



Federal Office
for Information Security

Referencing Cloud Computing Compliance Controls Catalogue (C5) to International Standards

Refers to version 1.0 of C5

Version 1.0



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1 Introduction

In the following tables, BSI Cloud Computing Compliance Controls Catalogue (hereafter referred to as “C5”) is mapped to international standards. These references give an overview on which standards the controls of C5 are based. In addition, users of the respective standards can evaluate to which extend they have reached (or exceeded) the security level of the particular control in C5. The indicator (found in column “SL” for “security level”) refers to the corresponding basic requirement (and not to the additional requirement) and shall be interpreted as follows:

- **„0“ (Null):** The corresponding control/requirement/safeguard of the international standard leads to an equivalent security level as the basic requirement of C5 (i.e. being compliant to the particular control of the international standard leads to a security level that is equivalent to the security level of the corresponding basic requirement of C5)
- **„+“ (Plus):** The corresponding control/requirement/safeguard of the international standard leads to a higher security level as the basic requirement of C5 (i.e. being compliant to the particular control of the international standard leads to a security level that exceeds the security level of the corresponding basic requirement of C5)
- **„-“ (Minus):** The corresponding control/requirement/safeguard of the international standard leads to a lower security level as the basic requirement of C5 (i.e. being compliant to the particular control of the international standard leads to a security level that is lower than the security level of the corresponding basic requirement of C5).

As a matter of fact, both the controls of C5 and of international standards are interpreted differently by different users. Therefore, the following tables do not claim to be exhaustive or finally correct in the sense that everybody comes to the same conclusion. They should rather be seen as a tool for cloud providers using such standards to ease the assessment of their security level in comparison to C5. In addition, the following tables are useful during gap analysis done by cloud providers using such standards if they want to become compliant to the basis level of C5.

The following standards are mapped to C5:

- ISO/IEC 27001:2013 (ISO - International Organization for Standardization)
- CSA Cloud Controls Matrix 3.01 (CSA - Cloud Security Alliance)
- AICPA Trust Service Principles Criteria 2014 (AICPA - American Institute of Certified Public Accountants)
- ANSSI Référentiel Secure Cloud 2.0 (Draft) (ANSSI - Agence nationale de la sécurité des systèmes d'information)
- IDW ERS FAIT 5 04.11.2014 (IDW - Institut der Wirtschaftsprüfer; ERS – Entwurf einer Stellungnahme zur Rechnungslegung; FAIT - Fachausschuss für Informationstechnologie)
- BSI IT-Grundschutz 14. Ergänzungslieferung 2014 (german only) (Federal Office for Information Security (BSI))
- BSI SaaS Sicherheitsprofile 2014 (german only) (Federal Office for Information Security (BSI))

2 Framework conditions of the cloud service (surrounding parameters for transparency)

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
UP-01	-	n/a	-	n/a	-		-	n/a	-	n/a	-	n/a	-	n/a
UP-02	-	n/a	-	n/a	-		-	n/a	-	n/a	-	n/a	-	n/a
UP-03	-	n/a	-	n/a	-		-	n/a	-	n/a	-	n/a	-	n/a
UP-04	-	n/a	-	n/a	-		-	n/a	-	n/a	-	n/a	-	n/a

3 References to other standards

3.1 Organisation of information security

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
OIS-01	4.1 - 10.2	+	GRM-03 GRM-04	0	CC1.1 CC1.2 CC3.1 CC3.2 CC4.0	-	5.1 - 6.6	0	-	n/a	BSI-Standard 100-1	+	ISM-01	0
OIS-02	6.2 A.6.1.1	0	GRM-05 GRM-06	0	CC2.2 CC2.3	-	5.3	0	-	n/a	M 2.192	+	-	n/a
OIS-03	A.6.1.1 A.6.1.2	-	BCR-10	-	CC1.1 CC1.2 CC2.2 CC2.3 CC2.6	+	6.1	-	-	n/a	M 2.5 M 2.193 M 2.516	+	ISM-02 M1.01-1	-
OIS-04	A.6.1.2	-	IAM-05	-	CC5.1 CC5.4 CC7.4	-	6.1	-	Tz. 82	-	M 2.5 M 2.169	-	ISM-02	-
OIS-05	A.6.1.3 A.6.1.4	0	SEF-01 AIS-01	+	-	n/a	6.3 6.4	0	-	n/a	M 2.35 M 6.59 M 6.60	0	-	n/a
OIS-06	6.1 8.2 8.3	0	GRM-01	-	CC1.1 CC3.1	0	-	n/a	-	n/a	BSI-Standard 100-3	+	ISM-03 M1.02	0

