

## SEC J - Appendix G Modifications to Applicable Directives

| Directive #                              | DOE Directive Title   | Change   | Change Mod #                          |
|--|---|--|---------------------------------------|
| DOE O 110.3A                             | Conference Management   | Retained CRD Paragraphs 1.g.(4) a, b, & c only pending reissuance of BOP-003-08. Deleted by new Clause H-42.                                   | 253, 353                              |
| DOE O 130.1                              | Budget Formulation  | Added  | M003                                  |
| DOE O 140.1A                             | Interface with the Defense Nuclear Facilities Safety Board  | Added, Updated to version 1A, Corrected the date of issuance   | 677, 755, 785                         |
| DOE M 140.1-1B                           | Interface with the Defense Nuclear Facilities Safety Board  | Added  | M003, 677                             |
| DOE O 142.1                              | Classified Visits Involving Foreign-Nationals   | Added<br>Delete. Superseded by DOE 470.4B  | M003<br>432                           |
| DOE M 142.2-1, Admin Chg 1               | Manual for Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency | Added, Added Admin Chg 1   | M065, 404                             |
| DOE O 142.2A, Admin Chg 1                | Voluntary Offer Safeguards Agreement and Additional Protocol with the IAEA  | Added Admin Chg 1  | 404                                   |
| DOE O 142.3BA-<br>Chg 1-<br>2(MinLtdChg) | Unclassified Foreign Visits and Assignment  | Updated to Chg 1, correct date issuance,<br>Updated to version A<br>Updated to Chg 1 (MinChg), Updated to Chg 2 (LtdChg), Updated to version B | M037<br>210, 253,<br>645, 729,<br>785 |
| DOE O 150.1 A                            | Continuity Programs   | Added<br>Updated to version A  | M065<br>463                           |
| DOE O 151.1GD<br>Chg 1 (Min Chg)         | Comprehensive Emergency Management System   | Added<br>Updated to version D, Updated to Chg 1 (Min Chg)  | M003, 645,<br>720                     |
| DOE O 153.1                              | Departmental Radiological Emergency Response Assets   | Added  | M003                                  |
| DOE N 153.2                              | Connectivity to National Atmospheric-Release Advisory Center (NARAC)  | Delete. Superseded by DOE O 153.1  | M037                                  |
| DOE O 200.1A<br>Chg 1 (MinChg)           | Information Management Program<br>Information Technology Management   | Changed name; Updated to version A<br>Updated to Chg 1 (MinChg)  | M065, 404,<br>645                     |
| DOE M 200.1-1,<br>Chapter 9              | Public Key Cryptography and Key-Management  | Delete. No CRD.  | 210                                   |
| NNSA SD 205.1                            | Baseline Cybersecurity Program  | Added, Corrected the issuance date   | 674, 785                              |
| DOE P 205.1                              | Departmental Cyber Security-Management Policy   | Delete. No CRD.  | 210                                   |

## SEC J - Appendix G Modifications to Applicable Directives

| Directive #                   | DOE Directive Title  | Change   | Change Mod #                  |
|-------------------------------|--|--|-------------------------------|
| DOE O 205.1CB-<br>Chg 3       | Department of Energy Cyber Security Program<br><br>Note: NAP-14.1C 14.1D dated 12/14/12, 14.2C 14.1 C Chapter VII only and 14.3B dated 05/02/08 are implemented through this directive. The NAPs are not accessible to the public. | Added NAPs 14.1C, 14.2C, and 14.3B. Delete NAPs 14.11, 14.12, 14.13, 14.1.4, and 14.16; superseded by the aforementioned NAPs. Updated to version B, admin chg 1 then updated to admin chg 2 and changed note with update to new NAP 14.1D. Fixed Typo of 14.2C to 14.1C.<br>Updated to Chg 3 and changed title from Management to Program. Deleted NAP-14.1C 14.1D dated 12/14/12, 14.2C 14.1 C Chapter VII only and 14.3B. Updated to 1C | M037, 353, 463, 513, 677, 709 |
| DOE N 205.2                   | Foreign National Access to DOE Cyber Systems   | Delete. Superseded by DOE M 205.1-3  | M037                          |
| DOE N 205.3                   | Password Generation, Protection, and Use   | Delete. Superseded by DOE M 205.1-4  | M018                          |
| DOE N 205.8                   | Cyber Security Requirements for Wireless Devices and Information Systems   | Delete. Superseded by DOE M 205.1-4  | M018                          |
| DOE N 205.9                   | Certification and Accreditation Process for Information Systems Including National Security Systems  | Delete. Superseded by DOE M 205.1-4  | M018                          |
| DOE N 205.10                  | Cyber Security Requirements for Risk Management  | Delete. Superseded by DOE M 205.1-4  | M018                          |
| DOE N 205.11                  | Security Requirements for Remote Access to DOE and Applicable Contractor Information Technology Systems  | Delete. Superseded by DOE M 205.1-4  | M018                          |
| DOE M 205.1-3,<br>Admin Chg 1 | Telecommunications Security Manual<br><br>Note: This document is not accessible to the public.   | Updated to Admin Chg 1; Deleted per DOE Order 470.6  | 353, 513, 677                 |
| DOE M 205.1-4                 | National Security Systems Manual   | Deleted by DOE O 205.1B, Admin Chg 1   | 353                           |
| DOE M 205.1-5                 | Cyber Security Process Requirements Manual<br><br>This Manual is implemented by NAPs 14.1-C and 14.2-C dated 5/2/08. These NAPs are not accessible to the public   | Added. Deleted by DOE O 205.1B Admin Chg 1   | M065,353                      |
| DOE M 205.1-6                 | Media Sanitization Manual<br><br>This Manual is implemented by NAP-14.1C dated 5/2/08. This NAP is not accessible to the public.   | Added. Deleted by DOE O 205.1B Admin Chg 1   | M065,353                      |

