

# PRIME CONTRACT MODIFICATION INDEX

**Fiscal Year 2025**

**Modification 1449-1489**

| Modification Reference | Type           | Description of Modification<br>Prime Contract No. <b>DE-AC36-08GO28308</b>                                                                                                                                               | Date Signed by Contracting Officer |
|------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 1449                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,094,728,084.32 obligated and includes letter dated 10/21/24.                                                                                   | 10/21/24                           |
| 1450                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,099,225,620.44 obligated and includes letter dated 10/24/24.                                                                                   | 10/24/24                           |
| 1451                   | Administrative | Deleted and Replaced:<br><ul style="list-style-type: none"> <li>Section H – Special Contract Requirements is hereby deleted and replaced, updating H.9 – Responsible Corporate Official to Ian Colrain, Ph.D.</li> </ul> | 10/30/24                           |
| 1452                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,102,768,582.44 obligated and includes letter dated 11/14/24.                                                                                   | 11/19/24                           |
| 1453                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,102,754,459.44 obligated and includes letter dated 11/19/24.                                                                                   | 11/19/24                           |
| 1454                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,107,049,346.44 obligated and includes letter dated 11/21/24.                                                                                   | 11/22/24                           |
| 1455                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,114,282,296.80 obligated and includes letter dated 11/22/24.                                                                                   | 11/22/24                           |
| 1456                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,159,623,692.13 obligated and includes letter dated 12/18/24.                                                                                   | 12/18/24                           |
| 1457                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,159,623,692.13 obligated and includes letter dated 12/19/24.                                                                                   | 12/19/24                           |
| 1458                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,184,036,814.45 obligated and includes letter dated 12/20/24.                                                                                   | 12/20/24                           |
| 1459                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,191,440,054.82 obligated and includes letter dated 12/20/24.                                                                                   | 12/20/24                           |
| 1460                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,206,263,006.85 obligated and includes letter dated 01/30/25.                                                                                   | 01/30/25                           |
| 1461                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,269,990,060.40 obligated and includes letter dated 01/31/25.                                                                                   | 01/31/25                           |
| 1462                   | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,274,951,834.58 obligated and includes letter dated 02/21/25.                                                                                   | 02/21/2025                         |

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**Fiscal Year 2025**

**Modification 1449-1489**

|        |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                                                                                                   |                            |        |                                                                                          |                           |     |                                                                                                         |                           |          |
|--------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------|----------------------------|--------|------------------------------------------------------------------------------------------|---------------------------|-----|---------------------------------------------------------------------------------------------------------|---------------------------|----------|
| 1463   | Funding                                                                                                 | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,361,866,279.88 obligated and includes letter dated 02/24/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 02/24/25 |                                                                                                   |                            |        |                                                                                          |                           |     |                                                                                                         |                           |          |
| 1464   | Administrative                                                                                          | <div>Deleted and Replaced:<ul style="list-style-type: none"><li>• <b>Section I: Contract Clauses is deleted and replaced, updating the following clauses:</b><ul style="list-style-type: none"><li>- I.49 52.223-10 Waste Management Program (May 2024)</li><li>- I.50 52.223-11 Ozone Depleting Substances and High Global Warming Potential Hydrofluorocarbons (May 2024)</li><li>- I.51 52.223-12 Maintenance, Service, Repair or Disposal of Refrigeration Equipment and Air Conditioners (May 2024)</li></ul></li><li>- <b>Section J. Attachment F, Operating and Administrative Requirements (List B)</b> is hereby deleted and replaced while updating the following CRDs:</li></ul></div> <table><tr><td>Delete</td><td>DOE O 436.1A CRD<br/>Departmental Sustainability<br/>Approved: 04/25/23<br/>Chg 1 (MinChg): 01/13/17</td><td>CRD<br/>applicable<br/>whole</td></tr><tr><td>Delete</td><td>DOE O 522.1A CRD<br/>Pricing of Departmental Materials and Services<br/>Approved: 08/02/18</td><td>CRD<br/>applicable<br/>part</td></tr><tr><td>Add</td><td>DOE O 522.1A Chg 1 (LtdChg) CRD<br/>Pricing of Departmental Materials and Services<br/>Approved: 10/28/24</td><td>CRD<br/>applicable<br/>part</td></tr></table> | Delete   | DOE O 436.1A CRD<br>Departmental Sustainability<br>Approved: 04/25/23<br>Chg 1 (MinChg): 01/13/17 | CRD<br>applicable<br>whole | Delete | DOE O 522.1A CRD<br>Pricing of Departmental Materials and Services<br>Approved: 08/02/18 | CRD<br>applicable<br>part | Add | DOE O 522.1A Chg 1 (LtdChg) CRD<br>Pricing of Departmental Materials and Services<br>Approved: 10/28/24 | CRD<br>applicable<br>part | 02/28/25 |
| Delete | DOE O 436.1A CRD<br>Departmental Sustainability<br>Approved: 04/25/23<br>Chg 1 (MinChg): 01/13/17       | CRD<br>applicable<br>whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                                                                   |                            |        |                                                                                          |                           |     |                                                                                                         |                           |          |
| Delete | DOE O 522.1A CRD<br>Pricing of Departmental Materials and Services<br>Approved: 08/02/18                | CRD<br>applicable<br>part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                                                                                                   |                            |        |                                                                                          |                           |     |                                                                                                         |                           |          |
| Add    | DOE O 522.1A Chg 1 (LtdChg) CRD<br>Pricing of Departmental Materials and Services<br>Approved: 10/28/24 | CRD<br>applicable<br>part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                                                                                                   |                            |        |                                                                                          |                           |     |                                                                                                         |                           |          |
| 1465   | Funding                                                                                                 | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,388,966,279.88 obligated and includes letter dated 03/10/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 03/10/25 |                                                                                                   |                            |        |                                                                                          |                           |     |                                                                                                         |                           |          |
| 1466   | Funding                                                                                                 | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,448,519,626.43 obligated and includes letter dated 03/13/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 03/13/25 |                                                                                                   |                            |        |                                                                                          |                           |     |                                                                                                         |                           |          |
| 1467   | Funding                                                                                                 | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,453,880,527.28.obligated and includes letter dated 03/14/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 03/14/25 |                                                                                                   |                            |        |                                                                                          |                           |     |                                                                                                         |                           |          |