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014		
	Ref.	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
OIS-07	6.1 8.2 8.3		0	GRM-01 GRM-02 GRM-08 GRM-10 GRM-11	+	CC3.1 CC3.2 CC3.3	0	-	n/a	-	n/a	BSI-Standard 100-3	+	ISM-03 M1.02	0

3.2 Security policies and work instructions

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014		
	Ref.	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
SA-01	A.5.1.1		0	GRM-06	0	CC1.2 CC2.3 CC3.2	-	5.1 5.2 5.3	0	Tz. 78	-	M 2.192 M 2.336 M 2.535 M 2.539	0	ISM-01 M1.01 M1.03-4	0
SA-02	A.5.1.2		0	GRM-08 GRM-09	0	-	n/a	5.4	0	-	n/a	M 2.199 M 2.192	0	ISM-04 M1.02-4	0
SA-03	-		n/a	-	n/a	-	n/a	5.5	0	-	n/a	M 2.39	0	-	n/a

3.3 Personnel

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
HR-01	A.7.1.1	0	HRS-02	0	CC1.3 CC1.4	0	7.1	0	-	n/a	M 3.33 M 3.50 M 3.83	0	HRR-02 M3.01	0
HR-02	A.7.1.2	0	HRS-03	0	CC2.2 CC2.3	0	7.2	0	-	n/a	M 2.226 M 3.2	+	HRR-02	0
HR-03	A.7.2.2	0	HRS-09	0	CC2.2 CC2.3	0	7.3	0	-	n/a	M 2.198 M 2.312 M 2.557 M 3.5 M 3.26 M 3.44 M 3.47 M 3.48 M 3.51 M 3.93 M 3.96	+	HRR-01 M3.03	0
HR-04	A.7.2.3	0	GRM-07	0	CC6.2 CC2.5	0	7.4	0	-	n/a	M 2.39	0	-	n/a
HR-05	A.7.3.1	0	HRS-04	0	CC5.4	0	7.5	0	-	n/a	M 2.226 M 3.6	0	-	n/a

3.4 Asset Management

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
AM-01	A.8.1.1	0	DCS-01 GRM-02 MOS-09	0	-	n/a	8.1	0	-	n/a	M 2.2 M 2.139 M 2.195 M 2.217	0	-	n/a
AM-02	A.8.1.2	0	DCS-01 DSI-06 HRS-07	0	CC2.3	0	8.1	0	-	n/a	M 2.225	0	-	n/a
AM-03	A.8.1.3	0	DCS-01 HRS-03	0	CC2.2 CC2.3	0	8.2	0	-	n/a	M 1.33 M 1.34 M 2.217 M 2.218 M 2.226 M 2.309 M 2.235 M 5.88	+	-	n/a
AM-04	A.8.1.4	0	HRS-01	0	-	n/a	8.3	0	-	n/a	M 3.6 M 2.226	0	-	n/a
AM-05	A.8.2.1	0	DSI-01	0	C1.1 A1.1	0	8.4	0	-	n/a	M 2.195 M 2.217	0	M1.03-3 (1)	0
AM-06	A.8.2.2 A.8.2.3	0	DSI-04	0	-	n/a	8.1	0	-	n/a	M 2.217	-	-	n/a
AM-07	A.8.3.1 A.8.3.2	0	BCR-11 DCS-05	0	-	n/a	8.6	0	Tz. 88	0	M 2.3 M 2.431 M 4.234 B 5.14	+	DSS-08 M1.03-3 (4)	-

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
AM-08	A.11.2.5	0	DCS-04	0	CC5.1 CC5.5 CC5.7	0	11.9	0	-	n/a	M 2.218	0	-	n/a