## SEC J - Appendix G Modifications to Applicable Directives

| Directive #                  | DOE Directive Title  | Change   | Change Mod #      |
|------------------------------|--|--|-------------------|
| DOE M-205.1-7                | <del>Security Controls for Unclassified-<br/>Information Systems</del><br><br>This Manual is Implemented by NAPs-<br>14.1-C and 14.2-C dated 5/2/08. These<br>NAPs are not accessible to the public. | Added. Deleted by DOE O 205.1B<br>Admin Chg 1                      | M069,353          |
| DOE M-205.1-8                | <del>Cyber Security Incident Management-<br/>Manual</del><br><br>This Manual is Implemented by NAPs-<br>14.1-C and 14.2-C dated 5/2/08. These<br>NAPs are not accessible to the public.              | Added. Deleted by DOE O 205.1B<br>Admin Chg 1                      | M069,353          |
| DOE O 206.1 Chg<br>1(MinChg) | <del>Department of Energy Privacy Program</del><br><br>This Order is Implemented by NAPs 14.1-<br>C and 14.2-C dated 5/2/08. These NAPs-<br>are not accessible to the public.                        | Added. Deleted Note by NAP 14.1D,<br>Updated to add admin chg 1.   | M069, 353,<br>697 |
| DOE O 206.2                  | Identity, Credential, and Access<br>Management (ICAM)  | Added.   | 363               |
| NNSA SD 206.2                | Implementation Of Personal Identity<br>Verification For Uncleared Contractor   | Added  | 720               |
| DOE N-206.4                  | <del>Uncleared Contractors dated April 14,-<br/>2018</del>   | Added<br>Delete. Superseded by DOE O 206.2                         | M003<br>363       |
| DOE N-206.5                  | <del>Response and Notification Procedures for<br/>Data Breaches Involving Personally-<br/>Identifiable Information</del>   | Added<br><br>Deleted, cancelled by DOE O 206.1                     | M037<br><br>159   |
| DOE O 210.2A                 | DOE Corporate Operating Experience<br>Program  | Updated to version A   | 253               |
| DOE O 221.1AB                | Reporting Fraud, Waste, and Abuse to the<br>Office of Inspector General  | Updated to version A<br>Updated to version B                       | M037, 645         |
| DOE O 221.2A                 | Cooperation With The Office of Inspector<br>General  | Updated to version A   | M069              |
| DOE O 225.1B                 | Accident Investigations  | Updated from version A to version B                                | 253               |
| DOE O 226.1B                 | Implementation of Department of Energy<br>Oversight Policy   | Added  | 785               |
| NNSA SD<br>226.1BC           | NNSA Site Governance   | Added, Updated from version C                                      | 637, 726          |
| DOE O 226.1A                 | <del>Implementation of Department of Energy-<br/>Oversight Policy</del>  | Deleted. Clauses H-4 and H-7 provide<br>the requirements           | 258               |
| DOE O 227.1A                 | Independent Oversight Program  | Added,<br>Updated to A   | 253, 619          |
| DOE O 231.1B,<br>Admin Chg 1 | Environment, Safety, and Health<br>Reporting   | Updated from version A to version B;<br>updated to add admin chg 1 | 253, 353          |
| DOE M-231.1-1A,<br>Chg 2     | <del>Environment, Safety, and Health-<br/>Reporting Manual</del>   | Deleted by DOE O 231.1B  | 253               |
| DOE M-231.1-2                | <del>Occurrence Reporting and Processing of-<br/>Operations Information</del>  | Deleted by DOE O 232.2   | 253               |

## SEC J - Appendix G

### Modifications to Applicable Directives

| Directive #   | DOE Directive Title   | Change   | Change Mod #                       |
|---|---|--|------------------------------------|
| DOE O 232.2A<br><del>Admin Chg 1</del><br>Chg1 (MinChg) | Occurrence Reporting and Processing of Operations Information   | Added<br>Updated to add Chg 1.<br>Updated to A. Updated to add admin chg 1   | 253, 463,<br>645, 726              |
| DOE N 234.1   | <del>Reporting of Radioactive Sealed Sources</del>  | Added<br><br>Deleted, cancelled by DOE O 231.1B  | M040<br><br>253                    |
| DOE O 241.1B<br>Chg 1 (Admin Chg)                       | Scientific and Technical Information Management   | Updated from version A, Chg 1 to version B; Updated to version 1B Chg 1 (Admin Chg)  | 210, 619                           |
| <del>DOE O 243.1A</del><br>DOE O 243.1 B<br>Admin Chg 1 | Records Management Program  | Added Section CRD, Paragraphs 1.a.(3), 1.d, 1.e, 1.g, 1.h, 1.i, 1.k, and 2 only.<br><br>Added in its entirety. Updated to version A. Updated to version B. Updated to add admin chg 1. | M065<br><br>M093, 291,<br>363, 400 |
| DOE O 243.2   | Vital Records   | Added<br>Retained CRD Paragraphs 1, 2, & 3 only. Deleted by DOE O 243.1B   | M063<br>253, 363                   |
| DOE O 251.1B  | <del>Departmental Directives Program</del>  | Delete. No CRD.  | 210                                |
| DOE M 251.1-1B  | <del>Directives System Manual</del>   | Delete. No CRD.  | 210                                |
| SD251.1AB   | Directives Management   | Added; Updated to version B  | 674, 770                           |
| DOE O 252.1A,<br>Admin Chg 1                            | Technical Standards Program   | Updated to version A, updated to Admin Chg 1   | 210, 353                           |
| DOE O 341.1A  | Federal Employee Health Services Paragraph 4b and Attachment 1, Paragraph 2a only   | Added  | M018                               |
| DOE Order 350.3<br>Chg1 (MinChg)                        | Labor Standards Compliance, Contractor Labor Relations, and Contractor Workforce Restructuring Programs   | Added  | 709                                |
| DOE O 350.1<br>Chg. 67                                  | Contractor Human Resource Management Programs   | Added, updated to Chg 7  | 677, 739                           |
| DOE O 350.2B  | <del>Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C., Area</del>      | Updated from version A to version B<br>Cancelled by DOE N 251.115.   | 253, 619                           |
| NNSA SD O-350.2, Rev 1                                  | <del>Use of Management and Operating or Other Facility Management Contractor Employees for Services to the NNSA in the Washington, D.C., Area</del> | Added, updated to add version 1; changed number and title<br>Deleted, replaced by NAP-31   | 291, 353,<br>637                   |
| DOE O 410.2,<br>Admin Chg 1                             | Management of Nuclear Materials   | Added<br>Updated to add admin chg 1.   | 151, 513                           |
| DOE O 411.2   | Scientific Integrity  | Added  | 652                                |
| DOE P 411.2A  | DOE Scientific Integrity Policy   | Added  | 652                                |
| DOE O 412.1A  | <del>Work Authorization System</del>  | Delete. No CRD.  | 210                                |
| NAP-413.1   | Data Collection for Cost Estimating   | Added  | 709                                |
| DOE O 413.1B  | Internal Control Program  | Updated from version A to version B  | M069                               |

