

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 OF 10
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2. AMENDMENT/MODIFICATION NO. 425	3. EFFECTIVE DATE (M/D/Y) See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY U.S. Department of Energy Office of River Protection P. O. Box 450, MS H6-60 Richland, WA 99352	7. ADMINISTERED BY (If other than Item 6)
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP code) Bechtel National, Inc. 2435 Stevens Center Place Richland, WA 99354	<input type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO.
	<input type="checkbox"/>	9B. DATED (SEE ITEM 11)
CODE 396A5 FACILITY CODE 153392068	<input checked="" type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ ORDER NO. DE-AC27-01RV14136
		10B. DATED (SEE ITEM 13) December 11, 2000

11. THIS ITEM APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE DATE AND HOUR SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and amendment and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS SET FORTH IN ITEM 14.

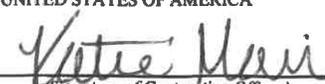
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO AUTHORITY OF FAR 43.103(b).
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO THE AUTHORITY OF: Clause I.82, FAR 52.243-2 Changes – Cost Reimbursement (AUG 1987) – Alternate III (APR 1984)
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return **1** copy to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

See following page(s)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Brian Reilly, Project Director	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Katie Mair Contracting Officer
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 25 JUN 2018
16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 6/25/18

Purpose of Modification:

The purpose of this modification is update Contract Section J, List of Attachments, as follows:

- Revise Attachment E, List of Applicable Directives, (b), to delete Contractor Requirements Document (CRD) O 206.2, “Identity, Credential, and Access Management” and incorporate CRD O 206.2, Supplemented Rev. 1, “Identity, Credential and Access Management.
- Revise Attachment F, Key Personnel, to replace the Manager of Environment, Safety & Health from Phillip Worley with Michael Zustra as the Manager of Safety & Health.

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Attachment E, List of Applicable Directives, (b) is revised as follows:

- (b) Additional Directives applicable to this Contract. The directive(s) or applicable section(s) of the directive(s) are applied as specified in other sections of this Contract.

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
96-AMD-050 (CCN 144548)		DELETED (310)	
		Deleted (376)	
DOE/EM-0093	12/96	Waste Acceptance Product Specifications for Vitrified High-Level Waste Forms (WAPS), Revision 2 (114)	Contract Clause C.8, Specification 1, 1.2.1.4 and 1.2.2.1.1(175)
DOE/RL-94-02, Rev 6 (336)	06/2014 (336)	Hanford Emergency Management Plan (197, 310) (Revision 6, June 2014) (336)	Contract Clause C.6, Standard 4(j) and Standard(e)(1) Table S7-1 (175, 197, 336)
DOE M 140.1-1B, CRD	03/30/01	Interface with Defense Nuclear Facilities Safety Board.	Contract Clause C.4 (d) (175)
DOE O 142.3A, CRD	10/14/10	Unclassified Foreign Visits and Assignments Program (047, 124, 204)	The order is effective regardless of comment above at (b) (175)
DOE O 205.1B, Change 1, CRD	12/07/12	Cyber Security Program (387)	Effective with Modification No. 384 and implemented in accordance with CCN: 266220 (14-WTP-0011), Attachment 1, “CRD 205.1B,

