

## **PART III – LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS**

### **SECTION J, APPENDIX Q**

#### **UPF INTERFACE MANAGEMENT PLAN**

In addition to the Interface Management Plan (Appendix K), the Contractor shall be responsible for developing an executable UPF Interface Management Plan, required to support the completion of the Uranium Processing Facility (UPF) project. In order to avoid project impacts, the plan shall require the Contractor's full integration and cooperation with the UPF Contractor -- Consolidated Nuclear Security LLC (CNS), NNSA Defense Programs, the NNSA Production Office (NPO), and the UPF Project Office (UPO) responsible for UPF delivery. In the process of developing the Plan, the Contractor shall demonstrate the best value to the Government as the UPF Design Authority and supporting organization to CNS for the effective completion of UPF startup and turnover.

The Contractor will be responsible to:

- Support CNS as the Design Authority using approved UPF Code of Record.
- Develop a plan to “assign” UPF design authority, operational, safety, maintenance, and security personnel to CNS organization as required to support UPF cost/schedule baseline. The Plan shall specify whether UPF support personnel will remain as CNS employees until their UPF function is complete at which time they transfer to the Contractor under the contract, or, are provided to CNS via secondment, Inter-Entity Work Order, subcontract, or other arrangement.
- Execute defined Contractor schedule activities required to support UPF completion.
- Accept turnover of the completed UPF scope at Startup Authorization from NNSA.
- Establish a leadership and decision framework that will allow for timely resolution of issues between the Contractor and CNS on matters including, but not limited to Design Authority and operational readiness responsibilities.

*[Solicitation Note: The Contractor's approved UPF Interface Management Plan will be incorporated into the Contract post-award as this Appendix Q.]*

The UPF Contractor uses a set of Interface Control Documents (ICD) and Structure, System, and Component Interface Control Documents (SICD) to define the UPF roles and responsibilities between the CNS Design Authority (CNS contract CLIN 0001) and Design Agent (CNS contract CLIN 0002) under the current contract. A complete set of these ICDs/SICDs, including the staffing plan, and Memorandum of Agreements (MOAs) will be made available in a special reading room.

A subset of these major interfaces is provided below to assist the Contractor in developing the plan. This effort shall require the full cooperation and coordination with all parties to develop and

submit a comprehensive final plan for NNSA approval. NNSA reserves the right to make the final decision on all defined roles and responsibilities for all UPF scope, including, but not limited to:

Document #, Title	Work Scope to Support CNS
CNS Finance and Business Operations Organization, ICD-PM-801768-A011 Appendix A	<ul style="list-style-type: none"> <li>• Accounts Payable.</li> <li>• Reporting/Fiscal Controls.               <ul style="list-style-type: none"> <li>○ NNSA Funds Control.</li> <li>○ Provide actual costs and invoice CNS monthly for Contractor support to CNS.</li> </ul> </li> </ul> <p>Actions required:</p> <ul style="list-style-type: none"> <li>• Establish basis for new or validate appropriateness of existing Site Usage and Infrastructure Global overheads for CNS/UPF usage of M&amp;O Infrastructure.</li> <li>• Eliminate overheads applied to craft incentives.</li> <li>• Identify mechanism to transfer costs/invoicing between Contractor and CNS.</li> <li>• Identify any financial software and services that may need to be kept/maintained to support CNS.</li> </ul>
CNS Infrastructure and Projects Management (Construction), ICD-PM-801768-A011 Appendix B	N/A
CNS Infrastructure (Maintenance), ICD-PM-801768-A011 Appendix C	<p>Infrastructure/ Maintenance:</p> <ul style="list-style-type: none"> <li>• Hire and train (M&amp;O standards) new Maintenance Craft, per the UPF project staffing plan, and “assign” to CNS as required.</li> <li>• Perform maintenance on tied in Construction Support Building (CSB), Potable Water Yard MEB, and 13.8V utility systems per the existing MOAs.               <ul style="list-style-type: none"> <li>○ MOA-PM-912700-A001, MOA-PM-801738-A014, and MOA-PM-801738-A015.</li> </ul> </li> </ul> <p>Actions required:</p> <ul style="list-style-type: none"> <li>• Update existing MOAs to include Contractor.</li> <li>• Create new MOA for the utility boundaries and requirements for UPF Startup and Commissioning downstream of the M&amp;O Ownership boundary.</li> </ul> <p>Utilities:</p> <ul style="list-style-type: none"> <li>• Ownership of interfacing utility systems.</li> <li>• Process/approval for Tie-in to existing Y-12 Utility Systems.</li> <li>• Ownership and maintenance of the CSB Facility.</li> </ul> <p>Facilities &amp; Sustainability:</p> <ul style="list-style-type: none"> <li>• Annual Site-Wide Sustainability Reporting.</li> <li>• Destruction of paper in accordance with security requirements.</li> </ul> <p>ER&amp;M:</p> <ul style="list-style-type: none"> <li>• N/A</li> </ul>