3.5 Physical security

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
PS-01	A.11.1.1	0	DCS-02	0	-	n/a	11.2	+	-	n/a	M 1.13 M 1.17 M 1.19 M 1.53 M 1.55 M 1.79 B 2.1	+	IFS-01 M1.04	0
PS-02	A.11.1.2 A.11.1.3 A.11.1.6	0	DCS-07 DCS-08 DCS-09	+	CC5.5	0	11.3	+	Tz. 76	-	M 1.12 M 1.13 M 1.78 M 1.80 M 2.6 M 2.16 M 2.17 M 2.31 M 3.6 B 2.1	+	IFS-01 M1.04	0

3 References to other standards

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
PS-03	A.11.1.4	0	BCR-05 BCR-06	0	CC3.1 A1.2	-	11.1	-	-	n/a	M 1.6 M 1.13 M 1.16 M 1.18 M 1.55 M 1.75 B 2.4	+	IFS-02	-
PS-04	A.11.2.1 A 11.2.2 A 11.2.3 A 11.2.4 A 17.2.1	0	BCR-08	0	A1.1 A1.2	-	11.1 11.6 17.2	0	Tz. 90	0	M 1.2 M 1.22 M 1.28 M 1.29 M 1.45 M 1.56 M 2.4 M 5.4 M 5.5 B 2.4	+	IFS-02 NCS-05 BCM-02	-
PS-05	A.11.2.1 A.11.2.4 A.11.2.7	0	BCR-03 BCR-07 DCS-05	+	A1.2 CC5.6 CC7.2	0	8.7 11.7 11.8	+	-	n/a	M 2.4	0	-	n/a

3.6 Safeguards for regular operations

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
RB-01	A.12.1.3	0	IVS-04	0	A1.1	0	-	n/a	-	n/a	M 2.214 M 4.437	0	-	n/a
RB-02	A.12.1.3	-	IVS-04 STA-03	-	A1.1 CC4.1 CC2.2 CC2.3	0	-	n/a	-	n/a	M 2.214	-	UIC-01	0
RB-03	-	n/a	-	n/a	-	n/a	-	n/a	-	n/a	-	n/a	-	n/a
RB-04	A.12.1.3	n/a	IVS-04	n/a	A1.1 CC4.1	-	-	n/a	Tz. 30	-	M 2.214	-	UIC-02 M2.02-2 (2)	-
RB-05	A.12.2.1	-	TVM-01	-	CC5.8	-	12.4	-	-	n/a	M 2.9 M 2.35 M 2.154 M 2.518 M 4.442 M 6.23 B 1.8	0	AES-02 M1.04	0
RB-06	A.12.3.1	-	BCR-11	0	A1.2 A1.3 PI1.1	-	12.5	0	Tz. 78 Tz. 79 Tz. 87	-	M 6.30 M 6.32 M 6.41 M 6.152 B 1.4	0	DSS-05 DSS-06 M1.03-3 (3)	0

3 References to other standards

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
RB-07	A.12.3.1	-	BCR-11	-	A1.2 A1.3	-	12.5	0	-	n/a	M 4.430 M 4.443 M 6.30 M 6.32 M 6.41 B 1.4	0	DSS-05 DSS-06 M1.03-3 (3)	-
RB-08	A.12.3.1	0	BCR-11	-	A1.3	-	12.5	0	-	n/a	M 6.41 B 1.4	0	DSS-05 DSS-07 M1.03-3 (3)	-
RB-09	A.12.3.1	-	BCR-05 BCR-11	-	A1.2	-	12.5	0	-	n/a	M 6.20 B 1.4	0	-	n/a
RB-10	A.12.4.1 A.12.4.2 A.12.4.3	0	IVS-01	0	CC6.1 CC6.2	-	12.6 12.7 12.9	0	Tz. 97	+	M 2.64 M 2.110 M 2.133 M 2.497 M 2.499 M 2.500 M 4.81 M 4.430 M 4.443 M 5.9 B 5.22	0	SIM-01 M1.03	-
RB-11	A.12.4.1 A.12.4.2 A.12.4.3	-	IVS-01	-	CC4.1 CC6.1 CC6.2	-	12.6 12.7 12.9	-	-	n/a	M 2.64 M 2.497 M 2.499 M 2.500 M 4.430 M 4.443 M 5.9 B 5.22	-	SIM-01 M1.03	-

