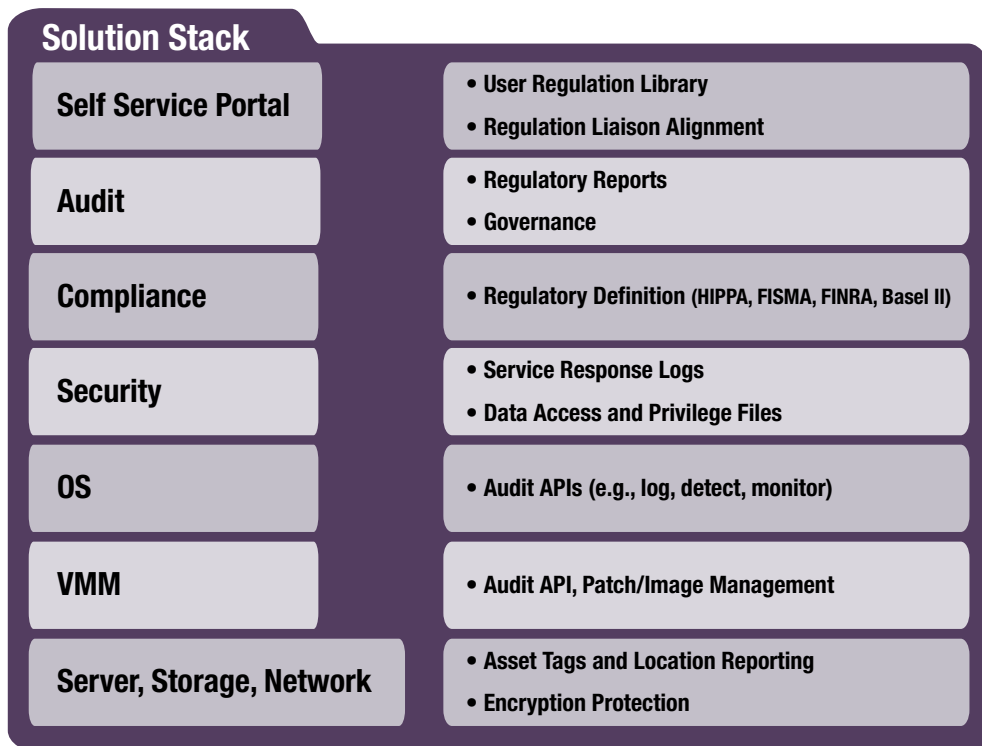
### SUMMARY OF INDUSTRY ACTIONS REQUIRED:

In the interest of giving guidance on how to create and deploy solutions that are open, multi-vendor and interoperable, we have identified specific areas where the Alliance believes there should be open specifications, formal or de facto standards, or common IP-free implementations. The specific areas in this usage model where we recommend that these specifications, standards and open implementations be developed are flagged with an asterisk (\*). Where the Alliance has a specific recommendation on the specification, standard or open implementation, it is called out in this usage model. In other cases, we will be working with the industry to evaluate and recommend specifications in future releases of this document.

The following are industry actions required to refine this usage model:

- **Cloud-Providers, Cloud-Subscribers, Solution-Providers** and industry bodies are encouraged to submit additional regulatory, regulations and standards references to the Open Data Center Alliance for edification and enhancement of the usage model.\*
- **Cloud-Subscribers** should submit examples of successful cloud deployments that meet regulatory requirements and have had regulatory signoff in the **Cloud-Subscriber's** specific jurisdiction(s).
- Both **Cloud-Providers** and **Cloud-Subscribers** should develop robust governance models to meet regulatory and standards compliance, regardless of the service or deployment model.\*
- Regulated organizations need to understand the effect of any differences in processes and systems at each of their locations, particularly if they are in different countries, including jurisdictional issues with respect to international transfer of personal data.

**NOTE:** As organizations adopt cloud computing to a greater extent, additional regulatory attention can be expected.



## SURVEY OF REGULATORS, REGULATIONS AND STANDARDS

The following survey provides an initial list of key regulators, regulations, laws and standards applicable to industry domains such as government, banking, brokerage and financial services, health/pharmaceuticals, and telecommunications.

Banking, Brokerage and Financial Services			
Regulator or Governing Body	Abbreviation	Country	More Information
Prudential Control Authority	ACP	France	<a href="http://www.banque-france.fr/acp/index.htm">http://www.banque-france.fr/acp/index.htm</a>
Netherlands Authority for the Financial Markets	AFM	Netherlands	<a href="http://www.afm.nl/en.aspx">http://www.afm.nl/en.aspx</a>
Securities and Exchange Commission	AFM	Nigeria	<a href="http://www.sec.gov.ng">http://www.sec.gov.ng</a>
Autorite Des marches Financiers	AMF		<a href="http://www.amf-france.org/Default.asp?lang=en">http://www.amf-france.org/Default.asp?lang=en</a>
Australia National Audit Office	ANOA	AU	<a href="http://www.anao.gov.au/">http://www.anao.gov.au/</a>
Australian Prudential Regulation Authority	APRA	AU	<a href="http://www.apra.gov.au/">http://www.apra.gov.au/</a>
Australian Securities & Investments Commission	ASIC	AU	<a href="http://www.asic.gov.au/">http://www.asic.gov.au/</a>
Australian Securities Exchange	ASX	AU	<a href="http://www.asx.com.au/">http://www.asx.com.au/</a>
Australian Taxation office aka Australian Tax Authority	ATO	AU	<a href="http://www.ato.gov.au/">http://www.ato.gov.au/</a>
Australian Transaction Reports and Analyses Centre	AUSTRAC	AU	<a href="http://www.austrac.gov.au/">http://www.austrac.gov.au/</a>
Bundesanstalt für Finanzdienstleistungsaufsicht	BaFin	Bafin	<a href="http://www.bafin.de/EN/Home/homepage__node.html?__nnn=true">http://www.bafin.de/EN/Home/homepage__node.html?__nnn=true</a>
Banco de Mexico	BANXICO	Mexico	<a href="http://www.banxico.org.mx/sitioingles/index.html">http://www.banxico.org.mx/sitioingles/index.html</a>
The Bankers Association of the Republic of China	BAROC	China	<a href="http://www.ba.org.tw/index-eng.aspx">http://www.ba.org.tw/index-eng.aspx</a>
Deutsche Bundesbank (Central Bank of Germany)	BBK	Germany	<a href="http://www.bundesbank.de/index.en.php">http://www.bundesbank.de/index.en.php</a>
Central Bank of Brazil aka BACEN	BCB	Brazil	<a href="http://www.bcb.gov.br/">http://www.bcb.gov.br/</a>
Banque Centrale du Luxembourg	BCL	Luxembourg	<a href="http://www.bcl.lu/en/index.php">http://www.bcl.lu/en/index.php</a>
Banco Central de la República Argentina	BCRA	Argentina	<a href="http://www.bcra.gov.ar/index_i.htm">http://www.bcra.gov.ar/index_i.htm</a>