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
			Chg 2 (Supplemented Rev. 0)" and CCN: 267962 (14-WTP-0051). (387).
DOE M-205.1-2		DELETED (175)	
DOE M-205.1-5, CRD-		DELETED (194)	
DOE M-205.1-6, CRD		DELETED (194)	
DOE M-205.1-7, CRD		DELETED (194)	
DOE M-205.1-8, CRD		DELETED (194)	
DOE O 206.1, CRD	01/16/09	DOE Privacy Program (235)	The order is effective regardless of comment above at (b). Contractor shall implement in accordance with CCN: 231161(321)
DOE O 206.2, CRD, Supplemented Rev. 1 (425)	02/19/13 01/25/18	Identity, Credential, and Access Management (307)	The order is effective regardless of comment above at (b) (307) and implemented in accordance with CCN: 304003 (425)
DOE O 210.2A, CRD	04/8/11	DOE Corporate Operating Experience Program (077, 310)	Contract Clause H.49 (175) Refer to Note 10 (310)
DOE O 221.1A, CRD	04/19/08	Reporting Fraud, Waste, and Abuse to the Office of Inspector General (133)	Refer to Note 3 (175)
DOE O 221.2A, CRD	02/25/08	Cooperation with the Office of Inspector General (133)	Refer to Note 3 (175)
DOE O 226.1B, CRD	04/25/11	Implementation of Department of Energy Oversight Policy (069, 108, 310)	Contract Clause H.46 (175) Refer to Note 11 (310)
DOE O 231.1B, CRD (363)	6/27/2011	Environment, Safety, and Health Reporting (033, 310)	Contract Clause C.6, Standard 1(d)(6) (175, 310)
DOE M-231.1-1A, Change 2, CRD		DELETED (332)	
DOE M-231.1-2, CRD		DELETED (256)	
SCRD M-231.1-2		DELETED (256)	

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE Order 232.2A, CRD (406)	9/29/2017	Occurrence Reporting and Processing of Operations Information(406)	Contract Clause C.6, Standard 1(d)(5) and (6). (406)
CRD O 232.2A (Supplemented Rev.0)(406)	9/29/2017	Environmental Mangement Contractor Requirements Document (Supplemented DOE O 232.2A), Occurrence Reporting and Process of Operations Information (406)	Contract Clause C.6, Standard 1(d)(5) and (6).(406)
SCRD DOE Order 232.2A (406)	9/29/2017	ORP Supplemental Contractor Requirements Document (SCRD), for DOE Order 232.2A, Occurrence Reporting and Processing of Operations Information (406)	Contract Clause C.6, Standard 1(d)(5) and (6). (406)
HFID 232-1B		DELETED (256)	
DOE N 234.1, CRD		DELETED (310)	
DOE O 241.1, CRD		DELETED (310)	
DOE/RW-0333P	10/01/08	Quality Assurance Requirements and Description for the Civilian Radioactive Waste Management Program (QARD) – Revision 20 (099, 134)	Contract Clause C.6, Standard 2(a)(2)(v), Standard 5(d), and Standard 7(e)(3)(ii)(A) and Contract Clause C.8, Specification 1, 1.2.1.7, 1.2.2.1.1, and 1.3 (175)
DOE O 350.1, Chg 3, CRD	02/23/10	Contractor Human Resource Management Program (171, 175)	Contract Clause H.37 (175)
DOE/RW-0351	5/31/07	Waste Acceptance System Requirements Document– (WASRD) - Revision 5 (114)	Contract Clause C.6, Standard 2(a)(3)(vii)(E) and Standard 6(c)(2) and Contract Clause C.8, Specification 1, 1.2.1.3 and 1.2.2.1.1 (175)
DOE O 413.3A, CRD		DELETED (271)	
DOE M 413.3-1		DELETED (271)	
DOE O 413.3B, CRD	11/29/10	Program and Project Management for the Acquisition of Capital Assets. Refer to Note 7 for implementation (271)	Contract Clause C.3, paragraph (b), subparagraph (1), item (ix), C.6, Standard 1, opening paragraph, (a), (b)(3) and (c)(1) and Standard 5(a)(6) and (k)
DOE O 414.1C, CRD	06/17/05	Quality Assurance (066)	Contract Clause C.6, Standard 7(e)(3)(i) & (iv) (175)
DOE 414.1D, CRD, Chg 1	05/08/13	Quality Assurance (349)	The order is effective regardless of comment above at (b) and implemented in accordance with Note 14 (349)

