

CWLAN CP V3.2.0 REQUIREMENTS MAPPINGS TO CNSSI-1253/NIST SP 800-53 CONTROLS

Most of the requirements in this Capability Package support the implementation of security controls specified in NIST SP 800-53 Revision 4. 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 CP 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 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.

CWLAN 3.2.0 Requirements Mapping to NIST SP 800-53 Security Controls

| Requirement | NIST SP 800-53 Revision 5 Security Controls |
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| PRODUCTION SELECTION REQUIREMENTS | |
| WLAN-PS-1 | SA-4(6)(7) |
| WLAN-PS-2 | SA-4(6)(7) |
| WLAN-PS-3 | SA-4(6)(7) |
| WLAN-PS-4 | SA-4(6)(7) |
| WLAN-PS-5 | SA-4(6)(7) |
| WLAN-PS-6 | SA-4(6)(7) |
| WLAN-PS-7 | SA-4(6)(7) |
| WLAN-PS-8 | SA-12(13) |
| WLAN-PS-9 | SC-3 |
| WLAN-PS-10 | SA-12(13) |
| WLAN-PS-11 | SA-12(13) |
| WLAN-PS-12 | SA-12(13) |
| WLAN-PS-13 | SA-9(1), SA-12(2)(8), SA-13 |
| WLAN-PS-14 | SA-4(7) |
| WLAN-PS-15 | SA-4 (6) (7) |
| WLAN-PS-16 | CM-1, CM-2, SA-4 (6) (7), SC-13 |
| WLAN-PS-17 | CM-1, CM-2, SA-4 (6) (7), SC-13 |
| WLAN-PS-18 | SA-4 (6), SR Family |
| WLAN-PS-19 | SA-4 (6), SR Family |
| WLAN-PS-20 | SA-4 (6), SR Family |
| WLAN-PS-21 | SA-4 (6), SR Family |
| WLAN-PS-22 | SA-4 (6), SR Family |

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| WLAN-PS-23 | SA-4 (6), SR Family |
| WLAN-PS-24 | SA-4 (6), SR Family |
| WLAN-PS-25 | SA-4 (6), SR Family |
| OVERALL SOLUTION REQUIREMENTS | |
| WLAN-SR-1 | AC-2 |
| WLAN-SR-2 | AU-8(1B) |
| WLAN-SR-3 | AU-8(1B) |
| WLAN-SR-4 | CM-7 |
| WLAN-SR-5 | SI-3(2) |
| WLAN-SR-6 | AC-4, CM-6, CM-9 |
| WLAN-SR-7 | IA-5 (1) |
| WLAN-SR-8 | AC-4 (17) |
| WLAN-SR-9 | AC-4, SC-7 (21), SC-8 |
| WLAN-SR-10 | AC-4, SC-7 (21), SC-8 |
| WLAN-SR-11 | AC-4, AC-6, SC-2, SC-7 |
| WLAN-SR-12 | CM-6, CM-7 |
| WLAN-SR-13 | CM-6, CM-7, SC-22 |
| WLAN-SR-14 | CM-6, CM-7 |
| WLAN-SR-15 | SI-7, SC-7, SC-8, AC-17 |
| END USER DEVICE REQUIREMENTS | |
| WLAN-EU-1 | 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)(3) |
| WLAN-EU-3 | CM-7(5) |
| WLAN-EU-4 | CM-11(2) |
| WLAN-EU-5 | AC-2, |
| WLAN-EU-6 | AC-7(1)(2) |
| WLAN-EU-7 | SC-13, SC-17 |
| WLAN-EU-8 | SC-13, SC-17 |
| WLAN-EU-9 | IR-8 |
| WLAN-EU-10 | IR-8 |
| WLAN-EU-11 | AC-2, AC-3, IA-2, IA-11 |
| WLAN-EU-12 | AC-2, AC-3, IA-2, IA-11 |
| WLAN-EU-13 | AC-11, IA-11 |
| WLAN-EU-14 | PL-4, PS-6 |
| WLAN-EU-15 | 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), PS-6, AC-2, IA-4(2), PL-4, PS-6 |
| WLAN-EU-17 | SC-43, SC-7, AC-19(4) |
| WLAN-EU-18 | SC-42(2) |
| WLAN-EU-19 | SC-42(3) |
| WLAN-EU-20 | CM-6 |
| WLAN-EU-21 | SC-42(3) |
| WLAN-EU-22 | MP-6 |
| WLAN-EU-23 | IA-5(1) |
| WLAN-EU-24 | SC-28 |
| WLAN-EU-25 | withdrawn |