Document #, Title	Work Scope to Support CNS
<p>CNS Information Solutions and Services, ICD-PM-801768-A011 Appendix D</p>	<p>Provide, support, and maintain IT related services:</p> <ul style="list-style-type: none"> <li>• CNS/UPF needs for IT network services to process sensitive government information (to include onsite and remote capabilities).</li> <li>• Maintain integration for DOE/NNSA network access.</li> <li>• Desktop images and standard software solutions coordinated with the designated UPF support team.</li> <li>• Helpline support for computing issues to include after-hours escalation of emergency work through a helpline.</li> </ul> <p>UPF project servers are in the M&amp;O data centers and are supported under full service for backup, operations support and server administration on a 24/7 basis with response expected during business within one hour of notification.</p> <p>For UPF engineered information systems requiring logical segmentation/separation, the Contractor will be responsible for, identification and procurement of technologies (to include both hardware and software) necessary to connect to existing site networks and maintain logical segmentation/separation of the UPF engineered systems, while facilitating necessary communications exchanges (such as the transfer of information from UPF shop floor controls systems to the larger network).</p> <p>Provide the necessary cybersecurity program support to ensure the UPF project is in compliance with applicable requirements. This is expected to include:</p> <ul style="list-style-type: none"> <li>• The resources necessary to gain cybersecurity formal authorization of the UPF engineered systems (to include: categorization, control selection, control implementation, control validation).</li> <li>• Development and maintenance of requisite cybersecurity formal authorization documentation (such as Information System Security Plans, risk assessments, component security baselines, etc.).</li> <li>• Execution of requisite cybersecurity operational monitoring and incident response activities.</li> <li>• Execution of architectural reviews</li> </ul> <p>Provide the necessary IT and cybersecurity resources required for UPF Software Quality Assurance activities, including but not limited to:</p> <ul style="list-style-type: none"> <li>• Ensure resources (such as an Information Systems Security Officer (ISSO) are provided as members of the Software Project Team (SPT).</li> <li>• Evaluation of software for use.</li> </ul>

Document #, Title	Work Scope to Support CNS
	<ul style="list-style-type: none"> <li>• Review and approval of Software Quality Assurance (SQA) plans.</li> </ul> <p>Perform certification of infrastructure to include:</p> <ul style="list-style-type: none"> <li>• Project IT systems, networks, and other IT equipment.</li> <li>• Security patches and updates to project software and application conducted in approved maintenance windows, coordinated with UPF and following approved change management processes.</li> <li>• Routine scanning of IT system and networks to ensure appropriate security configuration are in place and operating according to Y12/NNSA requirements.</li> <li>• Data Center operations and server administration, backups, and monitoring as required.</li> <li>• Providing and maintenance of User IDs for computer access and secure token access as required.</li> <li>• Provisioning of any site/plant software as needed.</li> <li>• Providing multi-function devices, as needed, including copy, print, and scanning capabilities. These devices are supported as required by a third-party company.</li> <li>• Maintain the approved Y12 plan software and SQA documentation.</li> </ul> <p>Actions Required</p> <ul style="list-style-type: none"> <li>• Determine path forward for shared software licenses and hardware used by CNS/UPF.</li> </ul>
CNS Human Resources, ICD-PM-801768-A011 Appendix E	<ul style="list-style-type: none"> <li>• Collects badging information of CNS/UPF personnel for processing by Personnel Security.</li> </ul>
CNS Communications and Public Affairs, ICD-PM-801768-A011 Appendix F	<p>Multimedia services, including photography, videography, and graphics:</p> <ul style="list-style-type: none"> <li>• Capture weekly progress photos for internal and external use.</li> <li>• Provide time-lapse videos of project progress.</li> <li>• Provide photography/videography for UPF ceremony, milestone, tour, or customer requests.</li> <li>• Provide photography support for personnel headshots as needed.</li> <li>• Archive photographs, videos, and graphics for retention and future recall.</li> <li>• Provide graphics support to create and edit UPF posters, fact sheets, placemats, recruitment advertisements, and other related requests.</li> </ul> <p>Web development for the external UPF/Y-12 site and for the UPF intranet:</p> <ul style="list-style-type: none"> <li>• Code, update, and monitor UPF external website that is housed on the M&amp;O website.</li> </ul>