## Open Data Center Alliance Usage: Regulatory Framework

Banking Regulation and Supervision Agency	BDDK	Turkey	<a href="http://www.bddk.org.tr/WebSitesi/English.aspx">http://www.bddk.org.tr/WebSitesi/English.aspx</a>
Banque du Liban	BDL	Liban	<a href="http://www.bdl.gov.lb/bfs/index.htm">http://www.bdl.gov.lb/bfs/index.htm</a>
Bank Indonesia	BI	Indonesia	<a href="http://www.bi.go.id/web/id/">http://www.bi.go.id/web/id/</a>
Banca d'Italia (Bank of Italy)	BI	Italy	<a href="http://www.bancaditalia.it/internal&amp;action=_setlanguageaction?LANGUAGE=en">http://www.bancaditalia.it/internal&amp;action=_setlanguageaction?LANGUAGE=en</a>
Brazilian Mercantile & Futures Exchange	BM&F	Brazil	<a href="http://www.bmf.com.br/IndexEnglish.asp">http://www.bmf.com.br/IndexEnglish.asp</a>
Bolsa Mexicana de Valores	BMV	Mexico	<a href="http://www.bmv.com.mx/">http://www.bmv.com.mx/</a>
Bank Negara Malaysia	BNM	Malaysia	<a href="http://www.bnm.gov.my/">http://www.bnm.gov.my/</a>
Bank of Japan	BOJ	Japan	<a href="http://www.boj.or.jp/en/">http://www.boj.or.jp/en/</a>
Bank of Korea	BOK	Korea	<a href="http://eng.bok.or.kr/eng/engMain.action">http://eng.bok.or.kr/eng/engMain.action</a>
Bank of Spain	BOS	Spain	<a href="http://www.bde.es/">http://www.bde.es/</a>
Bank of Thailand	BOT	Thailand	<a href="http://www.bot.or.th/english/">http://www.bot.or.th/english/</a>
Bombay Stock Exchange Limited	BSE	India	<a href="http://www.bseindia.com/">http://www.bseindia.com/</a>
Bangko Sentral Ng Pilipinas	BSP	Philippines	<a href="http://www.bsp.gov.ph/">http://www.bsp.gov.ph/</a>
BURSA Malaysia	BURSA	Malaysia	<a href="http://www.klse.com.my/website/bm/">http://www.klse.com.my/website/bm/</a>
Central Bank of Bahrain	CBB	Bahraib	<a href="http://www.bahrain.com/central-bank-bahrain.aspx">http://www.bahrain.com/central-bank-bahrain.aspx</a>
Central Bank of China (Taiwan)	CBC	China	<a href="http://www.cbc.gov.tw/mp2.html">http://www.cbc.gov.tw/mp2.html</a>
Belgian Finance and Insurance Commission	CBFA	Belgium	<a href="http://www.cbfa.be/eng/index.asp">http://www.cbfa.be/eng/index.asp</a>
The Central Bank of the Russian Federation	CBR	Russia	<a href="http://www.cbr.ru/eng/v">http://www.cbr.ru/eng/v</a>
China Banking Regulatory Commission	CBRC	China	<a href="http://www.cbrc.gov.cn/english/home/jsp/index.jsp">http://www.cbrc.gov.cn/english/home/jsp/index.jsp</a>
Central Depository Services (India) Limited	CDSL	India	<a href="http://www.cdslindia.com/">http://www.cdslindia.com/</a>
CETIP - OTC Clearing House	CETIP	Chile	<a href="http://www.cetip.com.br/index.asp?lang=english">http://www.cetip.com.br/index.asp?lang=english</a>
China Financial Futures Exchange	CFFEX		<a href="http://www.cffex.com.cn/en_new/sspz/hs300zs/">http://www.cffex.com.cn/en_new/sspz/hs300zs/</a>
Capital Markets Authority	CMA	Kenya	<a href="http://www.cma.or.ke/">http://www.cma.or.ke/</a>
Comissao Do Mercado De Valores Mobiliarios	CMVM	Spain	<a href="http://www.cmvm.pt/en/Pages/default.aspx">http://www.cmvm.pt/en/Pages/default.aspx</a>
Security and Exchange Commission	CNBV	Mexico	<a href="http://cnbv.gob.mx/">http://cnbv.gob.mx/</a>
Comisiòn Nacional del Mercado de Valores Consejero	CNVM	Spain	<a href="http://www.cnmv.es/index_en.htm">http://www.cnmv.es/index_en.htm</a>
Commission Nationale de la Protection des Donnees	CNPD	Luxembourg	<a href="http://www.cnpd.public.lu/fr/index.html">http://www.cnpd.public.lu/fr/index.html</a>

Commissione Nazionale per le Società e la Borsa	CONSOB	Italy	<a href="http://www.consob.it/mainen/index.html?mode=gfx">http://www.consob.it/mainen/index.html?mode=gfx</a>
Centre for Coordination and Control over Functioning of Securities Market	CSM	Russia	<a href="http://www.csm.gov.uz/">http://www.csm.gov.uz/</a>
China Securities Regulatory Commission	CSRC	China	<a href="http://www.csrc.gov.cn/pub/csrc_en/">http://www.csrc.gov.cn/pub/csrc_en/</a>
Commission de Surveillance du Secteur Financier	CSSF	Luxembourg	<a href="http://www.cssf.lu/index.php?&amp;L=1">http://www.cssf.lu/index.php?&amp;L=1</a>
Dubai Financial Services Authority	DFSA	Dubai	<a href="http://www.dfsa.ae/Pages/default.aspx">http://www.dfsa.ae/Pages/default.aspx</a>
Egyptian Financial Supervisory Authority	EFSA	Egypt	<a href="http://www.efsa.gov.eg/jtags/efsa2_en/index_en.jsp">http://www.efsa.gov.eg/jtags/efsa2_en/index_en.jsp</a>
Federal Deposit Insurance Corporation	FDIC	USA	<a href="http://www.fdic.gov/">http://www.fdic.gov/</a>
FSC - Financial Examination Bureau	FEB	Taiwan	<a href="http://www.feb.gov.tw/Layout/main_en/index.aspx?frame=12">http://www.feb.gov.tw/Layout/main_en/index.aspx?frame=12</a>
The Financial Futures Association of Japan	FFAJ	Japan	<a href="http://www.ffaj.or.jp/en/index.html">http://www.ffaj.or.jp/en/index.html</a>
Federal Home Loan Bank System	FHLB	USA	<a href="http://www.fhlbanks.com/">http://www.fhlbanks.com/</a>
Federal Home Loan Mortgage Corporation (Freddie Mac)	FHLMC	USA	<a href="http://www.freddiemac.com/">http://www.freddiemac.com/</a>
South African Financial Intelligence Centre	FIC	South Africa	<a href="https://www.fic.gov.za/">https://www.fic.gov.za/</a>
Swedish Financial Services Authority (FSA)	Finansinspektionen	Sweden	<a href="http://www.fi.se/Folder-EN/Startpage/">http://www.fi.se/Folder-EN/Startpage/</a>
Financial Supervisory Authority (FIN-FSA)	FIN-FSA	Finland	<a href="http://www.finanssivalvonta.fi/en/Pages/Default.aspx">http://www.finanssivalvonta.fi/en/Pages/Default.aspx</a>
Security and Exchange Commission		Brazil	<a href="http://www.cvm.gov.br/ingl/indexing.asp">http://www.cvm.gov.br/ingl/indexing.asp</a>
Danish Financial Supervisory Authority		Denmark	<a href="http://www.dfsa.dk/en.aspx">http://www.dfsa.dk/en.aspx</a>
Financial Supervisory Authority of Norway		Norway	<a href="http://www.finanstilsynet.no/en/">http://www.finanstilsynet.no/en/</a>
Swiss Financial Market Supervisory Authority	FINMA	Switzerland	<a href="http://www.finma.ch/e/pages/default.aspx">http://www.finma.ch/e/pages/default.aspx</a>
Financial Industry Regulatory Authority	FINRA	USA	<a href="http://www.finra.org/">http://www.finra.org/</a>
Financial Market Authority	FMA	Germany	<a href="http://www.fma.gv.at/cms/site/EN/index.html">http://www.fma.gv.at/cms/site/EN/index.html</a>
Federal National Mortgage Association (Fannie Mae)	FNMA	USA	<a href="http://www.fanniemae.com/kb/index?page=home">http://www.fanniemae.com/kb/index?page=home</a>
Federal Reserve Bank	FRB	USA	<a href="http://www.federalreserve.gov/bankinfo/default.htm">http://www.federalreserve.gov/bankinfo/default.htm</a>