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| 1468   | Administrative                                                                                                                                   | <div>Deleted and Replaced:</div> <ul style="list-style-type: none"><li>Section J – Attachment C – FY 24 Small Business Subcontracting Plan, is deleted and replaced with the FY 2025 version of the plan.</li><li>Section J – Attachment D – Special Financial Institution Account Agreement for Use with the Payments Cleared Financing Agreement is deleted and replaced with Modification 5, signed March 24, 2025.</li><li><b>Section J – Attachment F – Operating and Administrative Requirements (List B)</b> is deleted and replaced, updating the following CRDs:</li></ul> <table><tr><td>Delete</td><td>DOE O 437.1 CRD<br/>Bridge and Tunnel Management<br/>Approved: 12/11/20</td><td>CRD applicable part</td></tr><tr><td>Add</td><td>DOE O 437.1A CRD<br/>Bridge and Tunnel Management<br/>Approved: 09/23/24</td><td>CRD applicable part</td></tr><tr><td>Delete</td><td>DOE O 472.2A CRD<br/>Personnel Security<br/>Approved: 06/10/22</td><td>CRD applicable whole</td></tr><tr><td>Add</td><td>DOE O 472.2A Chg 1 (LtdChg)<br/>CRD<br/>Personnel Security<br/>Approved: 06/10/22<br/>Chg 1 (LtdChg): 10/28/24</td><td>CRD applicable whole</td></tr><tr><td>Delete</td><td>DOE O 484.1 Chg 3 (LtdChg)<br/>CRD<br/>Reimbursable Work for the Department of Homeland Security<br/>Approved: 08/17/06<br/>Chg 3 (LtdChg): 03/21/23</td><td>CRD applicable whole</td></tr><tr><td>Add</td><td>DOE O 484.1 Chg 4 (LtdChg)<br/>CRD<br/>Reimbursable Work for the Department of Homeland Security<br/>Approved: 08/17/06<br/>Chg 4 (LtdChg): 10/28/24</td><td>CRD applicable whole</td></tr></table> | Delete   | DOE O 437.1 CRD<br>Bridge and Tunnel Management<br>Approved: 12/11/20 | CRD applicable part | Add | DOE O 437.1A CRD<br>Bridge and Tunnel Management<br>Approved: 09/23/24 | CRD applicable part | Delete | DOE O 472.2A CRD<br>Personnel Security<br>Approved: 06/10/22 | CRD applicable whole | Add | DOE O 472.2A Chg 1 (LtdChg)<br>CRD<br>Personnel Security<br>Approved: 06/10/22<br>Chg 1 (LtdChg): 10/28/24 | CRD applicable whole | Delete | DOE O 484.1 Chg 3 (LtdChg)<br>CRD<br>Reimbursable Work for the Department of Homeland Security<br>Approved: 08/17/06<br>Chg 3 (LtdChg): 03/21/23 | CRD applicable whole | Add | DOE O 484.1 Chg 4 (LtdChg)<br>CRD<br>Reimbursable Work for the Department of Homeland Security<br>Approved: 08/17/06<br>Chg 4 (LtdChg): 10/28/24 | CRD applicable whole | 04/10/25 |
| Delete | DOE O 437.1 CRD<br>Bridge and Tunnel Management<br>Approved: 12/11/20                                                                            | CRD applicable part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                                                                       |                     |     |                                                                        |                     |        |                                                              |                      |     |                                                                                                            |                      |        |                                                                                                                                                  |                      |     |                                                                                                                                                  |                      |          |
| Add    | DOE O 437.1A CRD<br>Bridge and Tunnel Management<br>Approved: 09/23/24                                                                           | CRD applicable part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                                                                       |                     |     |                                                                        |                     |        |                                                              |                      |     |                                                                                                            |                      |        |                                                                                                                                                  |                      |     |                                                                                                                                                  |                      |          |
| Delete | DOE O 472.2A CRD<br>Personnel Security<br>Approved: 06/10/22                                                                                     | CRD applicable whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                                       |                     |     |                                                                        |                     |        |                                                              |                      |     |                                                                                                            |                      |        |                                                                                                                                                  |                      |     |                                                                                                                                                  |                      |          |
| Add    | DOE O 472.2A Chg 1 (LtdChg)<br>CRD<br>Personnel Security<br>Approved: 06/10/22<br>Chg 1 (LtdChg): 10/28/24                                       | CRD applicable whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                                       |                     |     |                                                                        |                     |        |                                                              |                      |     |                                                                                                            |                      |        |                                                                                                                                                  |                      |     |                                                                                                                                                  |                      |          |
| Delete | DOE O 484.1 Chg 3 (LtdChg)<br>CRD<br>Reimbursable Work for the Department of Homeland Security<br>Approved: 08/17/06<br>Chg 3 (LtdChg): 03/21/23 | CRD applicable whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                                       |                     |     |                                                                        |                     |        |                                                              |                      |     |                                                                                                            |                      |        |                                                                                                                                                  |                      |     |                                                                                                                                                  |                      |          |
| Add    | DOE O 484.1 Chg 4 (LtdChg)<br>CRD<br>Reimbursable Work for the Department of Homeland Security<br>Approved: 08/17/06<br>Chg 4 (LtdChg): 10/28/24 | CRD applicable whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                                       |                     |     |                                                                        |                     |        |                                                              |                      |     |                                                                                                            |                      |        |                                                                                                                                                  |                      |     |                                                                                                                                                  |                      |          |
| 1469   | Funding                                                                                                                                          | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,476,486,539.28 obligated and includes letter dated 04/15/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 04/15/25 |                                                                       |                     |     |                                                                        |                     |        |                                                              |                      |     |                                                                                                            |                      |        |                                                                                                                                                  |                      |     |                                                                                                                                                  |                      |          |
| 1470   | Funding                                                                                                                                          | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,539,461,038.24 obligated and includes letter dated 04/22/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 04/22/25 |                                                                       |                     |     |                                                                        |                     |        |                                                              |                      |     |                                                                                                            |                      |        |                                                                                                                                                  |                      |     |                                                                                                                                                  |                      |          |