Document #, Title	Work Scope to Support CNS
	Printing and duplicating services: <ul style="list-style-type: none"> <li>• Provide the equipment, materials, and support to print UPF posters, large renderings, photos, documents, drawings, and other items deemed necessary.</li> </ul> Protocol support: <ul style="list-style-type: none"> <li>• Tours, including site access, bus transportation as needed, and coordination of VIP visits that include Y-12 and UPF.</li> </ul>
CNS Contracts, ICD-PM-801768-A011 Appendix G	N/A
CNS Enterprise Planning and Controls (EVMS/Project Controls), ICD-PM-801768-A011 Appendix H	N/A
CNS Enterprise Planning and Controls (Records Management), ICD-PM-801768-A011 Appendix I	<ul style="list-style-type: none"> <li>• Accept UPF records, procedures, work instructions and forms at turnover of facility.</li> </ul>
CNS UPF Engineering Oversight and Authorization, ICD-PM-801768-A011 Appendix J	<ul style="list-style-type: none"> <li>• Maintain qualification and training program for design authority, safety basis, and cognizant system engineers.</li> <li>• Hire and train (M&amp;O standards) new Safety Basis, Systems Engineers, per the UPF project staffing plan, and “assign” to CNS as required.</li> <li>• Responsible for revision to the Highly Enriched Uranium Material Facility (HEUMF) Documented Safety Analysis (DSA) and Y-12 Safety Analysis Report (YSAR) revision to incorporate UPF into the site.</li> <li>• Provide off-project support from Mission Engineering as needed for planning and executing interfaces between UPF and Y-12 existing systems.</li> <li>• Design/Procure/Certify of Rackable Bucket Storage Box (RBSB) and buckets in accordance with M&amp;O design requirements.</li> <li>• Design/Procure/Certify Liquid Cart for transfer of liquid products between the Y-12 plant and UPF.</li> <li>• Implementation of DSA/Technical Safety Requirements (TSR) following approval of the documents via personnel to CNS.</li> <li>• Support to Full Scale Cold Operations, Implementation Validation Review (IVR) and Operational Readiness Reviews (ORRs).</li> </ul> Actions required: <ul style="list-style-type: none"> <li>• Adopt existing CNS programs and procedures that form the basis for UPF including Safety Basis, Nuclear Criticality.</li> <li>• Develop a Design Authority integration/arbitration process for the two M&amp;Os, to maintain alignment on requirements.</li> </ul>

