# CContinuous Monitoring Requirements Annex v2.0.0 Requirements Mapping to NIST SP 800-53 Security Controls

Most of the requirements in the Key Management Requirements Annex support the implementation ofthe security controls specified in the National Institute of Standards and Technology (NIST) Special Publication 800-53 Revision 5 (NIST SP 800-53). 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 (RMF) (formerly known as Certification and Accreditation (C&A)) process for asystem incorporating a CM solution that complies with this Annex.

Note that the presence of a mapping between a Annex requirement and a NIST SP 800-53 security control does not necessarily indicate that the Annex requirement by itself is sufficient to satisfy the security control.Instead, a mapping indicates that the CP requirement provides some degree of support to the application of the security control. Additional work outside the scope of this Annex may be required to effectively implement the security control on the target system.

**Figure 1 – Continuous Monitoring Annex v2.0.0 Requirements Mapping to NIST SP 800-53 Security Controls**

| Annex Requirement | NIST SP 800-53 Revision 5 Security Controls |
|---|---|
| **CM-MP-1** | SI-4, CA-7 |
| **CM-MP-2** | SI-4, CA-7 |
| **CM-MP-3** | SI-4, CA-7 |
| **CM-MP-4** | SI-4, CA-7 |
| **CM-MP-5** | SI-4, CA-7 |
| **CM-MP-6** | SI-4 (14) |
| | |
| **CM-MP1-1** | AU-2, AU-4, AU-12, SI-4 (4) |
| **CM-MP1-2** | AU-2, AU-4, AU-12, SI-4 (4) |
| **CM-MP1-3** | AU-2, AU-4, AU-12, SI-4 (22) |
| **CM-MP1-4** | AU-2, AU-4, AU-12, SI-4 (22) |
| **CM-MP1-5** | AU-2, AU-12, CM-3f, CM-3 (1e) |
| **CM-MP1-6** | AU-2, AU-12, SI-4 (22) |
| **CM-MP1-7** | AC-6 (9), AU-2, AU-12, SI-4 (20) |
| **CM-MP1-8** | AC-6 (9), AU-2, AU-12, SI-4 (20) |
| **CM-MP1-9** | AU-2, AU-12 |
| **CM-MP1-10** | AU-2, AU-12, SI-4 (11) |
| **CM-MP1-11** | AU-2, AU-12, SI-4 (11) |
| | |
| **CM-MP2-1** | AU-2, AU-4, AU-12, SI-4 (4) |
| **CM-MP2-2** | AU-2, AU-4, AU-12, SI-4 (4) |
| **CM-MP2-3** | AU-2, AU-4, AU-12, SI-4 (22) |
| **CM-MP2-4** | AU-2, AU-4, AU-12, SI-4 (4) |

| Annex Requirement | NIST SP 800-53 Revision 5 Security Controls |
|---|---|
| **CM-MP2-5** | AU-2, AU-12, SC-21 |
| **CM-MP2-6** | AU-2, AU-12, SI-4 (22) |
| **CM-MP2-7** | AC-6 (9), AU-2, AU-12, SI-4 (20) |
| | |
| **CM-MP3-1** | AU-2, AU-4, AU-12, SI-4 (4) |
| **CM-MP3-2** | AU-2, AU-4, AU-12, SI-4 (4) |
| **CM-MP3-3** | AU-2, AU-4, AU-12, SI-4 (22) |
| **CM-MP3-4** | AU-2, AU-4, AU-12, SI-4 (4) |
| **CM-MP3-5** | AU-2, AU-12, CM-3 (6) |
| **CM-MP3-6** | AU-2, AU-12, SI-4 (22) |
| **CM-MP3-7** | AC-6 (9), AU-2, AU-12, SI-4 (20) |
| | |
| **CM-MP4-1** | AU-2, AU-12, SI-4 (4) |
| **CM-MP4-2** | AU-2, AU-4, AU-12, SI-4 (4) |
| **CM-MP4-3** | AU-2, AU-12, SI-4 (11) |
| **CM-MP4-4** | AU-2, AU-12, SI-4 (11) |
| **CM-MP4-5** | AU-2, AU-12, CM-7b, SI-4 |
| **CM-MP4-6** | AU-2, AU-4, AU-12, SI-4 (22) |
| | |
| **CM-MP5-1** | AU-2, AU-12, SI-4 (4) |
| **CM-MP5-2** | AU-2, AU-4, AU-12, SI-4 (4) |
| **CM-MP5-3** | AU-2, AU-12, SI-4 (11) |
| **CM-MP5-4** | AU-2, AU-12, SI-4 (11) |
| **CM-MP5-5** | AU-2, AU-12, CM-7b, SI-4 |
| **CM-MP5-6** | AU-2, AU-4, AU-12, SI-4 (22) |
| | |
| **CM-MP6-1** | AU-2, AU-4, AU-12 |
| **CM-MP6-2** | AU-2, AU-4, AU-12 |
| **CM-MP6-3** | AU-2, AU-4, AU-12 |
| **CM-MP6-4** | AU-2, AU-4, AU-12 |
| **CM-MP6-5** | AC-6 (9), AU-2, AU-12, SI-4 (20) |
| **CM-MP6-6** | AC-16e |
| **CM-MP6-7** | AU-2, AU-12 |
| **CM-MP6-8** | AU-2, AU-4, AU-12, SI-4 (22) |
| **CM-MP6-9** | AU-2, AU-12, SI-4 (4) |
| **CM-MP6-10** | AU-2, AU-12, CM-7b, SI-4 |
| **CM-MP6-11** | AU-2, AU-12, SC-21 |
| **CM-MP6-12** | AC-7, AU-2, AU-4, AU-12 |
| **CM-MP6-13** | AU-2, AU-12, CM-3f, CM-3 (1e) |
| **CM-MP6-14** | AU-2, AU-12, CM-3f |
| **CM-MP6-15** | AU-2, AU-4, AU-12, IA-5 (2) |
| **CM-MP6-16** | AU-2, AU-4, AU-12, IA-5 (2) |
| **CM-MP6-17** | AU-2, AU-12, SC-7a |
| **CM-MP6-18** | AU-2, AU-12, SC-7a |