## Open Data Center Alliance Usage: Regulatory Framework

Financial Services Authority	FSA	Japan	<a href="http://www.fsa.go.jp/en/index.html">http://www.fsa.go.jp/en/index.html</a>
Bank & Financial Services Authority of Ireland	FSA	Ireland	<a href="http://www.centralbank.ie/">http://www.centralbank.ie/</a>
Financial Supervision Authority (AFN)	FSA	Kazakhstan	<a href="http://www.afn.kz/en">http://www.afn.kz/en</a>
Financial Services Authority	FSA	UK	<a href="http://www.fsa.gov.uk/">http://www.fsa.gov.uk/</a>
Federal Security Service of the Russian Federation	FSB	Russia	<a href="http://www.fsb.ru/">http://www.fsb.ru/</a>
Financial Services Board	FSB	South Africa	<a href="http://www.fsb.co.za/">http://www.fsb.co.za/</a>
Financial Supervisory Commission	FSC	Taiwan	<a href="http://www.fscey.gov.tw/Layout/main_en/index.aspx?frame=16">http://www.fscey.gov.tw/Layout/main_en/index.aspx?frame=16</a>
Financial Supervisory Service	FSS	South Korea	<a href="http://english.fss.or.kr/fss/en/main.jsp">http://english.fss.or.kr/fss/en/main.jsp</a>
Guernsey Financial Services Commission	GFSC	Channel Islands	<a href="http://www.gfsc.gg/The-Commission/Pages/Home.aspx">http://www.gfsc.gg/The-Commission/Pages/Home.aspx</a>
GreTai Securities Market	GTSM	Taiwan	<a href="http://www.otc.org.tw/en/index.php">http://www.otc.org.tw/en/index.php</a>
Hellenic Republic Capital Market Commission	HCMC	Hellenic	<a href="http://www.hcmc.gr/pages/index.asp">http://www.hcmc.gr/pages/index.asp</a>
Hong Kong Monetary Authority	HKMA	Hong Kong	<a href="http://www.info.gov.hk/hkma/">http://www.info.gov.hk/hkma/</a>
Indonesia Stock Exchange	IDX	Indonesia	<a href="http://www.idx.co.id/">http://www.idx.co.id/</a>
Ireland Financial Regulator (aka IFSRA)	IFR	Ireland	<a href="http://www.financialregulator.ie/Pages/home.aspx">http://www.financialregulator.ie/Pages/home.aspx</a>
Investment Industry Regulatory Organization of Canada	IIROC	Canada	<a href="http://www.iiroc.ca/English/Pages/home.aspx">http://www.iiroc.ca/English/Pages/home.aspx</a>
Indonesian Financial Transaction Reports and Analysis Center (PPATK)	INTRAC	Indonesia	<a href="http://www.ppatk.go.id/index_eng.php">http://www.ppatk.go.id/index_eng.php</a>
Israel Securities Authority	ISA	Israel	<a href="http://www.isa.gov.il/">http://www.isa.gov.il/</a>
Jersey Financial Services Commission	JFSC	Channel Islands	<a href="http://www.jerseyfsc.org/index.asp">http://www.jerseyfsc.org/index.asp</a>
Japan Securities Dealers Association	JSDA	Japan	<a href="http://www.jsda.or.jp/html/eigo/index.html">http://www.jsda.or.jp/html/eigo/index.html</a>
Johannesburg Stock Exchange	JSE	South Africa	<a href="http://www.jse.co.za/Home.aspx">http://www.jse.co.za/Home.aspx</a>
Korean Futures Exchange	KOFE	Korea	<a href="http://english.kofa.or.kr/">http://english.kofa.or.kr/</a>
Korea Exchange	KRX	Korea	<a href="http://eng.krx.co.kr/">http://eng.krx.co.kr/</a>
Ministry of Law & Justice	LAWMIN	UK	<a href="http://lawmin.nic.in/">http://lawmin.nic.in/</a>
London Metal Exchange	LME	UK	<a href="http://www.lme.com/">http://www.lme.com/</a>
Monetary Authority of Singapore	MAS	Singapore	<a href="http://www.mas.gov.sg/">http://www.mas.gov.sg/</a>
Ministry of Information & Broadcasting	MIB	India	<a href="http://www.mib.nic.in/">http://www.mib.nic.in/</a>