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| 1471   | Funding                                                                                                                                                                                                         | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,544,614,760.71 obligated and includes letter dated 04/28/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 04/28/25 |                                                                                                                                                              |                      |     |                                                                                                                                                                                                                 |                      |        |                                                                                                                                            |                      |     |                                                                                           |                      |          |
| 1472   | Funding                                                                                                                                                                                                         | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,543,639,873.67 obligated and includes letter dated 05/13/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 05/13/25 |                                                                                                                                                              |                      |     |                                                                                                                                                                                                                 |                      |        |                                                                                                                                            |                      |     |                                                                                           |                      |          |
| 1473   | Administrative                                                                                                                                                                                                  | <div><div><div><div>Deleted and Replaced:</div><div>• Section J – Attachment F – Operating and Administrative Requirements (List B) is deleted and replaced, updating the following CRDs:</div></div><table><tr><td>Delete</td><td>DOE O 144.1 Admin Chg 1 CRD<br/>Department of Energy American Indian Tribal Government Interactions and Policy<br/>Approved: 01/16/09<br/>Admin Chg 1: 11/06/09</td><td>CRD applicable whole</td></tr><tr><td>Add</td><td>DOE O 144.1A CRD<br/>DOE Requirements for Consultation and Engagement with Federally Recognized Indian Tribes and Alaska Native Claims Settlement Act Corporations Pursuant to DOE P 144.1<br/>Approved: 10/07/24</td><td>CRD applicable whole</td></tr><tr><td>Delete</td><td>DOE O 241.1B Chg 1 (Admin Chg) CRD<br/>Scientific and Technical Information Management<br/>Approved: 12/13/10<br/>Chg 1 (Admin Chg): 04/26/16</td><td>CRD applicable whole</td></tr><tr><td>Add</td><td>DOE O 241.1C CRD<br/>Scientific and Technical Information Management<br/>Approved: 10/28/24</td><td>CRD applicable whole</td></tr></table><div>Section J – Attachment J – Performance Evaluation and Measurement Plan is deleted and replaced with the FY 2025 2.0 Version of the PEMP dated March 31, 2025.</div></div></div> | Delete   | DOE O 144.1 Admin Chg 1 CRD<br>Department of Energy American Indian Tribal Government Interactions and Policy<br>Approved: 01/16/09<br>Admin Chg 1: 11/06/09 | CRD applicable whole | Add | DOE O 144.1A CRD<br>DOE Requirements for Consultation and Engagement with Federally Recognized Indian Tribes and Alaska Native Claims Settlement Act Corporations Pursuant to DOE P 144.1<br>Approved: 10/07/24 | CRD applicable whole | Delete | DOE O 241.1B Chg 1 (Admin Chg) CRD<br>Scientific and Technical Information Management<br>Approved: 12/13/10<br>Chg 1 (Admin Chg): 04/26/16 | CRD applicable whole | Add | DOE O 241.1C CRD<br>Scientific and Technical Information Management<br>Approved: 10/28/24 | CRD applicable whole | 05/16/25 |
| Delete | DOE O 144.1 Admin Chg 1 CRD<br>Department of Energy American Indian Tribal Government Interactions and Policy<br>Approved: 01/16/09<br>Admin Chg 1: 11/06/09                                                    | CRD applicable whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                                                                                                                                                              |                      |     |                                                                                                                                                                                                                 |                      |        |                                                                                                                                            |                      |     |                                                                                           |                      |          |
| Add    | DOE O 144.1A CRD<br>DOE Requirements for Consultation and Engagement with Federally Recognized Indian Tribes and Alaska Native Claims Settlement Act Corporations Pursuant to DOE P 144.1<br>Approved: 10/07/24 | CRD applicable whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                                                                                                                                                              |                      |     |                                                                                                                                                                                                                 |                      |        |                                                                                                                                            |                      |     |                                                                                           |                      |          |
| Delete | DOE O 241.1B Chg 1 (Admin Chg) CRD<br>Scientific and Technical Information Management<br>Approved: 12/13/10<br>Chg 1 (Admin Chg): 04/26/16                                                                      | CRD applicable whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                                                                                                                                                              |                      |     |                                                                                                                                                                                                                 |                      |        |                                                                                                                                            |                      |     |                                                                                           |                      |          |
| Add    | DOE O 241.1C CRD<br>Scientific and Technical Information Management<br>Approved: 10/28/24                                                                                                                       | CRD applicable whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |                                                                                                                                                              |                      |     |                                                                                                                                                                                                                 |                      |        |                                                                                                                                            |                      |     |                                                                                           |                      |          |
| 1474   | Funding                                                                                                                                                                                                         | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,601,219,491.49 obligated and includes letter dated 05/22/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 05/22/25 |                                                                                                                                                              |                      |     |                                                                                                                                                                                                                 |                      |        |                                                                                                                                            |                      |     |                                                                                           |                      |          |
| 1475   | Funding                                                                                                                                                                                                         | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,608,433,881.06 obligated and includes letter dated 05/28/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 05/28/25 |                                                                                                                                                              |                      |     |                                                                                                                                                                                                                 |                      |        |                                                                                                                                            |                      |     |                                                                                           |                      |          |
| 1476   | Funding                                                                                                                                                                                                         | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,611,749,713.06 obligated and includes letter dated 06/13/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 06/13/25 |                                                                                                                                                              |                      |     |                                                                                                                                                                                                                 |                      |        |                                                                                                                                            |                      |     |                                                                                           |                      |          |
| 1477   | Funding                                                                                                                                                                                                         | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,674,771,225.09 obligated and includes letter dated 06/24/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 06/24/25 |                                                                                                                                                              |                      |     |                                                                                                                                                                                                                 |                      |        |                                                                                                                                            |                      |     |                                                                                           |                      |          |