| Annex Requirement | NIST SP 800-53 Revision 5 Security Controls |
|---|---|
| **CM-MP6-19** | AU-2, AU-4, AU-12 |
| **CM-MP6-20** | AU-2, AU-4, AU-12 |
| **CM-MP6-21** | AU-2, AU-4, AU-12, IA-5 (2) |
| **CM-MP6-22** | AU-2, AU-12, IA-5 (2) |
| **CM-MP6-23** | AU-2, AU-4, AU-12, SC-12 |
| **CM-MP6-24** | AU-2, AU-4, AU-12, SC-12 |
| **CM-MP6-25** | AU-2, AU-4, AU-12, IA-5 (2) |
| **CM-MP6-26** | AU-2, AU-12, IA-5 (2) |
| **CM-MP6-27** | RA-5 |
| | |
| **CM-MP7-1** | AU-2, AU-4, AU-12 |
| **CM-MP7-2** | AU-2, AU-4, AU-12 |
| **CM-MP7-3** | AU-2, AU-4, AU-12 |
| **CM-MP7-4** | AU-2, AU-4, AU-12 |
| **CM-MP7-5** | AC-6 (9), AU-2, AU-12, SI-4 (20) |
| **CM-MP7-6** | AC-16e |
| **CM-MP7-7** | AU-2, AU-12 |
| **CM-MP7-8** | AU-2, AU-4, AU-12, SI-4 (22) |
| **CM-MP7-9** | AU-2, AU-12, SI-4 (4) |
| **CM-MP7-10** | AU-2, AU-12, CM-7b, SI-4 |
| **CM-MP7-11** | AU-2, AU-12, SC-21 |
| **CM-MP7-12** | AC-7, AU-2, AU-4, AU-12 |
| **CM-MP7-13** | AU-2, AU-12, CM-3f, CM-3 (1e) |
| **CM-MP7-14** | AU-2, AU-12, CM-3f |
| **CM-MP7-15** | AU-2, AU-4, AU-12, IA-5 (2) |
| **CM-MP7-16** | AU-2, AU-4, AU-12, IA-5 (2) |
| **CM-MP7-17** | AU-2, AU-12, SC-7a |
| **CM-MP7-18** | AU-2, AU-12, SC-7a |
| **CM-MP7-19** | AU-2, AU-4, AU-12 |
| **CM-MP7-20** | AU-2, AU-4, AU-12, IA-5 (2) |
| **CM-MP7-21** | AU-2, AU-4, AU-12, IA-5 (2) |
| **CM-MP7-22** | AU-2, AU-12, IA-5 (2) |
| **CM-MP7-23** | AU-2, AU-4, AU-12, IA-5 (2), SC-8 (1) |
| **CM-MP7-24** | AU-2, AU-4, AU-12, IA-5 (2), SC-8 (1) |
| **CM-MP7-25** | AU-2, AU-4, AU-12, IA-5 (2), SC-8 (1) |
| **CM-MP7-26** | AU-2, AU-4, AU-12, SC-8 (1) |
| **CM-MP7-27** | AU-2, AU-4, AU-12, SC-8 (1) |
| **CM-MP7-28** | AU-2, AU-4, AU-12, SC-12 |
| **CM-MP7-29** | AU-2, AU-4, AU-12, SC-12 |
| **CM-MP7-30** | AC-7, AU-2, AU-12 |
| **CM-MP7-31** | RA-5 |
| | |
| **CM-MP8-1** | AU-2, AU-4, AU-9 (2), AU-12, SI-4 (23) |
| **CM-MP8-4** | AU-2, AU-12, CM-3f, CM-3 (1e), SI-4 (23) |
| **CM-MP8-5** | AU-2, AU-4, AU-12, SI-4 (22, 23) |