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE O 420.1C, CRD, Chg 1, Chapter V	02/27/15	Facility Safety (Partial Implementation Only Chapter V. Cognizant System Engineer Program) (369)	The order is effective regardless of comment above at (b) Implemented for LBL commissioning only in accordance with CCN: 276975
DOE O 422.1, Change 1, CRD	06/25/13	Conduct of Operations (207)(387)	Effective with Modification No. 384 and implemented in accordance with CCN: 276479. (387)
DOE-0223	Effective the date of Modification No. 384	RL Emergency Plan Implementing Procedures (384)	Implemented in accordance with 16-CPM-0072
DOE-0336	9/15/2011	Hanford Site Lockout/Tag out (384)	Implemented in accordance with 16-CPM-0072
DOE-0343	3/26/2013	Hanford Site Wide Stop Work Order Procedure (384)	Implemented in accordance with 16-CPM-0072
DOE-0346		Hanford Site Fall Protection Program (HSFPP) (384)	Implemented in accordance with 16-CPM-0072
DOE-0352	11/14/2012	Hanford Site Respiratory Protection Program (HSRPP) (384)	Implemented in accordance with 16-CPM-0072
DOE-0355		Hanford Standardized HAZWOPER Training Program Description (384)	Implemented in accordance with 16-CPM-0072
DOE-0359	11/14/2012	Hanford Site Electrical Safety Program (384)	Implemented in accordance with 16-CPM-0072
DOE-0360		Hanford Site Confined Space Procedure (384)	Implemented in accordance with 16-CPM-0072
DOE O 425.1D, Chg 1, CRD	04/16/10	Verification of Readiness to Start Up or Restart Nuclear Facilities (033, 190, 310)	Contract Clause C.6, Standard 5(a)(5), (c)(6), (e)(2), (f)(ii), and (g) (175, 310) Contractor shall implement in accordance with CCN: 281821 (363)
DOE O 433.1B, CRD Admin Chg 1	04/21/10	Maintenance Management Program for DOE Nuclear Facilities (342)	This order is effective regardless of comment above at (b). (342, 387)
DOE O 435.1, Chg 1, CRD	08/28/01	Radioactive Waste Management	Implementation of this DOE CRD using the graded approach; approved by 05-WED-047; CCN: 136281 satisfies the comment above at (b) (130, 175, 278)
DOE M 435.1-1	07/09/99	Radioactive Waste Management Manual	Contract Clause C.8, Specification 2, 2.2.1.13, 2.2.2.23, & 2.4 (175)

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE M 441.1-1, CRD	03/07/08	Nuclear Material Packaging	The manual is effective regardless of comment above at (b) (130, 175)
DOE O 442.2, CRD	07/29/11	Differing Opinions for Technical Issues Involving Environment, Safety, and Health (271)	The order is effective regardless of comment above at (b) and implemented as described in CCN: 246747
DOE O 442.1A & Supplemented Rev. 3 CRD	06/06/01	Department of Energy Employee Concerns Program (029, 293)	The order is effective regardless of comment above at (b) (175) and implemented as described in CCN: 249676 (293) Contractor shall implement in accordance with CCN: 266683 (332)
DOE M 442.1-1 CRD		DELETED (271)	
DOE M 450.4-1, CRD		DELETED (310)	
DOE O 458.1, Chg. 2		Radiation Protection of the Public and the Environment (384)	Implemented in accordance with 16-CPM-0072
DOE M 470.4-1, CRD	08/26/05	Safeguards and Security Program Planning and Management (136, 171)	Refer to Note 1 (175)
DOE M 470.4-2A, CRD		DELETED (310)	
DOE M 470.4-4A	01/16/09	Information Security Manual (145)	Refer to Note 2 (175)
DOE O 471.3, CRD	4/9/03	Identifying and Protecting Official Use Only Information (087)	Contract Clause H.50 (175)
DOE M 471.3-1, Chg 1, CRD	4/9/03	Manual for Identifying and Protecting Official Use Only Information (087, 310)	Contract Clause H.50 (175) Refer to Note 12 (310)
DOE O 475.1, CRD	12/10/04	Counterintelligence Program (071)	Contract Clause C.6, Standard 8(c) (175)
DOE/RW-0511, Volume I, Rev. 4	03/07/08	Integrated Interface Control Document (ICD), High-Level Radioactive Waste and U.S. Department of Energy and Naval Spent Nuclear Fuel to the Civilian Radioactive Waste Management System (114)	Contract Clause C.8, Specification 1.1.2.1.5 and 1.2.2.1.1 (321)