Ministry of Information and Communication Technology	MICT	Thailand	<a href="http://www.mict.go.th">http://www.mict.go.th</a> <a href="http://en.wikipedia.org/wiki/Ministry_of_Information_and_Communication_Technology_(Thailand)">http://en.wikipedia.org/wiki/Ministry_of_Information_and_Communication_Technology_(Thailand)</a>
Ministry of Finance	MOF	Taiwan	<a href="http://www.mof.gov.tw/engweb/mp.asp?mp=2">http://www.mof.gov.tw/engweb/mp.asp?mp=2</a>
Montreal Exchange	MX	Canada	<a href="http://www.m-x.ca/accueil_en.php">http://www.m-x.ca/accueil_en.php</a>
National Securities Depository Limited	NSDL	India	<a href="https://nsdl.co.in/">https://nsdl.co.in/</a>
National Stock Exchange of India	NSE	India	<a href="http://www.nse-india.com/">http://www.nse-india.com/</a>
National Stock Exchange	NSE	USA	<a href="http://www.nsx.com/">http://www.nsx.com/</a>
National Tax Agency Japan	NTA	Japan	<a href="http://www.nta.go.jp/foreign_language/index.htm">http://www.nta.go.jp/foreign_language/index.htm</a>
New York Mercantile Exchange	NYMEX	USA	<a href="http://www.cmegroup.com/company/nymex.html">http://www.cmegroup.com/company/nymex.html</a>
New York Stock Exchange	NYSE	USA	<a href="http://www.nyse.com/">http://www.nyse.com/</a>
Office of the Comptroller of the Currency	OCC	USA	<a href="http://occ.treas.gov/">http://occ.treas.gov/</a>
Osaka Securities Exchange	OSE	Japan	<a href="http://www.ose.or.jp/e/">http://www.ose.or.jp/e/</a>
The Office of the Superintendent of Financial Institutions Canada	OSFI	Canada	<a href="http://www.osfi-bsif.gc.ca/osfi/index_e.aspx?ArticleID=3">http://www.osfi-bsif.gc.ca/osfi/index_e.aspx?ArticleID=3</a>
People's Bank of China	PBOC	China	<a href="http://www.pbc.gov.cn/publish/english/963/index.html">http://www.pbc.gov.cn/publish/english/963/index.html</a>
Philippine Deposit Insurance Corporation	PDIC	Philippines	<a href="http://www.pdic.gov.ph/">http://www.pdic.gov.ph/</a>
Polish Financial Supervision Authority	PFSA	Poland	<a href="http://www.knf.gov.pl/en/index.html">http://www.knf.gov.pl/en/index.html</a>
Public Security Bureau	PSB	Philippines	<a href="http://en.wikipedia.org/wiki/Public_security_bureau">http://en.wikipedia.org/wiki/Public_security_bureau</a>
Philippine Stock Exchange	PSE	India	<a href="http://www.pse.com.ph/">http://www.pse.com.ph/</a>
Reserve Bank of India	RBI		<a href="http://www.rbi.org.in/home.aspx">http://www.rbi.org.in/home.aspx</a>
Standardization Administration of PRC	SAC	China	<a href="http://www.sac.gov.cn/templet/english/">http://www.sac.gov.cn/templet/english/</a>
Saudi Arabian Monetary Agency	SAMA	Saudi Arabia	<a href="http://www.sama.gov.sa/sites/SAMAEN/Pages/Home.aspx">http://www.sama.gov.sa/sites/SAMAEN/Pages/Home.aspx</a>
Superintendencia de Bancos e Instituciones Financieras	SBIF	Chile	<a href="http://www.sbif.cl/sbifweb/servlet/Portada?indice=0.0">http://www.sbif.cl/sbifweb/servlet/Portada?indice=0.0</a>
Securities Commission	SC	Malaysia	<a href="http://www.sc.com.my/">http://www.sc.com.my/</a>
Securities & Exchange Board of India	SEBI	India	<a href="http://www.sebi.gov.in/">http://www.sebi.gov.in/</a>
Securities & Exchange Commission	SEC	USA	<a href="http://www.sec.gov/">http://www.sec.gov/</a>
Securities & Exchange Surveillance Commission	SESC	Japan	<a href="http://www.fsa.go.jp/sesc/english/index.htm">http://www.fsa.go.jp/sesc/english/index.htm</a>
Securities Exchange Commission	SET	Thailand	<a href="http://www.sec.or.th/view/view.jsp?lang=en">http://www.sec.or.th/view/view.jsp?lang=en</a>

## Open Data Center Alliance Usage: Regulatory Framework

FSC - Securities and Futures Bureau	SFB	Taiwan	<a href="http://www.sfb.gov.tw/Layout/main_en/index.aspx?frame=15">http://www.sfb.gov.tw/Layout/main_en/index.aspx?frame=15</a>
Securities & Futures Commission	SFC	Hong Kong	<a href="http://www.sfc.hk/sfc/html/EN/">http://www.sfc.hk/sfc/html/EN/</a>
Singapore Exchange	SGX	Singapore	<a href="http://www.sgx.com/wps/portal/marketplace/mp-en/home">http://www.sgx.com/wps/portal/marketplace/mp-en/home</a>
Secretaria de Hacienda y Credito Publico	SHCP	Mexico	<a href="http://www.shcp.gob.mx/Paginas/Default.aspx">http://www.shcp.gob.mx/Paginas/Default.aspx</a>
Software Technology Parks of India	STPI	India	<a href="http://www.stpi.in/index.php?langid=1">http://www.stpi.in/index.php?langid=1</a>
Taiwan Futures Exchange	TAIFEX	Taiwan	<a href="http://www.taifex.com.tw/eng/eng_home.htm">http://www.taifex.com.tw/eng/eng_home.htm</a>
Thai Bond Market Association	TBMA	Thailand	<a href="http://www.thaibma.or.th/">http://www.thaibma.or.th/</a>
Tokyo Financial Exchange	TFX	Japan	<a href="http://www.tfx.co.jp/en/">http://www.tfx.co.jp/en/</a>
Tokyo Metropolitan Government Inspection	TMGI	Japan	<a href="http://www.metro.tokyo.jp/ENGLISH/PROFILE/appendix03.htm">http://www.metro.tokyo.jp/ENGLISH/PROFILE/appendix03.htm</a>
Taiwan Securities Association (aka CTSA or CSA)	TSA	Taiwan	<a href="http://www.csa.org.tw/CSAENG.asp">http://www.csa.org.tw/CSAENG.asp</a>
Tokyo Stock Exchange	TSE	Japan	<a href="http://www.tse.or.jp/english/">http://www.tse.or.jp/english/</a>
Taiwan Trust Association	TTA	Taiwan	<a href="http://www.tta.org.tw/index.html">http://www.tta.org.tw/index.html</a>
Tokyo Tax Bureau	TTB	Japan	<a href="http://www.nta.go.jp/foreign_language/index.htm">http://www.nta.go.jp/foreign_language/index.htm</a>
Taiwan Stock Exchange	TWSE	Taiwan	<a href="http://www.twse.com.tw/en/">http://www.twse.com.tw/en/</a>