## SEC J - Appendix G

### Modifications to Applicable Directives

| Directive #   | DOE Directive Title   | Change   | Change Mod #                       |
|---|---|--|------------------------------------|
| DOE O 413.2C<br>Chg 1B, Admin-<br>Chg 1                       | Laboratory Directed Research & Development  | Updated to Admin Chg 1<br>Updated to 2C, Updated to Chg 1 (MinChg)   | 210, 580,<br>785                   |
| <del>DOE O 413.3A,<br/>Chg. 1</del>                           | <del>Program and Project Management for the Acquisition of Capital Assets</del>   | <del>Updated to Chg. 1<br/>Deleted</del>   | <del>M066<br/>M093</del>           |
| DOE O 413.3B<br>Chg 2-3-4 (PgChg<br>MinChg), 5, 6<br>(LtdChg) | Program and Project Management for the Acquisition of Capital Assets  | Added<br>Updated to Chg 2 (PgChg)<br>Updated to Chg 3 (PgChg); Updated to Chg 4 (MinChg); Updated to Chg 5,<br>Updated to Chg 6 (LtdChg) | 210, 619,<br>645, 674,<br>677, 785 |
| <del>DOE G 413.3-3</del>                                      | <del>Safeguards and Security for Program and Project Management</del>   | <del>Added<br/>Delete. No CRD.</del>   | <del>M018<br/>210</del>            |
| DOE O 414.1D,<br>Admin Chg 2<br>(LtdChg)                      | Quality Assurance   | Updated from version C to version D,<br>Added Admin Chg 1, Updated to Chg 2 (LtdChg)   | 253, 404,<br>755                   |
| DOE O 415.1,<br>Admin Chg 1<br>Chg 2 (MinChg)                 | Information Technology Project Management   | Added<br>Updated to Chg 2 (MinChg)   | 353, 645                           |
| DOE O 420.1C,<br>Chg 1 B, Chg. 1-<br>Chg 2 3 (Min-<br>LtdChg) | Facility Safety   | Updated to Chg. 1, Updated to add version C, Updated to Chg. 1, Updated to Chg 2 (Min Chg), Updated to Chg 3 (LtdChg)                    | 159, 353,<br>533, 702,<br>726      |
| <del>DOE G 420.1-1</del>                                      | <del>Nonreactor Nuclear Safety Design Criteria and Explosives Safety Criteria Guide for use with DOE O 420.1, Facility Safety</del> | <del>Delete. No CRD.</del>   | <del>210</del>                     |
| DOE O 420.2C  | Safety of Accelerator Facilities  | Updated from version B to version C  | 253                                |
| <del>DOE G 420.2-1</del>                                      | <del>Accelerator Facility Safety Implementation Guide</del>   | <del>Delete. No CRD.</del>   | <del>210</del>                     |
| DOE O 422.1,<br>Admin Chg 1<br>23 (MinChg)                    | Conduct of Operations   | Added, Added Admin Chg 1. Updated to Admin Chg 2, Updated to Chg 3 (MinChg)  | 175, 404,<br>580, 726              |
| DOE O 425.1D,<br>Admin Chg 1<br>2 (MinChg)                    | Verification of Readiness to Startup or Restart Nuclear Facilities  | Updated from version C to version D,<br>Updated to add admin chg 1, Updated to add admin Chg 2 (MinChg)                                  | 165, 353,<br>726                   |
| DOE O 426.2,<br>Admin Chg 1                                   | Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities                             | Added, Added Admin Chg 1   | 165, 404                           |
| DOE O 430.1CB,<br>Chg 2-<br>Chg 1 (MinChg)                    | Real Property Asset Management  | Updated to Chg. 1 to add changes to attachment 6. Updated to add Chg 2. Updated to version C. Updated to Chg. 1 (MinChg)                 | M037, 253,<br>652, 726             |
| NNSA SD 430.1   | Real Property Asset Management  | Added  | 684                                |
| <del>DOE O 430.2B</del>                                       | <del>Departmental Energy, Renewable Energy, and Transportation Management</del>   | <del>Updated from version A to version B.<br/>Deleted by DOE O 436.1.</del>  | <del>M037, 291</del>               |
| DOE O 433.1B,<br>Admin Chg 1                                  | Maintenance Management Program for DOE Nuclear Facilities   | Updated from version A to version B,<br>Added Admin Chg 1  | 165, 404                           |
| DOE N 435.1   | Contact-Handled and Remote -Handled Transuranic Waste Packaging   | Added  | 253                                |

