

Campus WLAN CP v3.0

Requirements Mapping to NIST SP 800-53 Security Controls

Most of the requirements in this Capability Package support the implementation of security controls specified in the National Institute of Standards and Technology (NIST) SP 800-53 Revision 5. This appendix is provided for customers who must demonstrate implementation of a set of NIST SP 800-53 security controls as part of their Risk Management Framework (formerly known as the C&A) process for a system incorporating a Campus WLAN solution that complies with this Capability Package.

Note that the presence of a mapping between a requirement and a NIST SP 800-53 security control does not necessarily indicate that the requirement is, by itself, sufficient to fully address the security control. Instead, it indicates that implementation of the requirement provides some degree of support to implementation of the security control. Additional work outside the scope of this Capability Package may be needed for the overall system to implement the security control.

The security controls mapping for SP 800-53 is the same for CNSSI 1253 and does not represent a High Water Mark (HWM) since that concept does not apply to National Security Systems (NSS.) Security controls selected under CNSSI 1253 will be tailored according to the individual impact levels for confidentiality, integrity, and availability and adjusted per Appendix J of CNSSI 1253.

Table 1. Mappings to CNSSI 1253 / NIST SP 800-53 Security Controls

Requirement	CNSSI-1253	NIST SP 800-53 Revision 5 Security Controls
WLAN-PS-1	SA-4(6)(7)	SA-4(6)(7)
WLAN-PS-2	SA-4(6)(7)	SA-4(6)(7)
WLAN-PS-3	SA-4(6)(7)	SA-4(6)(7)
WLAN-PS-4	SA-4(6)(7)	SA-4(6)(7)
WLAN-PS-5	SA-4(6)(7)	SA-4(6)(7)
WLAN-PS-6	SA-4(6)(7)	SA-4(6)(7)
WLAN-PS-7	SA-4(6)(7)	SA-4(6)(7)
WLAN-PS-8	MA-6, RA-9	MA-6, RA-9
WLAN-PS-9	SC-3	SC-3
WLAN-PS-10	MA-6, RA-9	MA-6, RA-9
WLAN-PS-11	MA-6, RA-9	MA-6, RA-9
WLAN-PS-12	MA-6, RA-9	MA-6, RA-9
WLAN-PS-13	SA-9(1), SA-8, SR-6, RA-3 (2)	SA-9(1), SA-8, SR-6, RA-3 (2)
WLAN-PS-14	SA-4(7)	SA-4(7)
WLAN-PS-15	SR-5(2)	SR-5(2)
WLAN-PS-16	CM-6, SA-4(7)	CM-6, SA-4(7)
WLAN-SR-1	AC-2	AC-2
WLAN-SR-2	SC-45 (1)	SC-45 (1)
WLAN-SR-3	SC-45 (1)	SC-45 (1)
WLAN-SR-4	CM-7	CM-7
WLAN-SR-5	SI-3	SI-3
WLAN-SR-6	AC-4, CM-6, CM-9	AC-4, CM-6, CM-9