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| WLAN-EU-26 | withdrawn |
| WLAN-EU-27 | IA-5(1) |
| WLAN-EU-28 | withdrawn |
| WLAN-EU-29 | AC-2(6) |
| WLAN-EU-30 | IA-5 |
| WLAN-EU-31 | IA-5 |
| WLAN-EU-32 | AC-11(1) |
| WLAN-EU-33 | MP-7, CM-6 |
| WLAN-EU-34 | MP-7, CM-6 |
| WLAN-EU-35 | SI-7(15) |
| WLAN-EU-36 | AC-18 |
| WLAN-EU-37 | AC-18 |
| WLAN-EU-38 | AC-18 |
| WLAN-EU-39 | CM-7(5) |
| WLAN-EU-40 | CM-6 |
| WLAN-EU-41 | SR-9 |
| WLAN-EU-42 | SI-7 (10) |
| WLAN-EU-43 | IA-5 (1) |
| WLAN-EU-44 | IA-5 (1) |
| WLAN-EU-45 | AC-3 |
| WLAN-EU-46 | SR-9 |
| WLAN-EU-47 | AC-7 |
| WLAN-EU-48 | CM-1, CM-6, SC-28 (1) |
| WLAN-EU-49 | CM-6 |
| ENHANCED VIRTUALIZATION REQUIREMENTS | |
| WLAN-VZ-1 | AC-6 (4), SC-29 (1) |
| WLAN-VZ-2 | SC-28 (3) |
| WLAN-VZ-3 | SI-7 (5) |
| WLAN-VZ-4 | AC-6 (4), SC-39 |
| WLAN-VZ-5 | AC-6 (4), SC-2 |
| WLAN-VZ-6 | SC-7 (21) |
| WLAN-VZ-7 | AC-6 (4), SC-39 |
| WLAN-VZ-8 | SC-12 |
| WLAN-VZ-9 | SC-12 |
| WLAN-VZ-10 | SI-12 (3), SR-12 |
| WLAN-VZ-11 | SC-28 |
| WLAN-VZ-12 | SC-12, SC-17 |
| WLAN-VZ-13 | SC-12, SC-17 |
| WLAN-VZ-14 | IA-5 (1) |
| WLAN-VZ-15 | AC-6, SC-2 |
| WLAN-VZ-16 | AC-8 |
| WLAN-VZ-17 | AC-3 (3) |
| WLAN-VZ-18 | IA-5 (1h) |
| WLAN-VZ-19 | AU-6 (4), SI-4 (2) |
| WLAN-VZ-20 | AC-6 (1), CM-5, CM-6, SC-2 |
| WLAN-VZ-21 | CM-5, SC-2 |