## SEC J - Appendix G

### Modifications to Applicable Directives

| Directive #                               | DOE Directive Title  | Change   | Change Mod #        |
|---|--|--|---------------------|
| DOE O 435.1, Chg 1-Chg 2 (AdminChg)       | Radioactive Waste Management   | Added; Updated to Chg 2 (AdminChg)   | M003, 770           |
| DOE M 435.1-1, Admin-Chg 2-Chg 3 (LtdChg) | Radioactive Waste Management Manual  | Updated to add Admin Chg 2. Updated to Chg 3 (LtdChg)  | 253, 770            |
| DOE O 436.1                               | Departmental Sustainability  | Added. Only the following CRD Sections: 1 <sup>st</sup> paragraph; paragraph 1. and 2.a in its entirety; and paragraph 2.b as follows: Environmental Management Systems (EMS). Site sustainability goals must be integrated into the EMS's. Contractor is ISO 14001 certified. | 291                 |
| DOE O 437.1                               | Bridge and Tunnel Management dated   | Added  | 770                 |
| DOE M 440.1-1A                            | <del>DOE Explosives Safety Manual</del>  | Deleted by DOE STD 1212-2012   | M003, 353           |
| DOE O 440.2C, Admin Chg 12 (LtdChg)       | Aviation Management and Safety   | Updated from version B to version C and added admin Chg 1 , updated to Chg 2 (LtdChg)  | 253, 755            |
| DOE M 441.1-1                             | Nuclear Material Packaging Manual  | Added  | M037                |
| DOE O 442.1AB                             | Department Of Energy Employee Concerns Program   | Added, Updated to 442.1B   | M003, 702           |
| DOE M 442.1-1                             | <del>Differing Professional Opinions for Technical Issues Involving ES&amp;H</del>             | Deleted by DOE O 442.2   | 253                 |
| DOE O 442.2 Chg 1 (PgChg)                 | Differing Professional Opinions for Technical Issues Involving ES&H Technical Concerns         | Added<br>Updated to Chg 1 (PgChg)  | 253, 645            |
| DOE O 443.1BC Chg1 (PgChg)                | Protection of Human Research Subjects  | Added. Updated from version A to version B<br>Updated to Chg1 (PgChg), Updated to version C  | M037, 253, 619, 729 |
| DOE N 443.1                               | Protection of Human Subjects in Classified Research  | Added  | 619                 |
| DOE O 450.1A                              | <del>Environmental Protection Program</del>  | Corrected to Chg 3<br>Updated to version A, Deleted by DOE O 436.1   | M018<br>M065, 291   |
| DOE M 450.3-1                             | <del>Department of Energy Closure Process for Necessary and Sufficient Sets of Standards</del> | Delete Cancelled by DOE N 251.103  | 210                 |
| DOE M 450.4-1                             | <del>Integrated Safety Management System Manual</del>  | Deleted by DOE O 450.2   | 253                 |
| DOE P 450.7                               | <del>Environment, Safety, and Health (ESH) Goals</del>   | Delete. No CRD.  | 210                 |
| DOE O 451.1B, Chg 1                       | <del>National Environmental Policy Act Compliance Program — Change 1</del>                     | Delete. No CRD.  | 210                 |
| DOE O 452.1E 1D, Admin Chg 1              | Nuclear Explosive and Weapon Surety Program  | Updated from version C to version D, Added Admin Chg 1, Updated from version D to E  | M093, 404, 533      |
| DOE O 452.2FE-2D, Admin Chg 1             | Nuclear Explosive Safety   | Updated from version C to version D, Added Admin Chg 1, Updated from version D to E, Updated to version F  | M093, 404, 533, 755 |

## SEC J - Appendix G Modifications to Applicable Directives

| Directive #                            | DOE Directive Title  | Change   | Change Mod #       |
|--|--|--|--------------------|
| <del>DOE M 452.2-1A, Admin Chg 1</del> | <del>Nuclear Explosive Safety Manual</del>   | Updated to version A, Added Admin Chg 1; Deleted   | M093, 404, 533     |
| <del>DOE M 452.2-2, Admin Chg 1</del>  | <del>Nuclear Explosive Safety Evaluation Processes</del>                                     | Added, Added Admin Chg 1, Deleted  | M093, 404, 574     |
| NNSA SD 452.2A                         | Nuclear Explosives Safety Evaluation Processes   | Added ; updated to version A   | 513; 674           |
| DOE O 452.3                            | Management of the Department of Energy Nuclear Weapons Complex                               | Added  | M003               |
| NNSA SD 452.3-1A                       | Defense Programs Business Process System   | Added  | 619                |
| NNSA SD 452.4 Admin Chg 1,             | Implementation and Evaluation of Controls to Prevent Deliberate Unauthorized Use             | Added  | 755                |
| <del>NNSA SD M-452.3-1</del>           | <del>Defense Programs Business Requirements Manual and Processes Manual</del>                | Added<br>Cancelled by NNSA SD 452.3-1A   | 159, 619           |
| NNSA SD 452.3-2                        | Phase 6.X Process  | Added  | 652                |
| <del>DOE M 452.4.1A</del>              | <del>Protection of Use Control Vulnerabilities and Designs</del>                             | Added<br>Delete. Cancelled by DOE O 452.7  | M003,159           |
| DOE O 452.4B 4C                        | Security and Use Control of Nuclear Explosives and Nuclear Weapons                           | Updated from version A to version B; updated from version B to version C.  | 159, 574           |
| DOE O 452.6A Chg 1 (Admin Chg)         | Nuclear Weapon Surety Interface with the Department of Defense                               | Added. Cancels DOE O 5610.13<br>Updated to version A, Updated to Chg 1 (Admin Chg)   | M065<br>M093, 785  |
| DOE O 452.7 Chg 1 (AdminChg)           | Protection of Use Control Vulnerabilities and Designs  | Added, Updated   | 159, 745           |
| DOE O 452.8                            | Control of Nuclear Weapon Data   | Added  | 253                |
| <del>DOE N 456.1</del>                 | <del>Safe Handling of Unbound Engineered Nanoparticles</del>                                 | Added. Cancelled by DOE O 456.1  | M109, 291          |
| <del>DOE O 456.1A, Admin Chg 1</del>   | <del>The Safe Handling of Unbound Engineered Nanoparticles</del>                             | Added, added Admin Chg 1<br>Updated to version A   | 258, 353, 619      |
| DOE O 457.1A                           | Nuclear Counterterrorism   | Added version A  | 404                |
| <del>DOE M 457.1-1</del>               | <del>Control of Improvised Nuclear Device Information</del>                                  | Deleted by DOE O 457.1A  | 404                |
| DOE O 458.1 Admin Chg 2-34             | Radiation Protection of the Public and the Environment                                       | Added. Added Chg 1 and deleted DOE O 5400.5, Chg 2. Updated from Chg 1 to Chg 2. Updated to Admin Chg 3, Updated to Chg 4 (LtdChg) | 210, 253, 353, 755 |
| DOE O 460.1DC                          | Hazardous Materials Packaging and Transportation Safety                                      | Updated from version B to version C<br>Revised title and updated to version D  | 159, 652           |
| DOE O 460.2A                           | Departmental Materials Transportation & Packaging Management                                 | Added  | M003               |
| DOE M 460.2-1A                         | Radioactive Material Transportation Practices  | Updated to version A   | M037               |
| DOE O 461.4B1C                         | Packaging and Transportation for Offsite Shipment of Materials of National Security Interest | Updated from version A to version B<br>Updated from version B to version C   | 210, 619           |
| <del>DOE M 461.1-1, Chg 1</del>        | <del>Packaging and Transfer of Materials of National Security Interest Manual</del>          | Deleted by DOE O 461.2   | 253                |