Requirement	CNSSI-1253	NIST SP 800-53 Revision 5 Security Controls
WLAN-SR-7	IA-5(1)	IA-5(1)
WLAN-SR-8	IA-3, IA-5	IA-3, IA-5
WLAN-SR-9	AC-4, SC-7 (21), SC-8	AC-4, SC-7 (21), SC-8
WLAN-SR-10	AC-4, SC-7 (21), SC-8	AC-4, SC-7 (21), SC-8
WLAN-SR-11	AC-4, AC-6, SC-2, SC-7, MA-4 (4)	AC-4, AC-6, SC-2, SC-7, MA-4 (4)
WLAN-SR-12	CM-6, CM-7	CM-6, CM-7
WLAN-SR-13	CM-6, CM-7, SC-22	CM-6, CM-7, SC-22
WLAN-SR-14	CM-6, CM-7	CM-6, CM-7
WLAN-EU-1	AC-5, AC-6(1)(3)(5), AC-18(1)(4)	AC-5, AC-6(1)(3)(5), AC-18(1)(4)
WLAN-EU-2	AC-2(7)(a), AC-3(7), AC-5, AC-6(1)(3)(5), AC-18(1)(4), IA-2(1)	AC-2(7)(a), AC-3(7), AC-5, AC-6(1)(3)(5), AC-18(1)(4), IA-2(1)
WLAN-EU-3	CM-7(5)	CM-7(5)
WLAN-EU-4	CM-11(2)	CM-11(2)
WLAN-EU-5	AC-2	AC-2
WLAN-EU-6	AC-7, AC-7 (2)	AC-7, AC-7 (2)
WLAN-EU-7	SC-13, SC-17	SC-13, SC-17
WLAN-EU-8	SC-13, SC-17	SC-13, SC-17
WLAN-EU-9	IR-8	IR-8
WLAN-EU-10	IR-8	IR-8
WLAN-EU-11	AC-2, AC-3, IA-2, IA-11	AC-2, AC-3, IA-2, IA-11
WLAN-EU-12	AC-2, AC-3, IA-2, IA-11	AC-2, AC-3, IA-2, IA-11
WLAN-EU-13	AC-11, IA-11	AC-11, IA-11
WLAN-EU-14	PL-4, PS-6	PL-4, PS-6
WLAN-EU-15	AC-18, PL-4	AC-18, PL-4
WLAN-EU-16	PS-6, PE-18(1), PE-19, PE-20, SC-43, AT-2, AT-4, PS-3(1)(2), AC-2, IA-12 (1), PL-4	PS-6, PE-18(1), PE-19, PE-20, SC-43, AT-2, AT-4, PS-3(1)(2), AC-2, IA-12 (1), PL-4
WLAN-EU-17	SC-43, SC-7, AC-19(4)	SC-43, SC-7, AC-19(4)
WLAN-EU-18	SC-42(2)	SC-42(2)
WLAN-EU-19	SC-42	SC-42
WLAN-EU-20	CM-6	CM-6
WLAN-EU-21	SC-42	SC-42
WLAN-EU-22	MP-6	MP-6
WLAN-EU-23	IA-5(1)	IA-5(1)
WLAN-EU-24	SC-28	SC-28
WLAN-EU-25	<i>withdrawn</i>	<i>withdrawn</i>
WLAN-EU-26	<i>withdrawn</i>	<i>withdrawn</i>
WLAN-EU-27	IA-5(1)	IA-5(1)
WLAN-EU-28	AC-11	AC-11
WLAN-EU-29	AC-2(6)	AC-2(6)
WLAN-EU-30	IA-5	IA-5
WLAN-EU-31	IA-5	IA-5
WLAN-EU-32	AC-11(1)	AC-11(1)
WLAN-EU-33	MP-7, CM-6	MP-7, CM-6
WLAN-EU-34	MP-7, CM-6	MP-7, CM-6
WLAN-EU-35	SI-7(15)	SI-7(15)
WLAN-EU-36	AC-18	AC-18
WLAN-EU-37	AC-18	AC-18