Document #, Title	Work Scope to Support CNS
	<ul style="list-style-type: none"> <li>• Utilize CNS lower tier staff augmentation for qualified UPF Safety Basis and Engineering Oversight and Authorization (EO&amp;A).</li> </ul>
CNS UPF Production Support, ICD-PM-801768-A011 Appendix K	<ul style="list-style-type: none"> <li>• Participate on the UPF IPT as primary interface point with the Uranium Program and CNS.</li> <li>• Maintain the Chemical Operator training and qualification program used by UPF.</li> <li>• Hire, train and certify new Operations/Production Support Specialists, per the UPF project staffing plan, and “assign” to CNS as required.</li> <li>• Implement UPF DSA/TSR, Critical Safety Evaluations (CSEs), and Fire Hazard Analysis (FHA) controls and support of Implementation Validation Review (IVR) via personnel “assigned” to CNS.</li> <li>• Implementation of Safety Management Programs (e.g. Conduct of Operations, Fire Protection Program)</li> <li>• Provide support for ORRs.</li> <li>• Develop and maintain the non-project expense estimate and coordinate budget with NNSA Defense Programs to support completion of defined scope, and procure all required non-project expense material per plan.</li> <li>• Provide support for work in and to non-UPF facilities requiring physical and/or operational interface with the UPF Project (e.g. HEUMF) per the UPF master schedule and approved SICDs.</li> <li>• Provide support for microwave caster prototype risk reduction testing.</li> </ul> <p>Actions required:</p> <ul style="list-style-type: none"> <li>• Adopt existing CNS Conduct of Operations program and procedures for UPF.</li> </ul>
CNS UPF Operators' Representative, ICD-PM-801768-A011 Appendix L	<ul style="list-style-type: none"> <li>• Maintain the Chemical Operator training and qualification program for UPF</li> <li>• Hire, train and certify new Operators, per the UPF project staffing plan, and “assign” to CNS as required.</li> <li>• Participate on the Y-12/UPF Integrated Project Team (IPT) as primary interface point with the Uranium Program and CNS.</li> <li>• Facilitate/manage the EU Steering committee for the Y-12 Plant, including interaction with the UPF Project.</li> <li>• Develop and maintain the Transition to Operations plan.</li> </ul>
CNS Safeguards and Security and UPF Project, ICD-PM-801768-A011 Appendix M	<ul style="list-style-type: none"> <li>• Provide Security Personnel and “assign” to CNS as required to provide day to day coordination of the ongoing UPF efforts requiring security.</li> <li>• All Safeguards and Security (S&amp;S) groups will provide a Subject Matter Expert input into readiness affirmations</li> <li>• Support will be needed from the following S&amp;S Organizations:</li> </ul> <p>Physical Security:</p>

Document #, Title	Work Scope to Support CNS
	<ul style="list-style-type: none"> <li>• Provide certification/decertification of security areas for current project use as well as final design input.</li> <li>• Provide approval/authorization of compensatory measures for entry into security areas.</li> </ul> <p>Security Systems:</p> <ul style="list-style-type: none"> <li>• Perform programming of the UPF security systems (Argus).</li> </ul> <p>Information Security:</p> <ul style="list-style-type: none"> <li>• Provide subject matter expert guidance of Controlled Unclassified Information (CUI).</li> </ul> <p>NMC&amp;A:</p> <ul style="list-style-type: none"> <li>• Provide material control documentation and receive approval through NNSA Production Office (NPO).</li> </ul> <p>Protective Force:</p> <ul style="list-style-type: none"> <li>• Provide Protective Force for Portal 19 (staffing on day shifts during construction) for Bear Creek Road and Haul Road access points.</li> <li>• Provide Security Police Officers to conduct Validation Force on Force.</li> </ul> <p>Personnel Security:</p> <ul style="list-style-type: none"> <li>• Provide Clearance and Badging processing activities for all CNS/UPF personnel.</li> </ul> <p>Classification:</p> <ul style="list-style-type: none"> <li>• Provide training, certifications, and authorization of UPF Derivative Classifiers/Review Officials.</li> </ul> <p>Technical Security</p> <ul style="list-style-type: none"> <li>• Provide Technical Security services.</li> </ul> <p>Configuration and Compliance:</p> <ul style="list-style-type: none"> <li>• Complete updates to the Site Security Plan (SSP) as needed.</li> </ul> <p>Incidents of Security Concern (IOSC):</p> <ul style="list-style-type: none"> <li>• Using DOE Certified Inquiry Official, conduct IOSC investigations, apply IOSC level and report as appropriate.</li> </ul> <p>Performance Assurance:</p> <ul style="list-style-type: none"> <li>• Conduct performance testing of security sensors for Perimeter Intrusion Detection Assessment System (PIDAS) and Interior Detection Assessment System (IDAS).</li> <li>• Conduct performance testing of protective force to support Validation Force on Force.</li> </ul> <p>Vulnerability Assessment:</p> <ul style="list-style-type: none"> <li>• Perform the final Vulnerability Analysis and provide Vulnerability Assessment Report.</li> </ul>
Interface Control Document for CNS ES&H, ICD-PM-801768-A011 Appendix N	<p>ES&amp;H:</p> <ul style="list-style-type: none"> <li>• Provide trained and certified ES&amp;H personnel, and “assign” to CNS to support the completion of UPF scope.</li> </ul> <p>Industrial Safety and Hygiene Support:</p> <ul style="list-style-type: none"> <li>• Respirator Fit Testing.</li> </ul> <p>Radiological Control:</p> <ul style="list-style-type: none"> <li>• Dosimetry for construction personnel as necessary.</li> </ul>