## SEC J - Appendix G Modifications to Applicable Directives

| Directive #                                    | DOE Directive Title  | Change  | Change Mod #     |
|--|--|---|------------------|
| DOE O 461.2                                    | Onsite Packaging and Transfer of Materials of National Security Interest   | Added   | 210              |
| DOE O 462.1<br>Admin Chg 1                     | Import and Export of Category 1 and 2 Radioactive Sources Aggregated Quantities  | Added   | 513              |
| DOE P 470.1                                    | Integrated Safeguards and Security Management (ISSM) Policy  | Delete. No CRD.   | 210              |
| DOE O 470.2B                                   | Independent Oversight and Performance Assurance Program  | Deleted and replaced with DOE O 227.1   | 253              |
| DOE O 470.3B                                   | Graded Security Protection (GSP) Policy  | Updated to version B and changed title from "Design Basis Threat Policy (U)" to "Graded Security Protection (GSP) Policy"<br>Deleted. Cancelled by DOE O 470.3C | 513<br>637       |
| DOE O 470.3C<br>Chg 1 (LtdChg)                 | Design Basis Threat (DBT) Order Change 1   | Added, Updated to Change 1  | 637, 755         |
| DOE O 470.4B,<br>Chg 2 (MinChg)<br>Admin Chg 1 | Safeguards and Security Program  | Added<br>Updated to Chg 2 (MinChg)  | 432, 645         |
| DOE O 470.4A                                   | Safeguards and Security Program  | Updated to version A<br>Delete. No CRD.   | M018<br>210      |
| DOE M 470.4-1,<br>Chg 1                        | Safeguards and Security Program Planning and Management  | Added.<br>Canceled by DOE O 470.4B  | M003, 432        |
| NNSA SD 470.4-2<br>Admin Chg 1                 | Enterprise Safeguards and Security Planning and Analysis Program   | Added, Updated to Admin Chg 1   | 689, 785         |
| NAP 70.2, Admin<br>Chg 1                       | Physical Protection  | Added. Added Admin Chg 1<br>Delete.   | 167, 253,<br>432 |
| DOE M 470.4-2A                                 | Physical Protection; Added, implementation of new requirements suspended pending issuance of supplemental direction from NNSA HQ | Updated from Chg 1 to version A. Implementation caveat revised to only suspend implementation of new Manual requirements. Delete. Replaced by NAP 70.2          | 151,<br>158,167  |
| DOE M 470.4-3,<br>Chg 1                        | Protective Force; Attachment 2; CRD, Section C only  | Delete attachment 2, CRD, except for Section C, Deleted by DOE O 473.3  | M071, 291        |
| DOE M 470.4-3A                                 | Contractor Protective Force  | Added.<br>Delete. Superseded by DOE O 473.3   | M071, 432        |
| NAP 70.4, Admin<br>Chg 1                       | Information Security   | Added. Added Admin Chg 1<br>Delete. Replaced by DOE O 471.6   | 167, 253,<br>432 |
| DOE M 470.4-4,<br>Chg 1                        | Information Security   | Delete. Replaced by NAP 70.4  | 167              |
| DOE M 470.4-5                                  | Personnel Security   | Added Expires 1/21/2012, Cancelled by DOE O 472.2   | 253, 291         |
| DOE M 470.4-6,<br>Chg 1                        | Nuclear Material Control and Accountability  | Added.<br>Deleted. Cancelled by DOE O 474.2   | M003, 432        |
| DOE M 470.4-7                                  | Safeguards and Security Program References   | Delete. Cancelled by DOE N 251.84   | 159              |
| DOE O 470.5                                    | Insider Threat Program   | Added.  | 580              |