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| 1478   | Funding                                                                                                                                 | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,693,534,108.67 obligated and includes letter dated 06/25/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 06/25/25 |                                                                                                                                     |                      |     |                                                                                                                                     |                      |        |                                                                                                      |                        |     |                                                          |                        |        |                                                                                                                                         |                        |     |                                                                                                                                  |                        |          |
| 1479   | Administrative                                                                                                                          | <div><div><div>Deleted and Replaced:</div><div><div>• <b>Section H – Special Contract Requirements</b>, is deleted and replaced, updating H.3 – Employee Compensation: Pay and Benefits DOE-H-2001 (05/2025)</div><div>• <b>Section J – Attachment F – Operating and Administrative Requirements (List B)</b> is deleted and replaced, updating the following CRDs:</div></div></div><table><tr><td>Delete</td><td>DOE O 206.2 Chg 1 (LtdChg) CRD Identity, Credential, and Access Management (ICAM)<br/>Approved: 02/19/13<br/>Chg 1 (LtdChg): 09/02/22</td><td>CRD applicable whole</td></tr><tr><td>Add</td><td>DOE O 206.2 Chg 2 (LtdChg) CRD Identity, Credential, and Access Management (ICAM)<br/>Approved: 02/19/13<br/>Chg 2 (LtdChg): 10/28/24</td><td>CRD applicable whole</td></tr><tr><td>Delete</td><td>DOE O 414.1D Chg 2 (LtdChg) CRD Quality Assurance<br/>Approved: 04/25/11<br/>Chg 2 (LtdChg) : 09/15/20</td><td>CRD applicable in part</td></tr><tr><td>Add</td><td>DOE O 414.1E CRD Quality Assurance<br/>Approved: 12/18/24</td><td>CRD applicable in part</td></tr><tr><td>Delete</td><td>DOE O 458.1 Chg 4 (LtdChg) CRD Radiation Protection of the Public and the Environment<br/>Approved: 02/11/11<br/>Chg 4 (LtdChg): 09/15/20</td><td>CRD applicable in part</td></tr><tr><td>Add</td><td>DOE O 458.1 Chg 5 CRD Radiation Protection of the Public and the Environment<br/>Approved: 02/11/11<br/>Chg 5 (AdminChg): 01/30/25</td><td>CRD applicable in part</td></tr></table></div> | Delete   | DOE O 206.2 Chg 1 (LtdChg) CRD Identity, Credential, and Access Management (ICAM)<br>Approved: 02/19/13<br>Chg 1 (LtdChg): 09/02/22 | CRD applicable whole | Add | DOE O 206.2 Chg 2 (LtdChg) CRD Identity, Credential, and Access Management (ICAM)<br>Approved: 02/19/13<br>Chg 2 (LtdChg): 10/28/24 | CRD applicable whole | Delete | DOE O 414.1D Chg 2 (LtdChg) CRD Quality Assurance<br>Approved: 04/25/11<br>Chg 2 (LtdChg) : 09/15/20 | CRD applicable in part | Add | DOE O 414.1E CRD Quality Assurance<br>Approved: 12/18/24 | CRD applicable in part | Delete | DOE O 458.1 Chg 4 (LtdChg) CRD Radiation Protection of the Public and the Environment<br>Approved: 02/11/11<br>Chg 4 (LtdChg): 09/15/20 | CRD applicable in part | Add | DOE O 458.1 Chg 5 CRD Radiation Protection of the Public and the Environment<br>Approved: 02/11/11<br>Chg 5 (AdminChg): 01/30/25 | CRD applicable in part | 07/14/25 |
| Delete | DOE O 206.2 Chg 1 (LtdChg) CRD Identity, Credential, and Access Management (ICAM)<br>Approved: 02/19/13<br>Chg 1 (LtdChg): 09/02/22     | CRD applicable whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                                                                                                                                     |                      |     |                                                                                                                                     |                      |        |                                                                                                      |                        |     |                                                          |                        |        |                                                                                                                                         |                        |     |                                                                                                                                  |                        |          |
| Add    | DOE O 206.2 Chg 2 (LtdChg) CRD Identity, Credential, and Access Management (ICAM)<br>Approved: 02/19/13<br>Chg 2 (LtdChg): 10/28/24     | CRD applicable whole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                                                                                                                                     |                      |     |                                                                                                                                     |                      |        |                                                                                                      |                        |     |                                                          |                        |        |                                                                                                                                         |                        |     |                                                                                                                                  |                        |          |
| Delete | DOE O 414.1D Chg 2 (LtdChg) CRD Quality Assurance<br>Approved: 04/25/11<br>Chg 2 (LtdChg) : 09/15/20                                    | CRD applicable in part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                                                                                                     |                      |     |                                                                                                                                     |                      |        |                                                                                                      |                        |     |                                                          |                        |        |                                                                                                                                         |                        |     |                                                                                                                                  |                        |          |