<b>Telecommunications</b>			
<b>Regulator or Governing Body</b>	<b>Abbreviation</b>	<b>Country</b>	<b>More Information</b>
Afghanistan Telecom Regulatory Authority	ATRA	Afghanistan	<a href="http://www.atra.gov.af/index.php?lang=en">http://www.atra.gov.af/index.php?lang=en</a>
Electronic and Postal Communications Authority ([1])		Albania	<a href="http://www.akep.al/">http://www.akep.al/</a>
Autorite de Regulation des Postes et Telecommunications	ARPT	Algeria	<a href="http://www.arpt.dz/">http://www.arpt.dz/</a>
Telecomunicações Ministério das Telecomunicações e Tecnologias	MTTI	Angola	<a href="http://www.mtti.gov.ao/">http://www.mtti.gov.ao/</a>
Secretaría de Comunicaciones	SECOM	Argentina	<a href="http://www.secom.gov.ar/">http://www.secom.gov.ar/</a>
Australian Communications and Media Authority	ACMA	Australia	<a href="http://www.acma.gov.au/WEB/HOMEPAGE/PC=HOME">http://www.acma.gov.au/WEB/HOMEPAGE/PC=HOME</a>
Austrian Regulatory Authority for Broadcasting and Telecommunications	RTR-GmbH	Austria	<a href="http://www.rtr.at/">http://www.rtr.at/</a>
Utilities Regulation & Competition Authority	URCA	Bahamas	<a href="http://www.urcabahamas.bs/">http://www.urcabahamas.bs/</a>
Telecommunications Regulatory Authority of Bahrain	TRA	Bahrain	<a href="http://www.tra.org.bh/">http://www.tra.org.bh/</a>
Bangladesh Telecommunication Regulatory Commission	BTRC	India	<a href="http://www.btrc.gov.bd/">http://www.btrc.gov.bd/</a>
Telecommunications Unit		Barbados	<a href="http://www.telecoms.gov.bb/">http://www.telecoms.gov.bb/</a>
Ministry of Posts and Telecommunications	MPT	Belarus	<a href="http://www.mpt.gov.by/new/modules/news/">http://www.mpt.gov.by/new/modules/news/</a>
Belgian Institute for Postal services and Telecommunication	BIPT	Belgium	<a href="http://www.bipt.be/nl/1/Home/Home/Welkom.aspx">http://www.bipt.be/nl/1/Home/Home/Welkom.aspx</a>
Transitory Authority for the Regulation of Posts and Telecommunication	ATRPT	Benin	<a href="http://www.atrpt.bj/">http://www.atrpt.bj/</a>

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Superintendencia de Telecomunicaciones	SITTEL	Bolivia	<a href="http://www.sittel.gov.bo/">http://www.sittel.gov.bo/</a> (Webpage temporarily unavailable.)
Botswana Telecommunications Authority	BTA	Botswana	<a href="http://www.bta.org.bw/">http://www.bta.org.bw/</a>
Agencia Nacional de Telecomunicacoes	ANATEL	Brazil	<a href="http://www.anatel.gov.br/">http://www.anatel.gov.br/</a>
Authority for Info-Communications Technology Industry	AITI	Brunei Darussalam	<a href="http://www.aiti.gov.bn/">http://www.aiti.gov.bn/</a>
Communications Regulatory Agency of Bosnia-Herzegovina	CRA	Bosnia & Herzegovina	<a href="http://www.cra.ba/">http://www.cra.ba/</a>
Communications Regulation Commission	CRC	Bulgaria	<a href="http://www.crc.bg/index.php?lang=en">http://www.crc.bg/index.php?lang=en</a>
Autorite Nationale de Regulation des Telecommunications	ARCE	Burkina Faso	<a href="http://www.artel.bf/">http://www.artel.bf/</a>
Agence de Régulation et de Contrôle des Télécommunications	ARCT	Burundi	<a href="http://burundibwiza.com/">http://burundibwiza.com/</a>
Agence de Regulation des Telecommunication	ART	Cameroon	<a href="http://www.art.cm/">http://www.art.cm/</a>
Industry Canada	ICRST	Canada	<a href="http://www.ic.gc.ca/ic_wp-pa.htm">http://www.ic.gc.ca/ic_wp-pa.htm</a>
Canadian Radio-television & Telecommunications Commission	CRTC	Canada	<a href="http://www.crtc.gc.ca/eng/home-accueil.htm">http://www.crtc.gc.ca/eng/home-accueil.htm</a>
National Communications Agency	ANAC	Cape Verde	<a href="http://www.anac.cv/">http://www.anac.cv/</a>
Agence chargée de la Régulation des Télécommunications	ART	Central African Republic	<a href="http://www.art-rca.org/">http://www.art-rca.org/</a>
Office Tchadien de Regulation des Telecoms	OTRT	Chad	<a href="http://www.otrt.td/">http://www.otrt.td/</a>
Comisión de Regulación de Comunicaciones	CRCO	Columbia	<a href="http://www.crcm.gov.co/">http://www.crcm.gov.co/</a>
Autorité Nationale de Régulation des Tics	ANRTIC	Comoros	<a href="http://www.alwatwan.net/index.php?home=actu.php&amp;actu_id=983">http://www.alwatwan.net/index.php?home=actu.php&amp;actu_id=983</a>
Agence des Telecommunications de Cote d'Ivoire	ATCI	Cote d'Ivoire	<a href="http://www.atci.ci/">http://www.atci.ci/</a>
Croatian Post and Electronic Communications Agency	HAKOM	Croatia	<a href="http://www.hakom.hr/default.aspx?id=7">http://www.hakom.hr/default.aspx?id=7</a>
Subsecretaria de Telecomunicacaiones	SUBTEL	Chile	<a href="http://www.subtel.cl/prontus_subtel/site/edic/base/port/inicio.html">http://www.subtel.cl/prontus_subtel/site/edic/base/port/inicio.html</a>
The Czech Telecommunication Office	TÚ	Czech Republic	<a href="http://www.ctu.eu/main.php?pageid=178">http://www.ctu.eu/main.php?pageid=178</a>
Autorite de Regulation de la Poste et des Telecommunications du Congo	ARPTC	Democratic Republic of the Congo	<a href="http://www.arptc.cd/">http://www.arptc.cd/</a>
National IT & Telecom Agency	ITST	Denmark	<a href="http://en.itst.dk/">http://en.itst.dk/</a>
Ministere de la Communication et de la Culture, chargé des Postes et Télécommnications, Porte-Parole du Gouvernement	MCCPT	Djibouti	<a href="http://www.mccpt.dj/">http://www.mccpt.dj/</a>