## SEC J - Appendix G

### Modifications to Applicable Directives

| Directive #  | DOE Directive Title  | Change   | Change Mod #     |
|--|--|--|------------------|
| <del>DOE O 470.6;</del><br>DOE O 470.6 Chg 1 (MinChg)      | Technical Security Program   | Added, Updated to Chg 1  | 645,674          |
| NNSA ACD-470.6   | Use Of Mobile Devices Within National Nuclear Security Administration Secure Spaces  | Added  | 720              |
| DOE O 471.1B   | Identification and Protection of Unclassified Controlled Nuclear Information   | Updated from version A to version B  | 151              |
| NNSA SD 471.6  | Operations Security Program  | Added  | 739              |
| <del>DOE M 471.1-1,</del><br><del>Chg. 1</del>             | <del>Identification and Protection of Unclassified Controlled Nuclear Information Manual</del>   | Delete. Cancelled by DOE O 471.1B  | 159              |
| <del>DOE M 471.2-2</del>                                   | <del>Classified Information Systems Security Manual Chapters I to VIII and the CRD for Classified Systems and Accreditation Only</del> | Added Chapters I to VII and the CRD but only for classified information systems that was omitted with the issuance of DOE M 205.1-3 and 205.1-4 Deleted. | M018, 291        |
| <del>DOE M 471.2-3B</del>                                  | <del>Special Access Program Policies, Responsibilities, and Procedures</del>   | Updated from version A to version B. Deleted by DOE O 471.5  | M018, 253        |
| DOE O 471.3,<br>Admin Chg 1                                | Identifying and Protecting Official Use Only Information   | Updated to Admin Chg 1   | 210              |
| DOE M 471.3-1.,<br>Admin Chg 1                             | Manual for Identifying and Protecting Official Use Only Information  | Added Admin Chg 1  | 404              |
| DOE O 471.5  | Special Access Programs  | Added  | 253              |
| DOE O 471.6,<br>Admin Chg 1-2-3                            | Information Security   | Added; Updated to Chg 2; updated to Chg 3  | 432, 574,<br>720 |
| DOE O 472.2 Chg 1  | Personnel Security   | Added and implement by 1/21/2012 Updated to Chg 1  | 253, 513         |
| <del>DOE O 473.3A-</del><br>DOE O 473.3A<br>Chg 1 (MinChg) | Protection Program Operations  | Added<br>Updated to version A; Updated to Chg 1  | 432, 628,<br>674 |
| NNSA SD 473.3  | Enterprise Mission Essential Task List-based Protective Force Training Program   | Added  | 574              |
| DOE O 474.2,<br>Admin Chg 2-<br>3Chg 4 (PgChg)             | Nuclear Material Control and Accountability  | Added; Updated to Chg 3<br>Updated to Chg 4 (PgChg)  | 432, 574,<br>645 |
| DOE O 475.1  | Counterintelligence Program  | Added  | M003             |
| DOE O 475.2B   | Identifying Classified Information   | Added version A<br>Added version B   | 253, 513         |
| DOE M 475.1-1B   | Manual for Identifying Classified Information  | Deleted by DOE O 475.2A  | 253              |
| DOE M 481.1-1A,<br>Chg 1                                   | Reimbursable Work for Non-Federal Sponsors Process Manual  | Added  | M003             |
| DOE O 482.1  | DOE Facilities Technology Partnering Programs  | Cancelled by DOE N 252.111   | 291              |
| <del>DOE O 483.1,</del><br>Admin Chg 1                     | <del>DOE Cooperative Research &amp; Development Agreements</del>   | Added Admin Chg 1; Cancelled by DOE O 483.1A   | 404, 432         |

## SEC J - Appendix G Modifications to Applicable Directives

| Directive #                                      | DOE Directive Title   | Change  | Change Mod #           |
|--|---|---|------------------------|
| DOE O 483.1AB<br>Chg 12 (Min-LtdChg)             | DOE Cooperative Research and Development Agreements   | Replaces DOE O 483.1, Admin Chg 1, Updated to B; Updated to Chg 1 (Min Chg), Updated to Chg 2 (Ltd Chg)                           | 432, 645, 702, 729     |
| DOE M 483.1-1                                    | DOE Cooperative Research & Development Agreements Manual  | Delete. No CRD.   | 210                    |
| DOE 484.1,<br>Admin Chg 1-2                      | Reimbursable Work for Department of Homeland Security   | Updated to Chg 2  | 253, 580               |
| DOE O 486.1A                                     | Foreign Government Sponsored Or Affiliated Activities   | Added, Updated  | 709, 753               |
| DOE O 520.1B                                     | Financial Management and Chief Financial Officer Responsibilities   | Added   | 774                    |
| DOE O 522.1A                                     | Pricing of Departmental Materials and Services  | Added Retain CRD Paragraphs 1, 2, & 3 only; Updated to version A  | 253, 684               |
| DOE O 534.1B                                     | Accounting  | Added   | M003                   |
| DOE O 550.1 Chg 1 (LtdChg)                       | Official Travel   | Added, Updated to Chg 1 (LtdChg)  | 720, 729               |
| DOE O 551.1D-<br>Chg 1 Chg 2<br>(Minor Revision) | Official Foreign Travel   | Updated from version B to version C-<br>Updated to version D; Updated to Chg 1-<br>Updated to Chg 2 (Minor Revision);<br>Deleted. | M037, 291,<br>574, 645 |
| DOE O 580.1,<br>Chg 1                            | Department of Energy Personal Property Management Program and 41 CFR 109-1.53, 41 CFR 109-38, and 41 CFR 109-50.1 | Updated to Chg. 1; Deleted by DOE O 580.1A, Admin Chg 1   | M037, 363              |
| DOE O 580.1A,<br>Admin Chg 1                     | Department of Energy Personal Property Management Program and 41 CFR 109-1.53, 41 CFR 109-38, and 41 CFR 109-50.1 | Replaces DOE O 580.1, Chg 1<br>Deleted  | 363, 645               |
| DOE O 1220.1A,<br>Chg. 1                         | Congressional & Intergovernmental Affairs   | Deleted by DOE N 251.104  | 253                    |
| DOE O 1340.1B                                    | Management of Public Communications and Scientific, Technical, and Engineering Publications                       | Delete. Cancelled by DOE N 251.88   | 210                    |
| DOE O 1450.4                                     | Consensual Listening In to or Recording Telephone/Radio Conversations   | Deleted by DOE N 251.107  | 253                    |
| DOE O 5400.5,<br>Chg 2                           | Radiation Protection of the Public and the Environment  | Delete. Cancelled by DOE O 458.1  | 210                    |
| DOE O 5480.19,<br>Chg 2                          | Conduct of Operations Requirements for DOE Facilities   | Delete. Cancelled by DOE O 422.1  | 175                    |
| DOE O 5480.20A,<br>Chg 1                         | Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities                          | Delete. Cancelled by DOE O 426.2  | 165                    |
| DOE O 5530.1A                                    | Accident Response Group   | Delete. Cancelled by DOE O 153.1  | M093                   |
| DOE O 5530.2                                     | Nuclear Emergency Search Team   | Delete. Cancelled by DOE O 153.1  | M093                   |
| DOE O 5530.3,<br>Chg. 1                          | Radiological Assistance Program   | Delete. Cancelled by DOE O 153.1  | M093                   |
| DOE O 5530.4                                     | Aerial Measuring System   | Delete. Cancelled by DOE O 153.1  | M093                   |
| DOE O 5530.5,<br>Chg. 1                          | Federal Radiological Monitoring & Assessment Center   | Delete. Cancelled by DOE O 153.1  | M093                   |