Requirement	CNSSI-1253	NIST SP 800-53 Revision 5 Security Controls
WLAN-EU-38	AC-18	AC-18
WLAN-EU-39	CM-7(5)	CM-7(5)
WLAN-EU-40	AC-19	AC-19
WLAN-EU-41	SR-9	SR-9
WLAN-EU-42	SI-7 (10)	SI-7 (10)
WLAN-EU-43	IA-5 (1)	IA-5 (1)
WLAN-EU-44	IA-5 (1)	IA-5 (1)
WLAN-EU-45	SI-7 (9), SI-7 (10)	SI-7 (9), SI-7 (10)
WLAN-EU-46	SI-7 (9), SI-7 (10)	SI-7 (9), SI-7 (10)
WLAN-VZ-1	AC-6 (4), SC-29 (1)	AC-6 (4), SC-29 (1)
WLAN-VZ-2	SC-28 (3)	SC-28 (3)
WLAN-VZ-3	SI-7 (5)	SI-7 (5)
WLAN-VZ-4	AC-6 (4), SC-39	AC-6 (4), SC-39
WLAN-VZ-5	AC-6 (4), SC-2	AC-6 (4), SC-2
WLAN-VZ-6	SC-7 (21)	SC-7 (21)
WLAN-VZ-7	AC-6 (4), SC-39	AC-6 (4), SC-39
WLAN-VZ-8	SC-12	SC-12
WLAN-VZ-9	SC-12	SC-12
WLAN-VZ-10	SI-12 (3), SR-12	SI-12 (3), SR-12
WLAN-VZ-11	SC-28	SC-28
WLAN-VZ-12	SC-12, SC-17	SC-12, SC-17
WLAN-VZ-13	SC-12, SC-17	SC-12, SC-17
WLAN-VZ-14	IA-5 (1)	IA-5 (1)
WLAN-VZ-15	AC-6, SC-2	AC-6, SC-2
WLAN-VZ-16	AC-8	AC-8
WLAN-VZ-17	AC-3 (3)	AC-3 (3)
WLAN-VZ-18	IA-5 (1h)	IA-5 (1h)
WLAN-VZ-19	AU-6 (4), SI-4 (2)	AU-6 (4), SI-4 (2)
WLAN-VZ-20	AC-6 (1), CM-5, CM-6, SC-2	AC-6 (1), CM-5, CM-6, SC-2
WLAN-VZ-21	CM-5, SC-2	CM-5, SC-2
WLAN-VZ-22	CM-5, SC-2	CM-5, SC-2
WLAN-VZ-23	AC-3	AC-3
WLAN-VZ-24	SC-28 (1)	SC-28 (1)
WLAN-WC-1	CM-6	CM-6
WLAN-WC-2	AC-18(1), SC-12	AC-18(1), SC-12
WLAN-WC-3	IA-5(2)	IA-5(2)
WLAN-WC-4	IA-5(2)	IA-5(2)
WLAN-WC-5	AC-18(1)	AC-18(1)
WLAN-WC-6	SC-17	SC-17
WLAN-WC-7	IA-5	IA-5
WLAN-WC-8	CM-6	CM-6
WLAN-WC-9	CM-6	CM-6
WLAN-WC-10	AC-18	AC-18
WLAN-WC-11	SC-17	SC-17
WLAN-WC-12	SC-17	SC-17
WLAN-WC-13	CM-6, SC-43	CM-6, SC-43

Requirement	CNSSI-1253	NIST SP 800-53 Revision 5 Security Controls
WLAN-WL-1	SC-13	SC-13
WLAN-WL-2	SC-13	SC-13
WLAN-WL-3	SC-13	SC-13
WLAN-WL-4	SC-8(1)	SC-8(1)
WLAN-WL-5	SC-13, CM-3, CM-6	SC-13, CM-3, CM-6
WLAN-WL-6	SC-13	SC-13
WLAN-CR-1	SC-13	SC-13
WLAN-CR-2	SC-17, IA-5(5)	SC-17, IA-5(5)
WLAN-CR-3	IA-5(5)	IA-5(5)
WLAN-CR-4	SC-13	SC-13
WLAN-CR-5	SC-13	SC-13
WLAN-CR-6	SC-13	SC-13
WLAN-CR-7	SC-13	SC-13
WLAN-CR-8	SC-13	SC-13
WLAN-CR-9	SC-13	SC-13
WLAN-CR-10	SC-12	SC-12
WLAN-CR-11	SC-17	SC-17
WLAN-CR-12	SC-17	SC-17
WLAN-CR-13	AC-17	AC-17
WLAN-CR-14	SC-12	SC-12
WLAN-CR-15	AC-17	AC-17
WLAN-CR-16	SC-13	SC-13
WLAN-WS-1	SC-11, CM-6	SC-11, CM-6
WLAN-WS-2	SC-12	SC-12
WLAN-WS-3	IA-5(2)	IA-5(2)
WLAN-WS-4	SC-17, SC-12	SC-17, SC-12
WLAN-WS-5	SC-7	SC-7
WLAN-WS-6	SC-7	SC-7
WLAN-WS-7	SC-7, SC-7(14), SC-7(21), SC-7(22)	SC-7, SC-7(14), SC-7(21), SC-7(22)
WLAN-IA-1	SC-7	SC-7
WLAN-IA-2	SC-8(1)	SC-8(1)
WLAN-IA-3	SC-13	SC-13
WLAN-IA-4	SC-13	SC-13
WLAN-IA-5	SC-13	SC-13
WLAN-IA-6	SC-12	SC-12
WLAN-IA-7	SC-12	SC-12
WLAN-IA-8	SC-13	SC-13
WLAN-IA-9	SC-12	SC-12
WLAN-IA-10	AC-6(1)	AC-6(1)
WLAN-IA-11	IA-5(1)	IA-5(1)
WLAN-IA-12	SC-13	SC-13
WLAN-AA-1	SC-8(1)	SC-8(1)
WLAN-AA-2	SC-13	SC-13
WLAN-AA-3	SC-13	SC-13
WLAN-AA-4	SC-13	SC-13