Eastern Caribbean Telecommunications Authority	ECTEL	Dominica	<a href="http://www.ectel.int/ntrcdominica.htm">http://www.ectel.int/ntrcdominica.htm</a>
Consejo Nacional de Telecomunicaciones del Ecuador	CONATEL	Ecuador	<a href="http://www.conatel.gov.ec/">http://www.conatel.gov.ec/</a>
Ministerio de Telecomunicaciones y de la Sociedad de la Información	MINTEL	Ecuador	<a href="http://www.mintel.gob.ec/">http://www.mintel.gob.ec/</a>
Superintendencia General de Electricidad y Telecomunicaciones	SIGET	El Salvador	<a href="http://www.siget.gob.sv/">http://www.siget.gob.sv/</a>
National Telecommunications Regulatory Authority	NTRA	Egypt	<a href="http://www.tra.gov.eg/english/Main.asp">http://www.tra.gov.eg/english/Main.asp</a>
Ethiopian Telecommunications Agency	ETA	Ethiopia	<a href="http://www.eta.gov.et/">http://www.eta.gov.et/</a>
Ministry of Transport and Communications	LVM	Finland	<a href="http://www.lvm.fi/web/en/home">http://www.lvm.fi/web/en/home</a>
Autorité de Regulation des Communications Electroniques et des Postes	ARCEP	France	<a href="http://www.arcep.fr/">http://www.arcep.fr/</a>
Agence de Regulation des Telecommunications	ARTEL	Gabon	<a href="http://www.artel.ga/">http://www.artel.ga/</a>
Gambian Public Utilities Regulatory Authority	PURA	Gambia	<a href="http://www.pura.gm/">http://www.pura.gm/</a>
Georgian National Communications Commission	GNCC	Georgia	<a href="http://www.gncc.ge/?lang_id=ENG">http://www.gncc.ge/?lang_id=ENG</a>
Bundesnetzagentur	BNA	Germany	<a href="http://www.bundesnetzagentur.de/cIn_1911/DE/Home/home_node.html">http://www.bundesnetzagentur.de/cIn_1911/DE/Home/home_node.html</a>
National Communications Authority	NCA	Ghana	<a href="http://www.nca.org.gh/">http://www.nca.org.gh/</a>
Hellenic Telecommunications & Post Commission	EETT	Greece	<a href="http://www.eett.gr/">http://www.eett.gr/</a>
Eastern Caribbean Telecommunications Authority	ECTEL	Grenada	<a href="http://www.ectel.int/">http://www.ectel.int/</a>
Superintendencia de Telecomunicaciones	SIT	Guatemala	<a href="http://www.sit.gob.gt/">http://www.sit.gob.gt/</a>
Regulatory Authority for Posts & Telecommunications	ARPT	Guinea	<a href="http://www.arptguinee.org/">http://www.arptguinee.org/</a>
Ministry of Telecommunications	ICGB	Guinea Bissau	<a href="http://www.icgb.org/">http://www.icgb.org/</a> (Website currently not available.)
Comisión Nacional de Telecomunicaciones	CONATEL	Honduras	<a href="http://www.conatel.gob.hn/">http://www.conatel.gob.hn/</a>
Office of the Telecommunications Authority	OFTA	Hong Kong	<a href="http://www.ofta.gov.hk/">http://www.ofta.gov.hk/</a>
National Media & Infocommunication Authority	NMHH	Hungary	<a href="http://www.nmhh.hu/">http://www.nmhh.hu/</a>
Ministry of Transport, Communications & Local Gov.		Iceland	<a href="http://eng.samgonguraduneyti.is/">http://eng.samgonguraduneyti.is/</a>
Telecom Regulatory Authority of India	TRAI	India	<a href="http://www.trai.gov.in/">http://www.trai.gov.in/</a>
Communication Regulatory Authority	CRA	Iran	<a href="http://www.cra.ir/Portal/Home/">http://www.cra.ir/Portal/Home/</a>
Commission for Communications Regulation	ODTR	Ireland	<a href="http://www.comreg.ie/">http://www.comreg.ie/</a>
Badan Regulasi Telekomunikasi Indonesia / Indonesian Telecommunications Regulatory Authority	BRTI	Indonesia	<a href="http://www.brti.or.id/">http://www.brti.or.id/</a> (Website currently not available.)

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Commission for Communications Regulation	ComReg	Ireland	<a href="http://www.comreg.ie/">http://www.comreg.ie/</a>
Ministry of Communications	MOC	Israel	<a href="http://www.moc.gov.il/">http://www.moc.gov.il/</a>
Autorità per le Garanzie nelle Comunicazioni	AGCOM	Italy	<a href="http://www.agcom.it/">http://www.agcom.it/</a>
Ministry of Internal Affairs & Communications	MIC	Japan	<a href="http://www.soumu.go.jp/english/index.html">http://www.soumu.go.jp/english/index.html</a>
Telecommunications Regulatory Commission	TRC	Jordan	<a href="http://www.trc.gov.jo/">http://www.trc.gov.jo/</a>
Communications Commission of Kenya	CCK	Kenya	<a href="http://www.cck.go.ke/">http://www.cck.go.ke/</a>
Ministry of Communications and Information	KCC	South Korea	<a href="http://www.kcc.go.kr/user/ehpMain.do">http://www.kcc.go.kr/user/ehpMain.do</a>
Elektronisko sakaru direkcija	ESD	Latvia	<a href="http://www.esd.lv/index.php?lang=en">http://www.esd.lv/index.php?lang=en</a>
Telecommunications Regulatory Authority	TRA	Lebanon	<a href="http://www.tra.org.lb/">http://www.tra.org.lb/</a>
Lesotho Communications Authority	LCA	Lesotho	<a href="http://www.lca.org.ls/">http://www.lca.org.ls/</a>
Liberia Telecommunications Authority	LTA	Liberia	<a href="http://www.lta.gov.lr/">http://www.lta.gov.lr/</a>
General Telecommunications Authority	GTA	Libya	<a href="http://www.gta.ly/">http://www.gta.ly/</a>
Institut luxembourgeois de régulation	ILR	Luxembourg	<a href="http://www.ilr.public.lu/">http://www.ilr.public.lu/</a>
Bureau of Telecommunications Regulation	DSRT	Macau	<a href="http://www.gdtti.gov.mo/eng/News/index.html">http://www.gdtti.gov.mo/eng/News/index.html</a>
Office Malagasy d'études et de Regulation des Telecommunications	OMERT	Madagascar	<a href="http://www.omert.mg/">http://www.omert.mg/</a>
Communications Regulatory Authority	MACRA	Malawi	<a href="http://www.macra.org.mw/">http://www.macra.org.mw/</a>
Malaysian Communications & Multimedia Commission	MCMC	Malaysia	<a href="http://www.skmm.gov.my/">http://www.skmm.gov.my/</a>
Ministere de la Communication et des TIC	MTCMTL	Mali	
Malta Communications Authority	MCA	Malta	<a href="http://www.mca.org.mt/">http://www.mca.org.mt/</a>
Autorite de Regulation	ARE	Mauritania	<a href="http://www.are.mr/">http://www.are.mr/</a>
Information and Communication Technologies Authority	ICTA	Mauritius	<a href="http://www.icta.mu/home/">http://www.icta.mu/home/</a>
Federal Telecommunications Commission	COFETEL	Mexico	<a href="http://www.cft.gob.mx/wb/Cofetel_2008/idioma">http://www.cft.gob.mx/wb/Cofetel_2008/idioma</a>
National Regulatory Agency for Electronic Communications and Information Technolog	ANRCETI	Moldova	<a href="http://en.anrceti.md/front">http://en.anrceti.md/front</a>
L'Agence Nationale de Réglementation des Télécommunications	ANRT	Morocco	<a href="http://www.anrt.net.ma/">http://www.anrt.net.ma/</a>
Instituto Nacional das Comunicacoes de Mozambique	INCM	Mozambique	<a href="http://www.incm.gov.mz/">http://www.incm.gov.mz/</a>
Namibian Communications Commission	NCC	Namibia	<a href="http://www.ncc.org.na/">http://www.ncc.org.na/</a>
Nepal Telecommunications Authority	NTA	Nepal	<a href="http://www.nta.gov.np/en/">http://www.nta.gov.np/en/</a>
Onafhankelijke Post en Telecommunicatie Autoriteit	OPTA	Netherlands	<a href="http://www.opta.nl/nl/">http://www.opta.nl/nl/</a>
Commerce Commission of New Zealand	ComCom	New Zealand	<a href="http://www.comcom.govt.nz/">http://www.comcom.govt.nz/</a>
L'Autorite de Regulation Multisectorielle	ARM	Niger	<a href="http://www.arm-niger.org/">http://www.arm-niger.org/</a>