3 References to other standards

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
RB-12	-	n/a	-	n/a	-	n/a	-	n/a	-	n/a	M 4.5 M 4.443 B 5.22	-	-	n/a
RB-13	A.12.4.2	-	IVS-01 IAM-01	-	CC6.2	-	12.6 12.7	0	-	n/a	M 2.64 M 2.110 M 2.133 M 4.34 M 4.93 M 4.135 M 4.440 M 5.171 B 5.22	0	AES-03 AES-08 IDM-06 SIM-01	-
RB-14	-	n/a	IVS-01	0	-	n/a	12.6 12.7	-	-	n/a	M 4.430 M 4.440 M 4.445 B 5.22	0	-	n/a
RB-15	A.9.4.4 A.12.4.2	-	IVS-01	-	-	n/a	12.7	0	-	n/a	M 2.500 M 4.93 M 4.135 B 5.22	0	AES-08 IDM-06 M2.04 (2)	-
RB-16	A.17.2.1	-	-	n/a	-	n/a	12.7	-	-	n/a	M 6.157 M 6.158 B 5.22	0	-	n/a
RB-17	A.12.6.1	0	TVM-02 AIS-01 GRM-10	0	CC6.1 CC7.1	0	12.12	-	Tz. 113	-	M 2.35 M 2.224 M 2.273 M 2.518 M 4.442 M 5.71	0	M1.04 (5)	-

3 References to other standards

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
RB-18	A.13.1.1	-	TVM-02	0	CC3.2	-	12.12	-	Tz. 113	-	M 5.150	0	M2.03 (5)	0
RB-19	A.12.6.1	-	CCC-03 TVM-02	0	CC6.1 CC7.1	0	12.12	-	Tz. 78 Tz. 79	-	B 1.14	0	AES-09 BCM-03 BCM-04	-
RB-20	A.12.6.1	-	CCC-03 TVM-02	0	CC6.1 CC7.1	0	12.12	-	-	n/a	B 1.14	0	-	n/a
RB-21	A.12.1.2 A 12.6.1 A.14.2.2	0	TVM-02	-	CC6.1	-	12.12	-	-	n/a	M 2.34 M 2.35 M 2.62	-	M2.03 (5)	0
RB-22	-	n/a	IVS-07	0	-	n/a	12.12	-	-	n/a	B 3.101	+	-	n/a
RB-23	A.13.1.3	-	IVS-09	0	CC5.6	-	13.3	0	-	n/a	M 2.528 M 4.445 M 5.130 B 3.303	0	AES-04 AES-06 M2.02 (2/3) M2.04 (6)	0

3.7 Identity and access management

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
IDM-01	A.9.1.1	0	IAM-02	+	CC2.1 CC3.2 CC5.2 CC5.4	-	9.1	-	Tz. 82	-	M 2.5 M 2.38 M 2.220 M 2.519 B 5.15	0	IDM-01 IDM-04 M1.01 M1.03 M1.04 M2.01	0
IDM-02	A.9.2.1	0	IAM-09	0	CC5.2 C1.3	0	9.3	0	Tz. 82	-	M 2.8 M 2.30 M 2.31 M 2.220 M 4.13	0	M1.01	-
IDM-03	A.9.2.2	0	IAM-05 IAM-09 IAM-11	-	CC5.2 CC5.4 C1.3	-	9.2 9.3	0	-	n/a	M 2.63 M 2.220 M 3.6	0	IDM-01 IDM-04 M1.01	0
IDM-04	A.9.2.6	0	IAM-11	0	CC5.2 CC5.4	0	-	n/a	-	n/a	M 2.30 M 2.220 M 2.226 M 3.6	0	M1.01	-
IDM-05	A.9.2.5	0	IAM-10	0	CC5.2	-	9.3	0	Tz. 82 Tz. 86	-	M 2.31 M 2.199	0	IDM-02 M1.01	-