Requirement	CNSSI-1253	NIST SP 800-53 Revision 5 Security Controls
WLAN-AA-5	SC-13	SC-13
WLAN-WA-1	IA-5(2)	IA-5(2)
WLAN-WA-2	SC-12	SC-12
WLAN-WA-3	SC-12	SC-12
WLAN-WA-4	IA-5(2)	IA-5(2)
WLAN-WA-5	IA-5(2)	IA-5(2)
WLAN-WA-6	IA-5(14)	IA-5(14)
WLAN-WA-7	<i>withdrawn</i>	<i>withdrawn</i>
WLAN-WA-8	IA-5(2)	IA-5(2)
WLAN-WA-9	SC-23(5)	SC-23(5)
WLAN-WA-10	SC-23(5)	SC-23(5)
WLAN-WA-11	SC-23(5)	SC-23(5)
WLAN-WA-12	AU-2	AU-2
WLAN-WA-13	AU-2	AU-2
WLAN-PF-1	SC-43, CM-7	SC-43, CM-7
WLAN-PF-2	CM-7	CM-7
WLAN-PF-3	SC-7(5)	SC-7(5)
WLAN-PF-4	SC-7(5), CM-7	SC-7(5), CM-7
WLAN-PF-5	CM-7	CM-7
WLAN-PF-6	SC-7(5), CM-7	SC-7(5), CM-7
WLAN-PF-7	CM-2	CM-2
WLAN-PF-8	AC-4(1), SC-7, CA-9	AC-4(1), SC-7, CA-9
WLAN-PF-9	SC-7, CA-9	SC-7, CA-9
WLAN-PF-10	SC-7, CA-9	SC-7, CA-9
WLAN-PF-11	CM-7, SC-7	CM-7, SC-7
WLAN-PF-12	AC-4, SC-7 (5)	AC-4, SC-7 (5)
WLAN-PF-13	AC-4, SC-7	AC-4, SC-7
WLAN-PF-14	CM-7, SC-7	CM-7, SC-7
WLAN-PF-15	AC-4, SC-7	AC-4, SC-7
WLAN-PF-16	AC-4, SC-7	AC-4, SC-7
WLAN-PF-17	CM-7	CM-7
WLAN-PR-1	CM-2, AC-18	CM-2, AC-18
WLAN-PR-2	CM-2, AC-18(5), SC-40(2)	CM-2, AC-18(5), SC-40(2)
WLAN-PR-3	CM-2, AC-18(5), SC-40(2)	CM-2, AC-18(5), SC-40(2)
WLAN-PR-4	SC-7, CM-2	SC-7, CM-2
WLAN-PR-5	AC-18(3)	AC-18(3)
WLAN-PR-6	IA-5	IA-5
WLAN-PR-7	CM-2	CM-2
WLAN-PR-8	CM-7(5)	CM-7(5)
WLAN-PR-9	CM-2	CM-2
WLAN-PR-10	IA-5(1)	IA-5(1)
WLAN-PR-11	CM-2, CM-7(5), CA-6	CM-2, CM-7(5), CA-6
WLAN-DM-1	CM-7, AC-5	CM-7, AC-5
WLAN-DM-2	<i>withdrawn</i>	<i>withdrawn</i>