Nigerian Communications Commission	NCC	Nigeria	<a href="http://www.ncc.gov.ng/">http://www.ncc.gov.ng/</a>
Norwegian Post & Telecom Authority	NPT	Norway	<a href="http://www.npt.no/">http://www.npt.no/</a>
Pakistan Telecommunication Authority	PTA	Pakistan	<a href="http://pta.gov.pk/">http://pta.gov.pk/</a>
Papua New Guinea Radiocommunication & Telecommunication Technical Authority	PANGTEL	Papau New Guinea	<a href="http://www.pangtel.gov.pg/">http://www.pangtel.gov.pg/</a>
Organismo Supervisor de Inversión Privada en Telecomunicaciones	OSIPTEL	Peru	<a href="http://www.osiptel.gob.pe/WebSiteAjax/">http://www.osiptel.gob.pe/WebSiteAjax/</a>
National Telecommunications Commission	NTC	Philippines	Website currently not available. Parent organization website: <a href="http://www.cict.gov.ph/">http://www.cict.gov.ph/</a>
Prezes Urz du Komunikacji Elektronicznej	UKE	Poland	<a href="http://www.uke.gov.pl/uke/index.jsp?">http://www.uke.gov.pl/uke/index.jsp?</a>
Autoridade Nacional de Comunicações	ANACOM	Portugal	<a href="http://www.anacom.pt/">http://www.anacom.pt/</a>
National Authority for Management & Regulation in Communications of Romania	ANCOM	Romania	<a href="http://www.anrcti.ro/index.aspx">http://www.anrcti.ro/index.aspx</a>
Ministry for Communications & Informatization of the Russian Federation	Minsvyaz	Russia	<a href="http://www.minsvyaz.ru/">http://www.minsvyaz.ru/</a>
Regulatory Agency for Public Utility Services of Rwanda	RURA	Rwanda	<a href="http://www.rura.gov.rw/">http://www.rura.gov.rw/</a>
Communications & Information Technology Commission	CITC	SA	<a href="http://www.citc.gov.sa/english/Pages/default.aspx">http://www.citc.gov.sa/english/Pages/default.aspx</a>
ART/Sénégal	ARTP	Senegal	<a href="http://www.artp-senegal.org/">http://www.artp-senegal.org/</a>
Republic Agency for Electronic Communication	RATL	Serbia	<a href="http://www.ratel.rs/home.136.html">http://www.ratel.rs/home.136.html</a>
Ministry of Information Technology and Communication	MISD	Seychelles	<a href="http://www.misd.gov.sc/">http://www.misd.gov.sc/</a>
National Telecommunications Commission	NATCOM	Sierra Leone	<a href="http://www.natcomsl.com/natcom/natcom6.htm">http://www.natcomsl.com/natcom/natcom6.htm</a>
Infocomm Development Authority of Singapore	IDA	Singapore	<a href="http://www.ida.gov.sg/home/index.aspx">http://www.ida.gov.sg/home/index.aspx</a>
Ministry of Posts & Communication	MPC	Somalia	<a href="http://www.mopc.somaligov.net/">http://www.mopc.somaligov.net/</a>
Independent Communications Authority of South Africa	CASA	S. Africa	<a href="http://www.icasa.org.za/">http://www.icasa.org.za/</a>
Telecommunications Regulatory Commission of Sri Lanka	TRC	Sri Lanka	<a href="http://www.trc.gov.lk/">http://www.trc.gov.lk/</a>
National Telecommunications Corporation	NTC	Sudan	<a href="http://www.ntc.gov.sd/">http://www.ntc.gov.sd/</a>
Swaziland Posts and Telecommunications Corporation	SPTC	Swaziland	<a href="http://www.sptc.co.sz/">http://www.sptc.co.sz/</a>
National Communications Commission	NCC	Taiwan	<a href="http://www.ncc.gov.tw/english/">http://www.ncc.gov.tw/english/</a>
Tanzania Communications Regulatory Authority	TCRA	Tanzania	<a href="http://www.tcra.go.tz/">http://www.tcra.go.tz/</a>
National Telecommunications Commission	NTC	Thailand	<a href="http://www.ntc.gov.ph/">http://www.ntc.gov.ph/</a>
Autorite de Reglementation des Secteurs de Postes et Telecommunications	ART&P	Togo	<a href="http://www.artp.tg/">http://www.artp.tg/</a>

## Open Data Center Alliance Usage: Regulatory Framework

de l'Instance Nationale des Télécommunications de Tunisie	INTT	Tunisia	<a href="http://www.intt.tn/">http://www.intt.tn/</a>
Information & Communication Technologies Authority	ICTA	Turkey	<a href="http://www.btk.gov.tr/">http://www.btk.gov.tr/</a>
Uganda Communications Commission	UCC	Uganda	<a href="http://www.ucc.co.ug/">http://www.ucc.co.ug/</a>
National Communications Regulating Commission	NCRC	Ukraine	<a href="http://www.nkrz.gov.ua/uk/">http://www.nkrz.gov.ua/uk/</a>
Telecommunications Regulatory Authority	TRA	UAE	<a href="http://www.tra.ae/">http://www.tra.ae/</a>
Ofcom	OFCOM	UK	<a href="http://www.ofcom.org.uk/">http://www.ofcom.org.uk/</a>
Federal Communications Commission	FCC	USA	<a href="http://www.fcc.gov/">http://www.fcc.gov/</a>
Unidad Reguladora de Servicios de Telecomunicaciones	URSEC	Uruguay	<a href="http://www.ursec.gub.uy/">http://www.ursec.gub.uy/</a> (website currently unavailable)
Telecommunications Regulator	Telecom Regulator	Vanatu	<a href="http://www.telecomregulator.gov.vu/">http://www.telecomregulator.gov.vu/</a>
Comisión Nacional de Telecomunicaciones	CONATEL	Venezuela	<a href="http://www.conatel.gob.ve/">http://www.conatel.gob.ve/</a>
Communications Authority	CAZ	Zambia	<a href="http://www.caz.zm/">http://www.caz.zm/</a>
Postal & Telecommunications Regulatory Authority	POTRAZ	Zimbabwe	<a href="http://www.potraz.gov.zw/">http://www.potraz.gov.zw/</a>