3 References to other standards

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
IDM-06	A.6.1.2 A.9.2.3 A.12.4.3	-	IAM-02 IAM-05 IAM-08 IAM-10 IVS-11	-	CC5.2 CC5.4	-	6.1 9.3	-	Tz. 82 Tz. 86	0	M 2.38 M 2.64 M 2.133 M 2.220 M 2.500 M 3.10 M 4.25 M 4.443 B 5.22	+	AES-09 IDM-05 M1.01	-
IDM-07	A.9.2.4	0	IAM-12	0	-	n/a	-	n/a	-	n/a	M 2.11 M 2.22 M 2.402 M 3.5 M 3.26 M 4.7 M 5.34	+	-	n/a
IDM-08	A.9.3.1 A.9.4.2	-	IAM-12	0	CC5.1 CC5.3	-	9.4	0	-	n/a	M 2.220 M 4.15 M 4.133 M 4.441	0	AES-03 M2.02	0
IDM-09	A.9.2.3	-	IAM-13, IAM-02	-	CC5.4	-	9.5	-	-	n/a	M 2.380 M 5.34 B 1.3	-	IDM-05	-
IDM-10	A.9.4.1	0	AIS-01 AIS-03 AIS-04	+	CC5.1 CC5.3 CC5.6 PI1.6 C1.2 C1.3	-	9.1 9.2 9.3	0	-	n/a	M 2.8 M 4.30 M 4.42	0	AES-03 M2.02	0

3 References to other standards

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
IDM-11	A.9.4.3	-	IAM-12	-	CC5.1 CC5.6	-	9.4 10.4	0	-	n/a	M 2.11 M 4.1 M 4.15 M 4.48 M 4.133	0	M1.04-3	-
IDM-12	A.9.4.4	-	IAM-13 IVS-11	0	CC5.6	-	9.5	0	-	n/a	M 4.135 M 4.441 M 6.151	0	M2.04	0
IDM-13	A.9.4.5	0	IAM-05 IAM-06	0	CC5.1 CC5.6 PI1.6 C1.2 C1.3	-	9.6	0	-	n/a	M 2.9 M 2.62 M 2.378 M 4.135	0	M1.04	-

3.8 Cryptography and key management

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
KRY-01	A.10.1.1 A.10.1.2 A.13.2.1 A.13.2.2 A.18.1.5	0	EKM-01 EKM-02 EKM-03 EKM-04	-	CC5.6 CC5.7	0	5.3 8.7 10.6	0	Tz. 83 Tz. 84	-	M 2.46 M 2.161 M 2.163 M 2.164 M 2.393 M 4.459 B 1.7	+	-	n/a
KRY-02	A.10.1.1 A.10.1.2 A.13.1.1 A.13.2.3 A.14.1.2 A.14.1.3 A.18.1.5	0	EKM-03	0	CC5.6 CC5.7	0	6.6 10.3	0	Tz. 82	-	M 2.164 M 2.205 M 5.88 M 5.68 M 5.108 B 1.7	+	PKI-01 PKI-03 M2.03	0
KRY-03	A.10.1.1 A.10.1.2 A.18.1.4	0	EKM-03	0	CC5.6 CC5.7	0	10.1 12.5	0	Tz. 82	-	M 2.161 M 2.164 M 2.205 M 4.440 B 1.7	0	PKI-02 PKI-03 M1.03-3 (2)	0
KRY-04	A.10.1.2	-	EKM-01 EKM-02	-	CC5.6 CC5.7	0	8.7 10.6	-	Tz. 59 Tz. 84	-	M 2.46 M 2.164 B 1.7	0	DSS-04 PKI-04	-