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| WLAN-VZ-22 | CM-5, SC-2 |
| WLAN-VZ-23 | AC-3 |
| WLAN-VZ-24 | SC-28 (1) |
| WLAN CLIENT (WC) CONFIGURATION REQUIREMENTS | |
| WLAN-WC-1 | CM-6 |
| WLAN-WC-2 | AC-18(1), SC-12 |
| WLAN-WC-3 | IA-5(2) |
| WLAN-WC-4 | IA-5(2) |
| WLAN-WC-5 | AC-18(1) |
| WLAN-WC-6 | SC-17 |
| WLAN-WC-7 | IA-5 |
| WLAN-WC-8 | CM-6 |
| WLAN-WC-9 | CM-6 |
| WLAN-WC-10 | AC-18 |
| WLAN-WC-11 | SC-17 |
| WLAN-WC-12 | SC-17 |
| WLAN-WC-13 | CM-6, SC-43 |
| DEDICATED OUTER WLAN (WO) REQUIREMENTS | |
| WLAN-WO-1 | AC-17, AC-19 |
| WLAN-WO-2 | AC-4, SC-2, SC-7 |
| WLAN-WO-3 | CM-1, CM-6 |
| WLAN-WO-4 | CA-9 |
| WLAN-WO-5 | AC-18 (3) |
| WLAN-WO-6 | SC-8, SC-12, SC-13 |
| WIRELESS LINK (WL) REQUIREMENTS | |
| WLAN-WL-1 | SC-13 |
| WLAN-WL-2 | SC-13 |
| WLAN-WL-3 | SC-13 |
| WLAN-WL-4 | SC-8(1) |
| WLAN-WL-5 | SC-13 |
| WLAN-WL-6 | SC-13 |
| WLAN-WL-7 | SC-13 |
| WLAN-WL-8 | SC-13 |
| WLAN-WL-9 | SC-8, SC-12, SC-13 |
| VPN COMPONENTS AND VPN CLIENT CONFIGURATION REQUIREMENTS | |
| WLAN-CR-1 | SC-13 |
| WLAN-CR-2 | SC-17, IA-5(5) |
| WLAN-CR-3 | IA-5(5) |
| WLAN-CR-4 | SC-13 |
| WLAN-CR-5 | SC-13 |
| WLAN-CR-6 | SC-13 |
| WLAN-CR-7 | SC-13 |
| WLAN-CR-8 | SC-13 |
| WLAN-CR-9 | SC-13 |
| WLAN-CR-10 | SC-12 |
| WLAN-CR-11 | SC-17 |

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| WLAN-CR-12 | SC-17 |
| WLAN-CR-13 | IA-3, IA-5 (2), SC-12, SC-17 |
| WLAN-CR-14 | IA-3, SC-13, SC-17 |
| WLAN-CR-15 | IA-3, SC-12 |
| WLAN-CR-16 | SC-13 |
| WLAN-CR-17 | SC-7, SC-8(1), SC-13 |
| WLAN-CR-18 | SC-8, SC-12, SC-13 |
| WLAN-CR-19 | AI-3, SC-8, SC-12, SC-13, SC17 |
| WLAN ACCESS SYSTEM (WS) CONFIGURATION REQUIREMENTS | |
| WLAN-WS-1 | SC-11, CM-6 |
| WLAN-WS-2 | SC-12 |
| WLAN-WS-3 | IA-5(2) |
| WLAN-WS-4 | SC-17, SC-12 |
| WLAN-WS-5 | SC-7 |
| WLAN-WS-6 | SC-7 |
| WLAN-WS-7 | SC-7, SC-7(14), SC-7(21), SC-7(22) |
| WIRELESS INFRASTRUCTURE AUTHENTICATION (IA) REQUIREMENTS | |
| WLAN-IA-1 | SC-7 |
| WLAN-IA-2 | SC-8(1) |
| WLAN-IA-3 | SC-13 |
| WLAN-IA-4 | SC-13 |
| WLAN-IA-5 | SC-13 |
| WLAN-IA-6 | SC-12 |
| WLAN-IA-7 | SC-12 |
| WLAN-IA-8 | SC-13 |
| WLAN-IA-9 | SC-12 |
| WLAN-IA-10 | AC-6(1) |
| WLAN-IA-11 | IA-5(1) |
| WLAN-IA-12 | SC-13 |
| WLAN-IA-13 | AI-3, SC-8, SC-12, SC-13, SC17 |
| WLAN-IA-14 | SC-7, SC-8(1), SC-13 |
| WLAN-IA-15 | SC-8, SC-12, SC-13 |
| WIRELESS AUTHENTICATION AND AUTHORIZATION (AA) REQUIREMENTS | |
| WLAN-AA-1 | SC-8(1) |
| WLAN-AA-2 | SC-13 |
| WLAN-AA-3 | SC-13 |
| WLAN-AA-4 | SC-13 |
| WLAN-AA-5 | SC-13 |
| WIRELESS AUTHENTICATION SERVER (WA) REQUIREMENTS | |
| WLAN-WA-1 | IA-5(2) |
| WLAN-WA-2 | SC-12 |
| WLAN-WA-3 | SC-12 |
| WLAN-WA-4 | IA-5(2) |
| WLAN-WA-5 | IA-5(2) |
| WLAN-WA-6 | IA-5(14) |
| WLAN-WA-7 | <i>withdrawn</i> |