## SEC J - Appendix G Modifications to Applicable Directives

| Directive #                      | DOE Directive Title  | Change  | Change Mod #   |
|----------------------------------|--|---|----------------|
| DOE O 5610.2,<br>Chg 1.          | Control of Weapon Data   | Deleted by DOE O 452.8  | 253            |
| DOE O 5610.13                    | Joint Department of Energy/Department of Defense Nuclear Weapon System Safety, Security, and Control Activities              | Delete. Cancelled by DOE O 452.6  | M065           |
| DOE O 5639.8A                    | Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities                              | Added   | M003           |
| DOE O 5660.1B                    | Management of Nuclear Materials  | Delete. Cancelled by DOE O 410.2  | 159            |
| DOE O 5670.1A                    | Management and Control of Foreign-Intelligence   | Delete. NA for Contractor   | 210            |
| SEN-22-90                        | DOE Policy on Signatures of RCRA-Permit Applications   | Delete. Cancelled by DOE N 251.78   | 159            |
| DOE STD-1020-2002                | Natural Phenomena Hazards Design-Evaluation Criteria for Department of Energy Facilities                                     | Delete. Referenced in DOE O 420.1C  | 432            |
| DOE STD-1021-1993, Change 1      | Natural Phenomena Hazards-Performance Categorization Guidelines for Structures, Systems, and Components                      | Added; Delete.  | M003, 574      |
| DOE STD-1022-1994, Change 1      | Natural Phenomena Hazards-Characterization Criteria  | Added; Delete.  | M003, 574      |
| DOE STD-1023-1995, Change 1      | Natural Phenomena Hazards Assessment Criteria  | Added; Delete.  | M003, 574      |
| DOE-STD-1027-92, Change 1        | Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23 Nuclear Safety Analysis Reports | Added.  | M003           |
| DOE-STD-1073-2003                | Department of Energy Standard-Configuration Management   | Delete. Referenced in DOE O 420.1C  | 432            |
| DOE-STD-1090-2011-2020           | Hoisting and Rigging   | Added, updated to version 2011; Updated to version 2020                       | M037, 291, 755 |
| DOE-STD-1095-2011-2018           | Department of Energy Laboratory Accreditation Program for Personnel Dosimetry  | Added, Updated to 2018  | 210, 697       |
| DOE STD-1098-2008, Chg 1         | DOE Standard Radiological Control  | Updated from 1999, Chg 1 to 2008. Deleted                                     | M093, 432, 712 |
| DOE STD HDBK-1129-2008-2015      | Tritium Handling and Safe Storage, Section 6.6 only  | Updated from 1999 to 2008, section 6.6 only<br>Supersedes DOE HDBK 1129-2008. | M003, 159, 619 |
| DOE-STD-1186-2004                | Specific Administrative Controls   | Delete. Referenced in DOE O 420.1C  | 432            |
| DOE-STD-1189-2008                | Integration of Safety into the Design-Process  | Added; Delete. Referenced in DOE O 420.1C                                     | M066, 432      |
| DOE STD-1190-2007                | DOE Standard Illness and Injury-Surveillance Program Guidelines  | Added, Deleted No longer funded   | 291, 404       |
| DOE Technical Standard 1207-2012 | Protection Program Defensive Planning for Fixed Facilities   | Added   | 709            |