<b>Other Regulators</b>			
<b>Regulator or Governing Body</b>	<b>Abbreviation</b>	<b>Country</b>	<b>More Information</b>
Department for Business Innovation and Skills	BIS	UK	<a href="http://www.bis.gov.uk/about">http://www.bis.gov.uk/about</a>
Department for Environment Food and Rural Affairs	DEFRA	UK	<a href="http://www.defra.gov.uk/">http://www.defra.gov.uk/</a>
European code of conduct for ICT		EU	<a href="http://re.jrc.ec.europa.eu/energyefficiency/html/standby_initiative_main.htm">http://re.jrc.ec.europa.eu/energyefficiency/html/standby_initiative_main.htm</a>
Department of Energy	DOE	USA	<a href="http://www.energy.gov/">http://www.energy.gov/</a>
Environment Protection Agency	EPA	USA	<a href="http://www.epa.gov/">http://www.epa.gov/</a>
Federal Energy Regulatory Commission	FERC	USA	<a href="http://www.ferc.gov/">http://www.ferc.gov/</a>
Federal Communications Commission	FCC	USA	<a href="http://www.fcc.gov/">http://www.fcc.gov/</a>
Federal Deposit Insurance Corporation	FDIC	USA	<a href="http://www.fdic.gov/">http://www.fdic.gov/</a>
Federal Financial Institutions Examination Council	FFIEC	USA	<a href="http://www.ffiec.gov/">http://www.ffiec.gov/</a>
Nuclear Regulatory Commission	NRC	USA	<a href="http://www.nrc.gov/">http://www.nrc.gov/</a>
North American Electric Reliability Corporation	NERC	USA	<a href="http://www.nerc.com/">http://www.nerc.com/</a>
Data breach notification laws (for US states)		USA	<a href="http://www.ncsl.org/Default.aspx?TabId=13489">http://www.ncsl.org/Default.aspx?TabId=13489</a>
Belgian Institute for Postal services and Telecommunication	BIPT	Belgium	<a href="http://www.bipt.be/nl/1/Home/Home/Welkom.aspx">http://www.bipt.be/nl/1/Home/Home/Welkom.aspx</a>
Transitory Authority for the Regulation of Posts and Telecommunication	ATRPT	Benin	<a href="http://www.atrpt.bj/">http://www.atrpt.bj/</a>

<b>Regulations, Acts, and Law</b>			
<b>Regulator or Governing Body</b>		<b>Country</b>	<b>More Information</b>
Health Insurance Portability and Accountability Act	HIPAA	USA	<a href="http://en.wikipedia.org/wiki/Health_Insurance_Portability_and_Accountability_Act">http://en.wikipedia.org/wiki/Health_Insurance_Portability_and_Accountability_Act</a>
Data Protection Act	DPA	UK	<a href="http://www.legislation.gov.uk/ukpga/1998/29/contents">http://www.legislation.gov.uk/ukpga/1998/29/contents</a>
Sarbanes-Oxley Act	SOX	USA	<a href="http://en.wikipedia.org/wiki/Sarbanes%E2%80%93Oxley_Act">http://en.wikipedia.org/wiki/Sarbanes%E2%80%93Oxley_Act</a>
Gramm-Leach-Bliley Act	GLBA	USA	<a href="http://business.ftc.gov/legal-resources/46/33">http://business.ftc.gov/legal-resources/46/33</a>
Federal Information Security Management Act	FISMA	USA	<a href="http://csrc.nist.gov/groups/SMA/fisma/index.html">http://csrc.nist.gov/groups/SMA/fisma/index.html</a>
DoD Information Assurance Certification and Accreditation Process	DIACAP	USA	<a href="http://www.usa.gov/Agencies/Federal/Executive/Defense.shtml">http://www.usa.gov/Agencies/Federal/Executive/Defense.shtml</a>
Privacy Act of 1974		USA	<a href="http://en.wikipedia.org/wiki/Privacy_Act_of_1974">http://en.wikipedia.org/wiki/Privacy_Act_of_1974</a>
Electronic Communications Privacy Act	FDIC	USA	<a href="http://en.wikipedia.org/wiki/Electronic_Communications_Privacy_Act">http://en.wikipedia.org/wiki/Electronic_Communications_Privacy_Act</a>
Privacy Act 1988		USA	<a href="http://en.wikipedia.org/wiki/Privacy_Act_1988">http://en.wikipedia.org/wiki/Privacy_Act_1988</a>
Data Protection Directive		EU	<a href="http://en.wikipedia.org/wiki/Data_Protection_Directive">http://en.wikipedia.org/wiki/Data_Protection_Directive</a>



<b>Defacto and Related Industry Standards</b>			
<b>Regulator or Governing Body</b>	<b>Abbreviation</b>	<b>Country</b>	<b>More Information</b>
ISO/IEC 27001:2005	ISO		<a href="http://www.iso.org/iso/catalogue_detail?csnumber=42103">http://www.iso.org/iso/catalogue_detail?csnumber=42103</a>
SAS 70	SAS 70		<a href="http://sas70.com/">http://sas70.com/</a>
The Green Grid		USA	<a href="http://www.thegreengrid.org/">http://www.thegreengrid.org/</a>
COBIT (IT Governance and Control)			<a href="http://www.isaca.org/Knowledge-Center/COBIT/Pages/Overview.aspx">http://www.isaca.org/Knowledge-Center/COBIT/Pages/Overview.aspx</a>
PCI Data Security Standards	PCI DSS		<a href="https://www.pcisecuritystandards.org/security_standards/index.php">https://www.pcisecuritystandards.org/security_standards/index.php</a>
Telecommunications Industry Association	TIA 942		<a href="http://www.tiaonline.org/standards/catalog/search.cfm?standards_criteria=942">http://www.tiaonline.org/standards/catalog/search.cfm?standards_criteria=942</a>
National Institute of Standards and Technology	NIST	USA	<a href="http://www.nist.gov/index.html">http://www.nist.gov/index.html</a>
Cloud Security Alliance	CSA	USA	<a href="https://cloudsecurityalliance.org/">https://cloudsecurityalliance.org/</a>