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| WLAN-WA-8 | IA-5(2) |
| WLAN-WA-9 | SC-23(5) |
| WLAN-WA-10 | SC-23(5) |
| WLAN-WA-11 | SC-23(5) |
| WLAN-WA-12 | AU-2 |
| WLAN-WA-13 | AU-2 |
| PORT FILTERING REQUIREMENTS | |
| WLAN-PF-1 | SC-43, CM-7 |
| WLAN-PF-2 | CM-7 |
| WLAN-PF-3 | SC-7(5) |
| WLAN-PF-4 | SC-7(5), CM-7 |
| WLAN-PF-5 | CM-7 |
| WLAN-PF-6 | SC-7(5), CM-7 |
| WLAN-PF-7 | CM-2 |
| WLAN-PF-8 | AC-4(1), SC-7, CA-9 |
| WLAN-PF-9 | SC-7, CA-9 |
| WLAN-PF-10 | SC-7, CA-9 |
| WLAN-PF-11 | AC-4, CM-7 |
| WLAN-PF-12 | AC-4, SC-7 (5) |
| WLAN-PF-13 | AC-4, SC-7 |
| WLAN-PF-14 | CM-7, SC-7 |
| WLAN-PF-15 | AC-4, SC-7 |
| WLAN-PF-16 | AC-4, SC-7 |
| WLAN-PF-17 | CM-7 |
| END USER DEVICE PROVISIONING REQUIREMENTS | |
| WLAN-PR-1 | CM-2, AC-18 |
| WLAN-PR-2 | CM-2, AC-18(5), SC-40(2) |
| WLAN-PR-3 | CM-2, AC-18(5), SC-40(2) |
| WLAN-PR-4 | SC-7, CM-2 |
| WLAN-PR-5 | AC-18(3) |
| WLAN-PR-6 | IA-5 |
| WLAN-PR-7 | CM-2 |
| WLAN-PR-8 | CM-7(5) |
| WLAN-PR-9 | CM-2 |
| WLAN-PR-10 | IA-5(1) |
| WLAN-PR-11 | CM-2, CM-7(5), CA-6 |
| DEVICE MANAGEMENT REQUIREMENTS | |
| WLAN-DM-1 | SC2, CM2, CM7, CM8, AC-6 |
| WLAN-DM-2 | withdrawn |
| WLAN-DM-3 | SI-3 |
| WLAN-DM-4 | CM-2 |
| WLAN-DM-5 | SC-2, AC-6 |
| WLAN-DM-6 | SC-2, AC-6 |
| WLAN-DM-7 | SC-2, IA-3, IA-5 |
| WLAN-DM-8 | SC-2, IA-3, IA-5 |
| WLAN-DM-9 | SC-2, PE-1, PE-3 |

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| WLAN-DM-10 | withdrawn |
| WLAN-DM-11 | SC-2, IA-3, IA-5 |
| WLAN-DM-12 | SC-17, IA-5(2), SC-12, IA-3(1) |
| WLAN-DM-13 | withdrawn |
| WLAN-DM-14 | withdrawn |
| WLAN-DM-15 | withdrawn |
| WLAN-DM-16 | SC-8, SC-13, AC-18 |
| WLAN-DM-17 | SC-17, IA-5 |
| WLAN-DM-18 | SC-17, IA-5 |
| WLAN-DM-19 | SC-32, SC-2, SC-7 |
| WLAN-DM-20 | PL-8, CM-8, SC-7 |
| WLAN-DM-21 | SC-32, SC-2, SC-7 |
| WLAN-DM-22 | CM-8, SC-7, AC-4 |
| WLAN-DM-23 | CM-8, SC-7, AC-4 |
| GRAY FIREWALL REQUIREMENTS | |
| WLAN-FW-1 | CM-7, CM-7(21) |
| WLAN-FW-2 | CM-7, CM-7(21) |
| WLAN-FW-3 | CM-7, CM-7(21) |
| WLAN-FW-4 | CM-7, SC-7 |
| WLAN-FW-5 | CM-7, PL-7, AC-4(21), SC-7(13) |
| WLAN-FW-6 | PL-7, AC-4(21), SC-7, CM-7 |
| WLAN-FW-7 | PL-7, AC-4(21), SC-7, CM-7 |
| WLAN-FW-8 | SC-7 |
| WLAN-FW-9 | CM-6, SC-7(5) |
| MULTI-FACTOR AUTHENTICATION REQUIREMENTS | |
| WLAN -MFA-1 | IA-2 (2, 6) |
| WLAN -MFA-2 | IA-2 (2, 6) |
| WLAN -MFA-3 | IA-2 (2, 6) |
| WLAN -MFA-4 | IA-2 (6) |
| WLAN -MFA-5 | IA-5 (a, h) |
| WLAN -MFA-6 | IA-2 (2) |
| WLAN -MFA-7 | AC-7 |
| WLAN -MFA-8 | IA-2 (8) |
| WLAN -MFA-9 | IA-5 (d, g, h, i) |
| WLAN -MFA-10 | IA-5 (d, f, g, h, i) |
| WLAN -MFA-11 | IA-5 |
| WLAN -MFA-12 | IA-5, SC-8(i) |
| WLAN -MFA-13 | MP-4 |
| WLAN -MFA-14 | IA-2 |
| USE AND HANDLING OF SOLUTIONS (GD) REQUIREMENTS | |
| WLAN-GD-1 | CA-6, PE-1, PE-3 |
| WLAN-GD-2 | PE-2, PE-3 |
| WLAN-GD-3 | PE-2, PE-3 |
| WLAN-GD-4 | PL-2, MP-8 |
| WLAN-GD-5 | PL-7, SC-13, AC-19(5) |
| WLAN-GD-6 | SC-12 |