Requirement	CNSSI-1253	NIST SP 800-53 Revision 5 Security Controls
WLAN-DM-3	SI-3	SI-3
WLAN-DM-4	CM-7	CM-7
WLAN-DM-5	AC-4(2)	AC-4(2)
WLAN-DM-6	AC-6(3), CM-7	AC-6(3), CM-7
WLAN-DM-7	AC-3	AC-3
WLAN-DM-8	SC-13	SC-13
WLAN-DM-9	AT-3, PL-7	AT-3, PL-7
WLAN-DM-10	AU-6(4)	AU-6(4)
WLAN-DM-11	SC-12	SC-12
WLAN-DM-12	SC-12	SC-12
WLAN-DM-13	AU-6(4)	AU-6(4)
WLAN-DM-14	CM-6, CM-7	CM-6, CM-7
WLAN-DM-15	CM-6, CM-7	CM-6, CM-7
WLAN-DM-16	SC-13	SC-13
WLAN-DM-17	IA-5, SC-12	IA-5, SC-12
WLAN-DM-18	IA-5, SC-12	IA-5, SC-12
WLAN-DM-19	AC-4, SC-7, SC-32	AC-4, SC-7, SC-32
WLAN-DM-20	AC-4, SC-7, SC-32	AC-4, SC-7, SC-32
WLAN-DM-21	AC-4, SC-7, SC-32	AC-4, SC-7, SC-32
WLAN-DM-22	AC-4, SC-7, SC-32	AC-4, SC-7, SC-32
WLAN-FW-1	CM-7, SC-7	CM-7, SC-7
WLAN-FW-2	CM-7, SC-7	CM-7, SC-7
WLAN-FW-3	CM-7, SC-7	CM-7, SC-7
WLAN-FW-4	CM-7, SC-7	CM-7, SC-7
WLAN-FW-5	CM-7, PL-7, AC-4(21), SC-7(13)	CM-7, PL-7, AC-4(21), SC-7(13)
WLAN-FW-6	PL-7, AC-4(21), SC-7, CM-7	PL-7, AC-4(21), SC-7, CM-7
WLAN-FW-7	PL-7, AC-4(21), SC-7, CM-7	PL-7, AC-4(21), SC-7, CM-7
WLAN-FW-8	SC-7	SC-7
WLAN-FW-9	CM-6, SC-7(5)	CM-6, SC-7(5)
WLAN-2F-1	IA-2 (2)	IA-2 (2)
WLAN-2F-2	IA-2 (6)	IA-2 (6)
WLAN-2F-3	IA-2 (6)	IA-2 (6)
WLAN-2F-4	IA-5	IA-5
WLAN-2F-5	IA-2	IA-2
WLAN-2F-6	AC-4	AC-4
WLAN-2F-7	IA-2 (8)	IA-2 (8)
WLAN-2F-8	IA-5	IA-5
WLAN-2F-9	IA-5	IA-5
WLAN-2F-10	IA-5	IA-5
WLAN-2F-11	IA-5, SC-8 (1)	IA-5, SC-8 (1)
WLAN-2F-12	MP-4	MP-4
WLAN-2F-13	IA-2	IA-2
WLAN-2F-14	IA-2 (6)	IA-2 (6)
WLAN-2F-15	IA-2 (1) (2)	IA-2 (1) (2)
WLAN-2F-16	IA-2 (6), IA-5	IA-2 (6), IA-5
WLAN-2F-17	IA-2 (6), IA-5 (6)	IA-2 (6), IA-5 (6)
WLAN-2F-18	IA-5	IA-5
WLAN-2F-19	IR-4	IR-4
WLAN-2F-20	IR-4	IR-4
WLAN-2F-21	CM-7	CM-7