3.9 Communication security

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
KOS-01	A.13.1.1 A.13.1.2	-	IVS-01 IVS-13	0	CC6.2 CC5.1 CC5.6	-	13.4	0	-	n/a	M 5.7 M 5.71 B 4.1	0	AES-02 M2.03 M2.04	0
KOS-02	A.13.1.1 A.13.1.2 A.13.2.1	-	IVS-06	0	CC5.6	-	13.4	0	Tz. 85	-	M 2.279 M 2.393 M 4.81 M 4.82 M 5.9	0	AES-06 NCS-01	-
KOS-03	A.13.1.3	-	IVS-06	-	CC5.6 A1.2	-	-	n/a	-	-	M 2.518 M 4.439 M 5.174	0	-	n/a
KOS-04	A.13.1.3	-	IVS-10 IVS-11	0	CC5.6	-	13.3	-	Tz. 85	-	M 5.154	0	AES-04 NCS-01 NCS-02 M2.04	0
KOS-05	A.13.1.3	0	IVS-09 IVS-10	0	CC5.6	-	13.3	0	-	n/a	M 4.82 M 4.394 M 4.445 M 4.449 M 5.13 M 5.61 M 5.62 M 5.77 M 5.154	+	AES-04 AES-06 NCS-01 NCS-02 M2.02-2 M2.04 (6)	0
KOS-06	-	n/a	IVS-13	0	-	n/a	13.2	0	-	n/a	B 4.1	-	-	n/a

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014					
	Ref.	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL			
KOS-07	A.13.2.1 A.13.2.2 A.13.2.3 A.14.1.1		0	DSI-02 HRS-03 EKM-03 STA-05	0	CC5.7 CC5.6 C1.4 C1.5		0	13.1		0	-	n/a	M 2.45 M 2.393 M 5.88		0	-	n/a
KOS-08	A.7.1.2 A.13.2.4		0	HRS-06 HRS-03 STA-05	0	CC2.2 CC2.3 C1.4 C1.5 C1.6		0	13.5 15.5		0	-	n/a	M 2.226 M 3.2 M 3.55		0	-	n/a

3.10 Portability and interoperability

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014		
	Ref.	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
PI-01	-		n/a	IPY-01 IPY-95	0	-	n/a	-	n/a	Tz. 95 Tz. 107	0	M 4.461	0	PIM-01 PIM-03	0
PI-02	A.11.2.5		-	IPY-02	0	-	n/a	6.1 j)	0	Tz. 106 Tz. 115 Tz. 116 Tz. 117 Tz. 118	0	M 2.307	0	PIM-02	0

3 References to other standards

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
PI-03	A.13.2.1 A.13.2.2	-	IPY-03	0	-	n/a	-	n/a	Tz. 95 Tz. 106 Tz. 115 Tz. 116	0	M 4.461 M 5.88	0	-	n/a
PI-04	A.13.1.1 A.13.1.2 A.13.2.3 A.14.1.2 A.14.1.3	0	IPY-04	0	CC5.7 C1.2	-	13.1 13.2 13.3 13.4 13.5	0	-	n/a	M 2.162 M 2.164 M 2.393 M 2.537 M 2.539 M 2.542 M 5.88	+	AES-01 PKI-02	0
PI-05	A.11.2.7	0	DSI-07	0	CC5.7 C1.2	-	11.10	0	-	n/a	M 4.32	0	M1.03-3	0

3.11 Procurement, development and maintenance of information systems

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
BEI-01	A.14.1.1 A.14.1.2 A.14.2.1 A.14.2.5 A.12.1.4	0	CCC-01 GRM-01 AIS-01	0	CC7.1 CC7.2 CC7.4	0	14.1 14.4	0	Tz. 78 Tz. 79 Tz. 87 Tz. 92 Tz. 93	-	M 2.62 M 2.66 M 2.80 M 2.162 M 2.164 M 2.487 M 2.546 M 4.94 B 1.9 B 1.10	0	AES-09 AES-11 AES-12	0
BEI-02	A.14.2.7	0	CCC-02	0	CC7.1 CC7.4	-	14.1 14.3	0	Tz. 92 Tz. 93	-	M 2.251 M 2.252 M 2.253 M 2.254 M 2.256 B 1.11	+	-	n/a
BEI-03	A.14.2.2	0	CCC-05	0	CC7.4	0	14.4	0	Tz. 87	0	M 2.9 M 2.34 M 2.62 M 2.221 M 2.421 M 2.422 M 2.423 B 1.14	+	AES-09	-