| Annex Requirement | NIST SP 800-53 Revision 5 Security Controls |
|---|---|
| **CM-MP8-6** | AU-2, AU-12, CM-8 (3), SI-4 (23) |
| **CM-MP8-7** | AU-2, AU-12, SI-3, SI-4 (23) |
| **CM-MP8-11** | AU-2, AU-12 |
| **CM-MP8-12** | AU-2, AU-12 |
| **CM-MP8-13** | AU-2, AU-12 |
| **CM-MP8-14** | AU-2, AU-12 |
| **CM-MP8-15** | AU-2, AU-4, AU-12, SI-4 (23) |
| **CM-MP8-16** | AU-2, AU-4, AU-12 |
| **CM-MP8-17** | AU-2, AU-12, IA-3(4) |
| **CM-MP8-18** | AU-2, AU-12 |
| **CM-MP8-19** | AU-2, AU-12, SI-4(7) |
| **CM-MP8-20** | AU-2, AU-12 |
| **CM-MP8-21** | AU-2, AU-12, SI-7(1) |
| **CM-MP8-22** | AU-2, AU-12 |
| **CM-MP8-23** | AU-2, AU-12, AC-18 |
| **CM-MP8-24** | AU-2, AU-12, AC-18 |
| **CM-MP8-25** | AU-2, AU-12, AC-18 |
| | |
| **CM-VMP8-1** | AU-2, AU-4, AU-12 |
| **CM-VMP8-2** | AU-2, AU-12, IA-3(4) |
| **CM-VMP8-3** | AU-2, AU-12 |
| **CM-VMP8-4** | AU-2, AU-12 |
| **CM-VMP8-5** | AU-2, AU-12, SI-4(7) |
| **CM-VMP8-6** | AU-2, AU-12, SI-4(7) |
| **CM-VMP8-7** | AU-2, AU-4, AU-12, SI-4 (22, 23) |
| **CM-VMP8-8** | AU-2, AU-12, CM-3(1)m |
| **CM-VMP8-9** | AU-2, AU-12, SI-7(1) |
| **CM-VMP8-10** | AU-2, AU-12 |
| **CM-VMP8-11** | AU-2, AU-12 |
| **CM-VMP8-12** | AU-2, AU-12 |
| **CM-VMP8-13** | AU-2, AU-12 |
| | |
| **CM-DO-1** | AU-2, AU-12 |
| **CM-DO-2** | AU-2, AU-12, CM-3(1) |
| **CM-DO-3** | AU-2, AU-12 |
| **CM-DO-4** | AU-2, AU-12 |
| **CM-DO-5** | AU-2, AU-12 |
| **CM-DO-6** | AU-2, AU-12, AC-18 |
| **CM-DO-7** | AU-2, AU-12, AC-18 |
| **CM-DO-8** | AU-2, AU-12, AC-18 |
| **CM-DO-9** | AU-2, AU-12 |