## SEC J - Appendix G Modifications to Applicable Directives

| Directive #   | DOE Directive Title  | Change  | Change Mod #       |
|---|--|---|--------------------|
| <del>DOE-STD-1210-2012</del>                        | Incidents of Security Concern  | Added, <del>Deleted No Longer Required</del>  | 770                |
| DOE STD 1212-20129                                  | Explosives Safety  | Added, Updated to 2019  | 353, 729           |
| DOE-STD-1231-2018                                   | Preparation and Conduct of Protective Force Performance Testing (OUO)  | Added   | 697                |
| DOE-STD-3006- <del>2000</del> 2010                  | Planning and Conducting Readiness Reviews  | Added. Updated to 2010 and edited title.  | M003, 619          |
| DOE-STD-3009-1994, Change Notice 3                  | Preparation Guide for U.S. DOE Nonreactor Nuclear Facility Safety Analysis Reports   | Added.  | M003               |
| DOE-STD-3011- <del>2002</del> 2016                  | <del>Guidance for Preparation of Basis for Interim Operation (BIO) Documents- Preparation Of Documented Safety Analysis For Interim Operations At DOE Nuclear Facilities</del>   | Added, Updated to 2016  | M003, 785          |
| DOE-STD-3013- <del>2004</del> <del>2012</del> 2018  | Stabilization, Packaging, And Storage Of Plutonium-Bearing Materials   | Added<br>Updated to 2012; Updated to 2018   | M003, 580, 697     |
| DOE-STD-3014- <del>1996</del> 2006                  | Accident Analysis for Aircraft Crash into Hazardous Facilities   | Added<br>Supersedes DOE-STD-3014-1996   | M003, 619          |
| DOE-STD- <del>3015-</del> 2004                      | <del>Nuclear Explosive Safety Evaluation- Process</del>  | Deleted. Cancelled by DOE M 452.2-2   | M093               |
| DOE-NA-STD-3016- <del>2006</del> 20162018           | Hazard Analysis Reports for Nuclear Explosive Operations   | Added; Updated to 2016; Updated to 2018   | M037, 645, 702     |
| DOE STD-3020- <del>2005</del> 2015                  | Specification for HEPA Filters Used by DOE Contractors   | Added.<br>Updated to 2015.  | M003, 619          |
| DOE STD-7501-99                                     | The DOE Lessons Learned Program  | Added   | M003               |
| NAP 476.1 Admin Chg 1 formerly NAP-23 Admin Chg 1   | Atomic Energy Act Control of Import and Export Activities  | Added, Renumbered   | 533, 739           |
| NAP 401.1A Admin Chg 1 formerly Revision 10 NAP-24A | DOE/NNSA Weapon Quality Policy ( <del>QC-1</del> )<br><br>Note: This document is not accessible to the public.   | QC-1 deleted by NAP-24, Added NAP-24<br>Updated to version A, Renumbered,<br>Updated to version A Admin Chg 1 | 404, 619, 739, 785 |
| NAP 540.2 formerly NAP-31                           | NNSA M&O Off-Site Extended Duty Assignments  | Added. Cancels NNSA SD 350.2, Rev. 1, Renumbered  | 637, 739           |
| NAP-412.1   | Financial Integration  | Added   | 702                |
| QP-100 Amend 4                                      | Application of Quality Requirements to UK and US Procurement Orders and Loan Authorizations for Research, Design, and Development. Note: This document is only applicable when the contractor is providing R&D, and Emergency Support for Procurement Orders issued under UKMOD. | Added<br>Updated to Amendment 4   | 291, 463           |

## SEC J - Appendix G Modifications to Applicable Directives

| Directive #                       | DOE Directive Title  | Change   | Change Mod #            |
|-----------------------------------|--|--|-------------------------|
| Development and Production Manual | Development and Production Manual<br>Note: This document is not accessible to the public.                | Chapters 1.3, 2.7, 10.1, and 11.1 are cancelled by NNSA SC M 452.3, Changes added based on RMI memos | 159, 404                |
| Technical Business Practices      | Technical Business Practices<br>Note: This document is not accessible to the public.                     | Added  | M003                    |
| Infrastructure Business Practices | Infrastructure Business Practices<br>Note: This document is not accessible to the public.                | Added  | M003                    |
| Production Realization Standards  | Production Realization Standards<br>Note: This document is not accessible to the public.                 | Added  | M003                    |
|                                   |  |  |                         |
| <del>NSO O 140.X, Chg. 1</del>    | <del>Facilities and Test Site Visits/Tours</del>   | <del>Added<br/>Delete</del>  | <del>M065<br/>151</del> |
| <del>NSO M 412.X-1D</del>         | <del>Real Estate/Operations Permits</del>  | <del>Added<br/>Delete</del>  | <del>M069<br/>151</del> |
| <del>NSO M 412.X-2</del>          | <del>Project Screening and Siting Approval Process</del>   | <del>Added<br/>Delete</del>  | <del>M069<br/>151</del> |
| <del>NSO O 412.X3C</del>          | <del>Activity Level Work Control</del>   | <del>Added<br/>Delete</del>  | <del>M069<br/>151</del> |
| <del>NSO O 440.XA</del>           | <del>Underground Operations Safety and Health</del>  | <del>Added<br/>Delete</del>  | <del>M065<br/>151</del> |
| <del>NSO O 440.X2A</del>          | <del>Site-Wide Lightning and other Hazardous Weather Detection and Protection</del>                      | <del>Added<br/>Delete</del>  | <del>M065<br/>151</del> |
| <del>NSO O 450.XA</del>           | <del>Nevada Test Site Access and Area Control</del>  | <del>Added<br/>Delete</del>  | <del>M065<br/>151</del> |
| <del>NSO M 450.X2-1</del>         | <del>Underground Nuclear Testing, Test Readiness, and Threshold Test, Ban Treaty, Ban Verification</del> | <del>Added<br/>Delete</del>  | <del>M065<br/>151</del> |
| <del>NSO O 450.X5</del>           | <del>Subcritical Experiments</del>   | <del>Added<br/>Delete</del>  | <del>M069<br/>151</del> |
| <del>NSO O 460.X</del>            | <del>Hazardous Materials Notification System</del>   | <del>Added<br/>Delete</del>  | <del>M069<br/>151</del> |
| <del>NSO O 470.X1B</del>          | <del>Facility Security Survey corrective Action-Planning</del>   | <del>Added<br/>Delete</del>  | <del>M065<br/>151</del> |
| <del>NSO O 473.XB, Chg. 1</del>   | <del>Lock and Key Control</del>  | <del>Added<br/>Delete</del>  | <del>M065<br/>151</del> |