| Add    | DOE O 414.1E CRD Quality Assurance<br>Approved: 12/18/24                                                                                | CRD applicable in part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                                                                                                     |                      |     |                                                                                                                                     |                      |        |                                                                                                      |                        |     |                                                          |                        |        |                                                                                                                                         |                        |     |                                                                                                                                  |                        |          |
| Delete | DOE O 458.1 Chg 4 (LtdChg) CRD Radiation Protection of the Public and the Environment<br>Approved: 02/11/11<br>Chg 4 (LtdChg): 09/15/20 | CRD applicable in part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                                                                                                     |                      |     |                                                                                                                                     |                      |        |                                                                                                      |                        |     |                                                          |                        |        |                                                                                                                                         |                        |     |                                                                                                                                  |                        |          |
| Add    | DOE O 458.1 Chg 5 CRD Radiation Protection of the Public and the Environment<br>Approved: 02/11/11<br>Chg 5 (AdminChg): 01/30/25        | CRD applicable in part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                                                                                                                     |                      |     |                                                                                                                                     |                      |        |                                                                                                      |                        |     |                                                          |                        |        |                                                                                                                                         |                        |     |                                                                                                                                  |                        |          |
| 1480   | Funding                                                                                                                                 | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,703,468,501.67 obligated and includes letter dated 07/16/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7/16/25  |                                                                                                                                     |                      |     |                                                                                                                                     |                      |        |                                                                                                      |                        |     |                                                          |                        |        |                                                                                                                                         |                        |     |                                                                                                                                  |                        |          |
| 1481   | Funding                                                                                                                                 | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,717,494,759.77 obligated and includes letter dated 07/21/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7/21/25  |                                                                                                                                     |                      |     |                                                                                                                                     |                      |        |                                                                                                      |                        |     |                                                          |                        |        |                                                                                                                                         |                        |     |                                                                                                                                  |                        |          |
| 1482   | Funding                                                                                                                                 | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,724,689,504.30 obligated and includes letter dated 07/25/25.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7/25/25  |                                                                                                                                     |                      |     |                                                                                                                                     |                      |        |                                                                                                      |                        |     |                                                          |                        |        |                                                                                                                                         |                        |     |                                                                                                                                  |                        |          |