| Annex Requirement | NIST SP 800-53 Revision 5 Security Controls |
|---|---|
| **CM-DO-10** | AU-2, AU-12 |
| **CM-DO-11** | AU-2, AU-12 |
| **CM-DO-12** | AU-9, SC-8 (1), SC-13, SI-4 (2) |
| **CM-DO-13** | AU-2, AU-12 |
| | |
| **CM-MDM-1** | AU-2, AU-12, SI-4 (23) |
| **CM-MDM-2** | AU-2, AU-12 |
| **CM-MDM-3** | AU-2, AU-12, CM-3(1), SI-4 (23) |
| **CM-MDM-4** | AU-2, AU-12, SI-4 (23) |
| **CM-MDM-5** | AU-2, AU-12, SI-4 (23) |
| **CM-MDM-6** | AU-2, AU-12, SI-4 (23) |
| **CM-MDM-7** | AU-2, AU-12, SI-4 (23) |
| **CM-MDM-8** | AU-2, AU-12, AC-18, SI-4 (23) |
| **CM-MDM-9** | AU-2, AU-12, SI-4 (23) |
| **CM-MDM-10** | AU-2, AU-12, IA-3(4), SI-4 (7), SI-4 (23) |
| | |
| **CM-LN-1** | AU-8 |
| **CM-LN-2** | AU-3 |
| **CM-LN-3** | AU-3a |
| **CM-LN-4** | AU-3e |
| **CM-LN-5** | AU-3f |
| **CM-LN-6** | AU-3d |
| **CM-LN-7** | AU-3f |
| **CM-LN-8** | AU-3 (1) |
| **CM-LN-9** | AU-3 (1) |
| **CM-LN-10** | AU-3 (1) |
| **CM-LN-11** | AU-3 (1) |
| **CM-LN-12** | AU-3 (1) |
| **CM-LN-13** | AU-3 (1) |
| **CM-LN-14** | CM-3f |
| **CM-LN-15** | SI-4 (2) |
| **CM-LN-16** | SI-4g |
| **CM-LN-17** | AU-9, SC-8 (1), SC-13, SI-4 (2) |
| **CM-LN-18** | AU-8 |
| **CM-LN-19** | AU-6 |
| **CM-LN-20** | AU-9, SC-8 (1), SC-13, SI-4 (2) |
| **CM-LN-21** | AU-6 |
| | |
| **CM-GR-1** | AC-4 (15), SI-4 (25) |
| **CM-GR-2** | AC-4 (15), SI-4 (25) |
| **CM-GR-3** | CM-2a |
| **CM-GR-4** | CM-2b (1) |
| **CM-GR-5** | SI-4 (11) |

| Annex Requirement | NIST SP 800-53 Revision 5 Security Controls |
|---|---|
| **CM-GR-6** | AC-4, SI-4 (11) |
| **CM-GR-7** | IA-5 (2), SC-17 |
| **CM-GR-8** | IA-5 (2), SC-17 |
| **CM-GR-9** | CA-2a, CA-2 (2) |
| **CM-GR-10** | AU-11 |
| **CM-GR-11** | AU-4 |
| **CM-GR-12** | AU-9 (2) |
| **CM-GR-13** | AU-5 |
| **CM-GR-14** | AU-4 (1), AU-5 (1) |
| **CM-GR-15** | AU-4 (1), AU-9 (2) |
| **CM-GR-16** | AU-5 (2), AU-5 (5) |
| **CM-GR-17** | PE-11 |
| **CM-GR-18** | AC-4 (20) |
| **CM-GR-19** | PL-9, SI-4 |
| **CM-GR-20** | SI-4 |
| **CM-GR-21** | SI-4 (2) |
| **CM-GR-22** | PL-10 |
| **CM-GR-23** | IR-4 (13) |
| **CM-GR-24** | AC-4 (3), SI-4 (4) |
| **CM-GR-25** | SC-12 |
| **CM-GR-26** | SC-12 |
| | |
| **CM-SM-1** | SI-4 (2) |
| **CM-SM-2** | SI-4 (2) |
| **CM-SM-3** | AU-6 (4) |
| **CM-SM-4** | AU-6 (4) |
| **CM-SM-5** | AU-6 (4, 5) |
| **CM-SM-6** | SI-4 (2) |
| **CM-SM-7** | SC-12, SC-17, SI-4 (2) |
| **CM-SM-8** | SC-12, SI-4 (2) |
| **CM-SM-9** | AC-7b, SI-4 (2) |
| **CM-SM-10** | SI-4 (2, 20) |
| **CM-SM-11** | CM-3f, CM-3 (1), SI-4 (2) |
| **CM-SM-12** | AC-2 (4), AU-6 (4) |
| **CM-SM-13** | SI-4a.2, SI-4 (2) |
| **CM-SM-14** | SI-4a.1, SI-4 (2) |
| **CM-SM-15** | CA-3 (6), SC-7 (4h), SI-4 (2) |
| **CM-SM-16** | SI-4 (2) |
| | |
| **CM-MI-1** | SI-4 |
| **CM-MI-2** | AU-12c |
| **CM-MI-3** | SI-4 (2) |
| **CM-MI-4** | SI-4 (2) |
| **CM-MI-5** | AU-6 (4) |
| **CM-MI-6** | AU-6 (5) |

| Annex Requirement | NIST SP 800-53 Revision 5 Security Controls |
|---|---|
| | |
| **CM-MS-1** | AU-6 (4) |
| **CM-MS-2** | AC-16, AU-6 (4) |
| **CM-MS-3** | AU-6 (4) |
| | |
| **CM-CD-1** | AC-4 (20) |
| **CM-CD-2** | AC-4 (20) |
| **CM-CD-3** | AC-4 (7) |
| **CM-CD-4** | AC-4 (20); SC-46 |
| **CM-CD-5** | AC-4 (7) |
| **CM-CD-6** | AC-4 (7) |
| | |