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE O 551.1D, CRD	04/02/12	Official Foreign Travel. Refer to Note 4 (141, 175, 283)	Contract Clause I.109 (175). Implemented in accordance with CCN: 243970, and 12-WTP-0272 (CCN: 251792) and Note 4 (283, 363)
DOE-HDBK-1092-2004, Appendix A	12/2004	DOE Electrical Safety Handbook. Refer to Note 6 (209)	The order is effective regardless of comment above at (b)
RL/REG-2000-04		DELETED (215)	
DOE/ORP-2000-06		Deleted through Contract Modification No. M082 (175)	
DOE STD 3000		DELETED (310)	
DOE O 5480.20A, Change 1, CRD		DELETED (310)	
SCSP	05/9/06	Richland Regional Office Site Counterintelligence Support Plan Hanford Site - Bechtel National, Inc. (BNI) (071)	Contract Clause C.6, Standard 8(c) (175)
DOE-0361		DELETED (366)	
HNF-EP-0063	02/01/11	Hanford Site Solid Waste Acceptance Criteria (310)	The order is effective regardless of comment above at (b)
DOE/RL-92-36	11/18/14	Hanford Site Hoisting and Rigging Manual (342)	The order is effective regardless of comment above at (b) and implemented in accordance with Note 13
DOE/RL-2001-36, Rev 1E, Appendix I.7	05/01/11	Immobilized low-activity waste (ILAW) Special Packaging Authorization of the Hanford Sitewide Transportation Safety Document (310)	Implemented per C.8, Specification 2, 2.2.1.21 and 2.2.2.10 (293)
DOE/RL-2002-12		Hanford Radiological Health and Safety Document (384)	Implemented in accordance with 16-CPM-0072
DOE O 151.1C, CRD	11/02/05	Comprehensive Emergency Management System (310)	Implemented in accordance with DOE/RL-94-02
DOE O 473.3, CRD	06/29/11	Protection Program Operations (310)	The order is effective regardless of comment above at (b)
DOE O 426.2, CRD	04/21/10	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities (310)	Contract Clause C.3(f)(6) (321) Refer to Note 8 (310)
DOE O 225.1B, CRD	03/04/11	Accident Investigations (310)	Refer to Note 9 (310)

DOCUMENT NUMBER	DATE	TITLE	CROSS REFERENCE
DOE-STD-3009	1994	Preparation Guide for DOE Nonreactor Nuclear Facility Safety Analysis Reports (Change Notice 3, March 2006) (029, 152, 321)	Contract Clause C.6, Standard 9, paragraph 2 (321)
DOE-HDBK-1092-2013, Appendix D	07/2013	DOE Electrical Safety Handbook. Refer to Note 15 (353)	The order is effective regardless of comment above at (b)
DOE-STD-1195	09/2016	Design of Safety Significant Safety Instrumented Systems Used at DOE Non-Reactor Nuclear Facilities (384)	Implement clause 11.4 (inclusive of subclauses 11.4.1 through 11.4.9) of International Electrotechnical Commission (IEC) standard 61511-1 (Edition 2.0) concurrent with DOE-STD-1195-2011 as a means of achieving Safety Integrity Level – 2 (SIL-2) for low demand simple Safety Instrumented Functions without requiring redundancy, particularly with respect to final control devices such as valves. (384)

Notes:

1. Implementation of DOE M 470.4-1, CRD includes the following sections:

- Section A, "Safeguards and Security Program Planning and Management"
- Section F, "Performance Assurance Program"
- Section G, "Survey, Review, and Self-Assessment Programs"
- Section I, "Facility Clearances and Registration of Safeguards and Security Activities"
- Section J, "Safeguards and Security Training Program"
- Section K, "Safeguards and Security Awareness Program"
- Section N, "Incidents of Security Concern."

Please refer to CCN: 182640 for detailed information on the implementation of each section.