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**Fiscal Year 2025**

**Modification 1449-1489**

|      |         |                                                                                                                                        |          |
|------|---------|----------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1483 | Funding | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,749,754,267.50 obligated and includes letter dated 08/25/25. | 08/25/25 |
| 1484 | Funding | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,752,890,085.31 obligated and includes letter dated 08/28/25. | 08/28/25 |

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|------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1485 | Administrative | <p><b>Deleted and Replaced:</b></p> <ul style="list-style-type: none"> <li>• <b>Section H – Special Contract Requirements</b>, is deleted and replaced to include the following changes: <ul style="list-style-type: none"> <li>◦ <b>Moved H.42</b> – Agreements for Commercializing Technology, to Section I becoming I.195 with the inclusion of DEAR 970.5217-2 Agreements for Commercializing Technology (Act)(Dec 2024)</li> <li>◦ <b>H.57</b> Key Personnel (DOE-H 2070, Oct 2014)- Alternate I (October 2014), deleted paragraphs (d)(1) and (d)(2).</li> </ul> </li> <li>• <b>Section I – Contract Clauses</b> is deleted and replaced to include the following changes: <p><b>Deleted and Replaced:</b></p> <ul style="list-style-type: none"> <li>◦ <b>I.17</b> 52.209-6 Protecting the Government’s Interest when Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (Nov 2021)</li> <li>◦ <b>I.27</b> 52.219-8 Utilization of Small Business Concerns (Oct 2022)</li> <li>◦ <b>I.28</b> 52.219-9 Small Business Subcontracting Plan (Oct 2022) Alternate II (Nov 2016)</li> <li>◦ <b>I.31</b> 52.219-28 Post-Award Small Business Program Rerepresentation (Oct 2022)</li> <li>◦ <b>I.46</b> 52.223-5 Pollution Prevention and Right-to-Know Information (May 2011) Alt I (May 2011)</li> <li>◦ <b>I.66A</b> 52.232-40 Providing Accelerated Payments to Small Business Subcontractors (Nov 2021)</li> <li>◦ <b>I.77</b> 52.244-5 Competition in Subcontracting (Dec 1996)</li> <li>◦ <b>I.78</b> 52.244-6 Subcontracts for Commercial Products and Commercial Services (Dec 2022)</li> <li>◦ <b>I.80</b> 52.247-63 Preference for U.S.-Flag Air Carriers (June 2003)</li> <li>◦ <b>I.90</b> 952.204-2 Security Requirements (Aug 2016)</li> <li>◦ <b>I.91</b> 952.204-70 Classification/Declassification (Sep 1997)</li> <li>◦ <b>I.97</b> 952.215-70 Key Personnel (Dec 2000)</li> <li>◦ <b>I.100</b> 952.226-74 Displaced Employee Hiring Preference (June 1997)</li> <li>◦ <b>I.114</b> 970.5215-1 Total Available Fee: Base Fee Amount and Performance Fee Amount (Dec 2000)</li> <li>◦ <b>I.115</b> 970.5215-3 Conditional Payment of Fee, Profit, And Other Incentives-Facility Management Contracts (Aug 2009) Alternate I (Aug 2009) Alternate II (Aug 2009)</li> </ul> </li> </ul> | 09/16/25 |
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|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |  | <ul style="list-style-type: none"> <li>○ <b>I.116</b> 970.5217-1 Strategic Partnership Projects Program (Apr 2015)</li> <li>○ <b>I.123</b> 970.5226-1 Diversity Plan (Dec 2000)</li> <li>○ <b>I.125</b> 970.5227-2 Rights in Data – Technology Transfer (Dec 2000) (Deviation)</li> <li>○ <b>I.126</b> 970.5227-3 Technology Transfer Mission (Aug 2019) Alternate I (Aug 2002)(Deviation)</li> <li>○ <b>I.127</b> 970.5227-4 Authorization And Consent (Aug 2002) (Deviation)</li> <li>○ <b>I.128</b> 970.5227-5 Notice and Assistance Regarding Patent and Copyright Infringement (Dec 2000)(Deviation)</li> <li>○ <b>I.132</b> 970..5227-10 Patent Rights – Management and Operating Contracts, Nonprofit Organization or Small Business Firm Contractor (Dec 2000)(Deviation)</li> <li>○ <b>I.137</b> 970.5232-1 Reduction or Suspension of Advance, Partial, or Progress Payments (Dec 2000)</li> <li>○ <b>I.138</b> 970.5232-2 Payments and Advances (Oct 2021) Alternate II (Oct 2021)</li> <li>○ <b>I.139</b> 970.5232-3 Accounts, Records, and Inspection (Oct 2021)</li> <li>○ <b>I.143</b> 970.5232-7 Financial Management System (Oct 2021)</li> <li>○ <b>I.145</b> 970.5235-1 Federally Funded Research and