Requirement	CNSSI-1253	NIST SP 800-53 Revision 5 Security Controls
WLAN-2F-22	IA-5, SC-8 (1)	IA-5, SC-8 (1)
WLAN-2F-23	MP-4	MP-4
WLAN-GD-1	CA-6, PE-1, PE-3	CA-6, PE-1, PE-3
WLAN-GD-2	PE-2, PE-3	PE-2, PE-3
WLAN-GD-3	PE-2, PE-3	PE-2, PE-3
WLAN-GD-4	PL-2, MP-8	PL-2, MP-8
WLAN-GD-5	PL-7, SC-13, AC-19(5)	PL-7, SC-13, AC-19(5)
WLAN-GD-6	SC-12	SC-12
WLAN-GD-7	SR-10, CM-3, CM-2(7), PE-3(5)	SR-10, CM-3, CM-2(7), PE-3(5)
WLAN-GD-8	SA-1, PM-11	SA-1, PM-11
WLAN-GD-9	CA-2(1)	CA-2(1)
WLAN-GD-10	CA-2	CA-2
WLAN-GD-11	CA-2	CA-2
WLAN-GD-12	N/A	N/A
WLAN-GD-13	CA-2	CA-2
WLAN-GD-14	N/A	N/A
WLAN-GD-15	CA-6	CA-6
WLAN-GD-16	CA-6	CA-6
WLAN-GD-17	AU-11	AU-11
WLAN-GD-18	AU-4	AU-4
WLAN-GD-19	AU-4(1)	AU-4(1)
WLAN-GD-20	IR-6	IR-6
WLAN-GD-21	AU-4	AU-4
WLAN-GD-22	AU-11(1)	AU-11(1)
WLAN-GD-23	AU-5(3)	AU-5(3)
WLAN-GD-24	AU-5(5)	AU-5(5)
WLAN-GD-25	IA-5(1)	IA-5(1)
WLAN-GD-26	SI-2, CM-9, CM-3	SI-2, CM-9, CM-3
WLAN-GD-27	SI-2, CM-9, CM-3	SI-2, CM-9, CM-3
WLAN-GD-28	PE-19(1)	PE-19(1)
WLAN-GD-29	RA-2, MP-4	RA-2, MP-4
WLAN-GD-30	CM-8	CM-8
WLAN-GD-31	AC-1, PS-1	AC-1, PS-1
WLAN-GD-32	AC-5	AC-5
WLAN-GD-33	AT-3	AT-3
WLAN-GD-34	<i>withdrawn</i>	<i>withdrawn</i>
WLAN-GD-35	IR-6	IR-6
WLAN-GD-36	<i>relocated to KM Annex</i>	<i>relocated to KM Annex</i>
WLAN-GD-37	AC-5	AC-5
WLAN-GD-38	SR-10	SR-10
WLAN-GD-39	<i>withdrawn</i>	<i>withdrawn</i>
WLAN-GD-40	<i>withdrawn</i>	<i>withdrawn</i>
WLAN-GD-41	<i>withdrawn</i>	<i>withdrawn</i>
WLAN-GD-42	SC-46, AC-4 (20)	SC-46, AC-4 (20)
WLAN-RP-1	IR-6	IR-6
WLAN-RP-2	IR-6, IR-8	IR-6, IR-8
WLAN-RP-3	IR-8	IR-8
WLAN-RP-4	IR-9	IR-9
WLAN-RP-5	IR-8	IR-8
WLAN-RP-6	IR-8	IR-8
WLAN-RP-7	IR-8	IR-8
WLAN-RP-8	IR-8	IR-8

Requirement	CNSSI-1253	NIST SP 800-53 Revision 5 Security Controls
WLAN-RP-9	IR-8	IR-8
WLAN-RP-10	IR-8	IR-8
WLAN-RP-11	IR-8	IR-8
WLAN-RP-12	IR-8	IR-8
WLAN-RP-13	IR-8	IR-8
WLAN-RP-14	IR-8	IR-8
WLAN-RP-15	IR-8	IR-8
WLAN-TR-0	SA-11	SA-11