2. Contractor scope of DOE M 470.4-4A is limited to the Operations Security (OPSEC) requirements listed in ORP letter 08-ESQ-318 (CCN: 192555), which states that the following actions are required:

- Appoint an OPSEC representative;
- Ensure the OPSEC representative attends Hanford OPSEC Working Group meetings on a quarterly basis;

- Obtain OPSEC/Security Awareness Posters from Project Hanford Management Contracts Safeguards and Security Awareness Manager and ensure they are posted in BNI working areas; and
 - Annually conduct three OPSEC reviews/assessments of BNI work areas.
3. The Contractor shall implement DOE O 221.1, CRD and DOE O 221.2, CRD into all new subcontract awards beginning January 1, 2003, except for those acquisitions for commercial items and for any new acquisition awards under \$100,000. DOE O 221.1A, DOE and DOE O 221.2A, CRD shall be implemented into all new subcontract awards beginning October 1, 2008, using the same criteria. Flow down of the requirements of these DOE order CRDs to subcontractors using these criteria meets the intent of ensuring compliance with the DOE order CRD requirements.
 4. This order deemed to be the "subsequent version of the order in effect at the time of award" per DEAR 952.247-70. Implementation shall include compliance with DOE Office of Environmental Management Standing Operating Policy Procedure 66, Official Foreign Travel, Revision 0, with the exception of Standing Operating Policy Procedure Sections 7.D and 9.B.5.
 5. DELETED (336)
 6. The Contractor shall implement DOE-HDBK-1092-2004, Appendix A, as described in 10-WTP-327 (CCN: 229364) and CCN: 229141.
 7. The Contractor shall implement DOE O 413.3B, as described in CCN: 242792 and 12-WTP-0159.
 8. The Contractor shall implement DOE O 426.2, CRD, as described in CCN: 249671.
 9. The Contractor shall implement DOE O 225.1B, CRD, as described in CCN: 249671 (363).
 10. The Contractor shall implement DOE O 210.2A, CRD, as described in CCN: 249671.
 11. The Contractor shall implement DOE O 226.1B, CRD, as described in CCN: 249671.
 12. The Contractor shall implement DOE M 471.3-1, Chg 1, CRD, as described in CCN: 249671.
 13. Deleted. (387)
 14. The Contractor shall implement DOE O 414.1D, CRD, Chg 1, as described in CCN: 222763, 15-QAD-0014 and 17-QAD-0063.
 15. The Contractor shall implement DOE-HDBK-1092-2013, Appendix D as described in 14-CPM-0231 (CCN: 274546) and CCN: 257008. Unlisted equipment that is "Low-Hazard," defined as "Class X.0 or X.1" in Appendix D of the DOE handbook for *Electrical Safety*, may be labeled or identified as such (e.g., "Unlisted Approval Not Required," "Low-Hazard," or "Class X.0, X.1") to indicate it is equipment that does not require field evaluation and approval. This exemption will only apply to Class X.0 and Class X.1 equipment that are connected to a power source of less than 50 volts and less than 1,000 volt-amps.

- Revise Attachment F, Key Personnel, to replace the Manager of Environment, Safety & Health from Phillip Worley to Michael Zustra as the Manager of Safety & Health.

The revised list of Key Personnel is as follows:

Key Position (M110) (M130) (M133) (M147) (M152) (M158) (A164) (M181) (206) (208) (242) (261) (276) (291) (303) (308) (332) (336) (353) (366) (369) (376)(387)(391)(419)(425)	Current Employee
Project Director	Brian Reilly
Deputy Project Director	Kimberly Irwin
Area Manager, Nuclear Safety	Alan Dobson
Manager of Environment Safety & Health	Phillip Worley Michael Zustra
Manager of Nuclear Safety Engineering	Robert (R.T.) Brock
Manager of Quality	James Tibble
Manager of Engineering and Design Authority	Ian Milgate
Business Services Manager	Chris Binns
Site Director	Rick Holmes

All other terms and conditions remain unchanged.

(End of Modification)