Development Center Sponsoring Agreement (Dec 2010)</li> <li>○ <b>I.150</b> 970.5244-1 Contractor Purchasing System (Oct 2021)</li> <li>○ <b>I.151</b> 970.5245-1 Property (Aug 2016) Alternate I (AUG 2016)</li> <li>○ <b>I.159</b> 52.222-54 Employment Eligibility Verification (May 2022)</li> <li>○ <b>I.161</b> 52.203-17 Contractor Employee Whistleblower Rights and Requirement To Inform Employees of Whistleblower Rights (Jun 2020)</li> <li>○ <b>I.177</b> 52.242-3 – Penalties for Unallowable Costs (Sep 2021)</li> <li>○ <b>I.182</b> 52.204-23 Prohibition on Contracting for Hardware, Software, and Services Developed or Provided by Kaspersky Lab and Other Covered Entities (Nov 2021)</li> </ul> <p><b><u>Deleted and Reserved:</u></b></p> <ul style="list-style-type: none"> <li>○ <b>I.12</b> 52.204-4 Printed or Copied Double-Sided on Postconsumer Fiber Content Paper (May 2011)</li> </ul> |  |
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|        | <ul style="list-style-type: none"><li>o <b>I.47</b> 52.223-6 Drug-Free Workplace (May 2001)</li><li>o <b>I.53</b> 52.223-15 Energy Efficiency in Energy-Consuming Products (May 2020)</li><li>o <b>I.101</b> 952.227-82 Rights To Proposal Data (Apr 1994)</li><li>o <b>I.109</b> 970.5204-1 Counterintelligence (Dec 2010)</li><li>o <b>I.120</b> 970.5223-6 Executive Order 13423, Strengthening Federal Environmental, Energy, and Transportation Management (Oct 2010)</li><li>o <b>I.121</b> 970.5223-7 Sustainable Acquisition Program (Oct 2010) Alt I (Oct 2010)</li><li>o <b>I.122</b> 970.5223-4 Workplace Substance Abuse Programs at DOE Sites (Dec 2010)</li><li>o <b>I.166</b> 52.223-13 Acquisition of EPEAT® - Registered Imaging Equipment (Jun 2014)</li><li>o <b>I.167</b> 52.223-14 -- Acquisition of EPEAT® - Registered Televisions (Jun 2014)</li><li>o <b>I.168</b> 52.223-16 -- Acquisition of EPEAT® - Registered Personal Computer Products (Oct 2015) Alternate I (Jun 2014)</li><li>o <b>I.169</b> 52.223-18 -- Encouraging Contractor Policies to Ban Text Messaging While Driving (Jun 2020)</li><li>o <b>I.179</b> 970.5216-7 Allowable Cost and Payment (Oct 2021)</li></ul> <p><b><u>Added Clauses:</u></b></p> <ul style="list-style-type: none"><li>o <b>I.195</b> 970.5217-2 Agreements for Commercializing Technology (ACT) (Dec 2024)</li></ul> <ul style="list-style-type: none"><li>• <b>Section J – Attachment A, Personnel (Appendix A)</b> is deleted and replaced.</li><li>• <b>Section J – Attachment D – Special Financial Institution Account Agreement for Use with the Payments Cleared Financing Agreement</b>, is hereby deleted and replaced with Modification 6.</li><li>• <b>Section J – Attachment F – Operating and Administrative Requirements (List B)</b> is deleted and replaced, to include two updated CRDs:</li></ul> <table><tr><td>Delete</td><td>DOE O 151.1D Chg 1 (MinChg) CRD Comprehensive Emergency Management System<br/>Approved: 08/11/16<br/>Chg 1 (MinChg): 10/04/19</td><td>CRD applicable whole</td></tr><tr><td>Add</td><td>DOE O 151.1E CRD Comprehensive Emergency Management System<br/>Approved: 10/28/24</td><td>CRD applicable whole</td></tr></table> | Delete               | DOE O 151.1D Chg 1 (MinChg) CRD Comprehensive Emergency Management System<br>Approved: 08/11/16<br>Chg 1 (MinChg): 10/04/19 | CRD applicable whole | Add | DOE O 151.1E CRD Comprehensive Emergency Management System<br>Approved: 10/28/24 | CRD applicable whole |  |
| Delete | DOE O 151.1D Chg 1 (MinChg) CRD Comprehensive Emergency Management System<br>Approved: 08/11/16<br>Chg 1 (MinChg): 10/04/19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CRD applicable whole |                                                                                                                             |                      |     |                                                                                  |                      |  |
| Add    | DOE O 151.1E CRD Comprehensive Emergency Management System<br>Approved: 10/28/24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CRD applicable whole |                                                                                                                             |                      |     |                                                                                  |                      |  |