3 References to other standards

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
BEI-04	A.14.2.2	0	CCC-05	-	CC7.2 CC7.4	0	14.4	-	-	n/a	M 2.34 M 2.221 M 2.422 B 1.14	0	-	n/a
BEI-05	A.14.2.2	-	CCC-05	-	CC7.4	-	14.4	-	-	n/a	M 2.62 M 2.221 B 1.14	0	-	n/a
BEI-06	A.14.2.2	-	CCC-05	-	CC7.4	-	14.4	-	-	n/a	M 2.34 M 2.427 B 1.14	0	-	n/a
BEI-07	A.12.1.2 A.14.2.2 A.14.2.8 A.14.2.9	-	CCC-03 CCC-05	+	CC7.1 CC7.4	0	14.4 14.7	0	Tz. 58	-	M 2.62 M 2.487 M 4.65 B 1.14	0	AES-08 AES-11	-
BEI-08	A.12.1.2	-	-	n/a	CC7.4	0	-	n/a	-	n/a	M 2.221 M 2.429 M 4.65 B 1.14	0	-	n/a
BEI-09	A.12.1.2 A.14.2.2	0	CCC-05	0	CC7.4	0	14.4	0	-	n/a	M 2.429 M 4.65 B 1.14	0	AES-08	-
BEI-10	A.12.1.2	-	-	n/a	-	n/a	-	n/a	-	n/a	B 1.3 B 1.14	0	-	n/a
BEI-11	A.14.3.1 A.14.2.6	0	DSI-05 IVS-08	0	C1.1 C1.3 CC5.6 CC7.4	0	14.2 14.4 14.8	0	-	n/a	M 2.83 M 2.221 M 2.487	0	AES-07	0

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
BEI-12	A.6.1.2	0	IAM-05	0	CC5.1 CC5.4 CC7.4	0	6.1 d)	-	-	n/a	M 2.422 M 2.423	0	AES-08	-

3.12 Control and monitoring of service providers and suppliers

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
DLL-01	A.15.1.1 A.15.1.2 A.15.1.3	0	STA-04 STA-05 STA-09	+	CC2.2 CC2.3 C1.4 C1.5	0	15.2 15.5	0	Tz. 81	-	M 2.4 M 2.251 M 2.253 M 2.254 M 2.356 M 2.516 M 2.539	0	-	n/a
DLL-02	A.15.2.1	0	STA-02 STA-04 STA-07 STA-08	0	-	n/a	15.3 15.4	0	Tz. 81 Tz. 89 Tz. 112	-	M 2.256	0	SCM-01	-

3.13 Security incident management

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
SIM-01	A.16.1.1 A.16.1.4 A.16.1.5	0	SEF-01 SEF-02 SEF-03 SEF-05	0	CC3.3 CC6.2	0	16.1 16.3 16.5	0	-	n/a	M 6.58 M 6.59 M 6.60 M 6.61 M 6.62 M 6.121 M 6.122 M 6.126 B 1.8	+	SIM-02	0
SIM-02	A.16.1.1 A.15.2.2	-	DSI-01	-	C1.4 C1.5	-	16.1	-	-	n/a	M 6.58 B 1.8	0	SIM-01 M1.03-3 M2.05	-
SIM-03	A.16.1.1 A.6.1.3 A.6.1.4	0	SEF-01 SEF-03	0	CC1.3 CC2.4	-	16.1 6.3 6.4	0	-	n/a	M 6.59 M 6.128 M 6.129 B 1.8	0	SIM-03 SIM-04 M2.05-1	0
SIM-04	A.16.1.1 A.16.1.7	0	SEF-03 SEF-04 STA-02	0	CC2.5 CC6.2	0	16.1 16.7	0	-	n/a	M 6.60 M 6.65 M 6.134 B 1.8	0	SIM-04	0
SIM-05	A.12.4.1 A.16.1.2	0	AIS-04 IVS-06 SEF-02	-	CC6.1	-	12.6 16.1	0	-	n/a	M 6.67 M 6.122 M 6.125 M 6.130 B 1.8	0	SIM-03 M2.05-2	0

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014		
	Ref.	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
SIM-06	A.16.1.2 A.16.1.3		0	SEF-03	0	CC2.3 CC2.5	-	16.1 16.4	0	-	n/a	M 6.60 M 6.65 M 6.125 M 6.130 B 1.8	0	-	n/a
SIM-07	A.16.1.6		0	SEF-04 SEF-05	0	CC4.1 CC6.1 CC6.2	0	16.6	0	-	n/a	M 6.66 M 6.134 B 1.8	0	-	n/a