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| WLAN-GD-7 | SA-18(2), CM-3, CM-2(7), PE-3(5) |
| WLAN-GD-8 | SA-1, PM-11 |
| WLAN-GD-9 | CA-2(1) |
| WLAN-GD-10 | CA-2 |
| WLAN-GD-11 | CA-2 |
| WLAN-GD-12 | N/A |
| WLAN-GD-13 | CA-2 |
| WLAN-GD-14 | N/A |
| WLAN-GD-15 | CA-6 |
| WLAN-GD-16 | CA-6 |
| WLAN-GD-17 | AU-11 |
| WLAN-GD-18 | AU-4 |
| WLAN-GD-19 | AU-4(1) |
| WLAN-GD-20 | IR-6 |
| WLAN-GD-21 | AU-4 |
| WLAN-GD-22 | AU-11(1) |
| WLAN-GD-23 | AU-5(3) |
| WLAN-GD-24 | AU-15 |
| WLAN-GD-25 | IA-5(1) |
| WLAN-GD-26 | SI-2, CM-9, CM-3 |
| WLAN-GD-27 | SI-2, CM-9, CM-3 |
| WLAN-GD-28 | PE-19(1) |
| WLAN-GD-29 | RA-2, MP-4 |
| WLAN-GD-30 | CM-8 |
| WLAN-GD-31 | SC-46, AC-4 (20) |
| INCIDENT REPORTING REQUIREMENTS | |
| WLAN-RP-1 | IR-6 |
| WLAN-RP-2 | IR-6, IR-8 |
| WLAN-RP-3 | IR-8 |
| WLAN-RP-4 | IR-9 |
| WLAN-RP-5 | IR-8 |
| WLAN-RP-6 | IR-8 |
| WLAN-RP-7 | IR-8 |
| WLAN-RP-8 | IR-8 |
| WLAN-RP-9 | IR-8 |
| WLAN-RP-10 | IR-8 |
| WLAN-RP-11 | IR-8 |
| WLAN-RP-12 | IR-8 |
| WLAN-RP-13 | IR-8 |
| WLAN-RP-14 | IR-8 |
| WLAN-RP-15 | IR-8 |
| ROLE-BASED PERSONNEL REQUIREMENTS | |
| WLAN-GD-32 | AC-1, PS-1 |
| WLAN-GD-33 | AC-5 |
| WLAN-GD-34 | AT-3 |

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| WLAN-GD-35 | Requirement relocated to <i>CSfC Key Management Requirements Annex</i> |
| WLAN-GD-36 | IR-6 |
| WLAN-GD-37 | Requirement relocated to <i>CSfC Key Management Requirements Annex</i> |
| WLAN-GD-38 | AC-5 |
| TEST REQUIREMENT | |
| WLAN-TR-1 | SA-11 |