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|------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|      |                | <div> <div>Delete</div> <div>DOE O 483.1B Chg 2 (LtdChg) CRD<br/>DOE Cooperative Research and Development Agreements<br/>Approved: 12/20/16<br/>Chg 1 (MinChg): 02/08/19<br/>Chg 2 (LtdChg): 12/13/19</div> <div>CRD applicable in whole</div> </div> <div> <div>Add</div> <div>DOE O 483.1B Chg 3 (MinChg) CRD<br/>DOE Cooperative Research and Development Agreements<br/>Approved: 12/20/16<br/>Chg 1 (MinChg): 02/08/19<br/>Chg 2 (LtdChg): 12/13/19<br/>Chg 3 (MinChg): 10/28/24</div> <div>CRD applicable in whole</div> </div> |          |
| 1486 | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,757,390,085.31 obligated and includes letter dated 09/17/25.                                                                                                                                                                                                                                                                                                                                                                                                | 09/18/25 |
| 1487 | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,844,621,196.53 obligated and includes letter dated 09/24/25.                                                                                                                                                                                                                                                                                                                                                                                                | 09/24/25 |
| 1488 | Funding        | Clause I.140 970.5232-4 Obligation of Funds reflects total amount of \$10,850,953,146.95 obligated and includes letter dated 09/25/25                                                                                                                                                                                                                                                                                                                                                                                                 | 09/25/25 |
| 1489 | Administrative | <b>Deleted and Replaced:</b> <ul style="list-style-type: none"> <li><b>Section J – List of Documents, Exhibits, and Other Attachments:</b></li> </ul> <b>Attachment J – FY 2025 Performance Evaluation and Measurement Plan</b> dated March 31, 2025, Version 2.0 is deleted and replaced with the <b>FY 2026 Performance Evaluation and Measurement Plan</b> dated August 26, 2025, Version 0.4 and is incorporated into this contract by reference.                                                                                 | 09/29/25 |