3.14 Business continuity management

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014		
	Ref.	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
BCM-01	A.17.1.1		-	BCR-09	0	CC3.1 A1.2 A1.3	0	17.1	-	Tz. 78 Tz. 79	-	M 6.110 M 6.111 M 6.112 M 6.113 M 6.114 M 6.155 B 1.3	0	BCM-01 M1.04 (4)	-

3 References to other standards

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
BCM-02	A.17.1.1	-	BCR-09	0	CC3.1 A1.2 A1.3	0	17.1	-	Tz. 78 Tz. 79	-	M 6.110 M 6.111 M 6.112 M 6.113 M 6.114 M 6.155 B 1.3	0	BCM-01 M1.04 (4)	-
BCM-03	A.17.1.2	-	BCR-01	0	A1.2	-	17.2	-	Tz. 80	-	M 6.110 M 6.111 M 6.112 M 6.113 M 6.114 M 6.118 B 1.3	0	BCM-01 BCM-03	-
BCM-04	A.17.1.3	0	BCR-02 BCR-03	0	A1.1 A1.2 A1.3 CC3.2	0	17.3	0	Tz. 80	-	M 6.117 M 6.118 M 6.120 B 1.3	0	BCM-01	-
BCM-05	A.11.2.1 A.11.2.2 A.11.2.3 A.11.2.4 A.17.2.1	0	BCR-03 BCR-07	0	A1.1 A1.2 A1.3	0	17.4	0	-	n/a	B 1.3 B 2.9	+	BCM-02 M2.04 (7)	-

3.15 Security check and verification

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
SPN-01	18.2.2	0	GRM-05	-	CC6.2 CC7.3	0	-	n/a	-	n/a	M 2.199	0	-	n/a
SPN-02	9.2 9.3 A.18.2.2	0	GRM-03 GRM-05	+	CC1.2	0	18.3	0	Tz. 110 Tz. 111	-	M 3.2 M 2.199	0	SCM-01 SCM-02	0
SPN-03	A.18.2.3	0	GRM-01 GRM-04	0	CC3.3 CC1.2	0	18.4	0	Tz. 110 Tz. 111	-	M 2.199 M 2.200	0	SCM-01 SCM-02	0

3.16 Compliance and data protection

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
COM-01	A.18.1.1 A.18.1.4	0	AAC-03	0	CC3.1	0	18.1	0	-	n/a	M 2.340 M 3.2	0	-	n/a
COM-02	A.12.7.1	0	AAC-01	0	CC4.1	0	18.1 18.2	0	-	n/a	M 2.64 M 2.199 M 4.81 M 2.544	0	-	n/a
COM-03	A.18.2.1 A.18.2.2 A.18.2.3	0	AAC-02	0	CC4.1	0	18.1	0	Tz. 112	-	M 2.199 M 2.200 M 2.544	0	SCM-02 SCM-03	0

3.17 Mobile Device Management

Basic requirement	ISO/IEC 27001:2013		CSA Cloud Controls Matrix 3.01		AICPA - Trust Services Principles Criteria 2014		ANSSI Référentiel Secure Cloud 2.0 (Draft)		IDW ERS FAIT 5 04.11.2014		BSI IT-Grundschutz 14. EL 2014		BSI SaaS Sicherheitsprofile 2014	
	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL	Ref.	SL
MDM-01	A.6.2.1 A.6.2.2 A.8.3.1 A.8.3.2 A.8.3.3	0	HRS-05 MOS-02 MOS-03 MOS-04 MOS-09 MOS-10 MOS-11 MOS-12 MOS-15 MOS-16 MOS-17 MOS-18	+	CC5.6 CC5.8	-	-	n/a	-	n/a	M 2.303 M 2.304 M 4.467 M 4.468 M 2.305 M 4.231 M 5.121 M 2.558 M 4.228 M 4.229 M 4.230 M 4.466 M 5.176	+	DSS-09	-