Document #, Title	Work Scope to Support CNS
	Occupational Medicine <ul style="list-style-type: none"> <li>• Emergency Medical Treatment (Y-12 site).</li> <li>• Medical services for CNS “assigned” personnel.</li> </ul>
	Environmental Compliance (Waste): <ul style="list-style-type: none"> <li>• Request and incorporate data from CNS for any site-level waste reporting Resource Conservation and recovery Act (RCRA), Toxic Substances Control Act (TSCA), and emergency Planning and Community Right-to-Know Act (EPCRA).</li> </ul>
	Environmental Compliance (Potable Water) <ul style="list-style-type: none"> <li>• The Contractor shall inspect in-service backflow preventers annually. Contractor and the M&amp;O Cross Connection Control Coordinator shall approve all new backflow preventer installations.</li> </ul>
	Environmental Compliance (Water): <ul style="list-style-type: none"> <li>• Y-12 site National Pollutant Discharge Elimination System (NPDES) permit remains with the Contractor. Request and then incorporate data from CNS Org for any NPDES required reports or input to new/revised permit.</li> <li>• Support where needed, with Oak Ridge National Laboratory (ORNL), for experts in wetland management/mitigation and flora/fauna requirements.</li> <li>• Request and then incorporate data from CNS for input into the site Spill Prevention Control and Countermeasure (SPCC) Plan.</li> <li>• Review all correspondence to regulators regarding NPDES/Aquatic Resource Alteration Permit (ARAP)/Construction Storm Water.</li> <li>• Notify CNS/UPF of upcoming Consultant Engineering Inspections (CEI’s) and site level visits from regulators that would include the UPF site.</li> </ul>
	Environmental Compliance (Air): <ul style="list-style-type: none"> <li>• Request then incorporate data from CNS for any site-level waste reporting (Clean Air Act, Title V, etc.), National Emission Standards for Hazardous air Pollutants (NESHAPs, etc.)</li> </ul>
	Environmental Compliance (NEPA/NHPA): <ul style="list-style-type: none"> <li>• Process National Environmental Policy Act (NEPA)/Environmental Checklist and subsequent NEPA/Environmental Review.</li> <li>• Request then incorporate any changes required due to UPF modifications.</li> <li>• National Historic Preservation Act (NHPA) Coordinator will conduct a Section 106 review to determine possible impacts to historic properties.</li> </ul>
	Environmental Compliance (Sampling): <ul style="list-style-type: none"> <li>• NA</li> </ul>



Document #, Title	Work Scope to Support CNS
	<p>Environmental Compliance (Waste Certification):</p> <ul style="list-style-type: none"> <li>• Soil to be disposed at the Environmental Management Waste Management Facility (EMWMF) will utilize the M&amp;O profiles.</li> <li>• Help coordinate soil shipments as needed.</li> </ul> <p>Environmental Compliance, Environmental Management System (EMS):</p> <ul style="list-style-type: none"> <li>• Lead the Environmental Management System scope.</li> <li>• Request then incorporate data from CNS for all EMS required reports.</li> </ul> <p>Environmental Compliance (Hazardous/Toxic Chemical Reporting):</p> <ul style="list-style-type: none"> <li>• Request and incorporate data from CNS for any site-level hazardous / toxic chemical reporting (EPCRA)</li> </ul> <p>Environmental Compliance (Hazardous Substance Release Reporting):</p> <ul style="list-style-type: none"> <li>• Provides notifications to regulatory agencies.</li> </ul> <p>Environmental Compliance (CERCLA Coordination):</p> <ul style="list-style-type: none"> <li>• Coordinate with Oak Ridge Office of Environmental Management (OREM) and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) regulators and assist with management/disposition options, as necessary.</li> </ul>
CNS Quality, ICD-PM-801768-A011 Appendix O	<p>Metrology:</p> <ul style="list-style-type: none"> <li>• Responsible for calibration of permanently installed Measurement and Test Equipment (M&amp;TE) after the M&amp;TE is transitioned to the Contractor.</li> <li>• Responsible for inputting the M&amp;TE information into the Y-12 database.</li> </ul> <p>Nuclear Enterprise Assurance:</p> <ul style="list-style-type: none"> <li>• Implementation of the Nuclear Enterprise Assurance (NEA) program required by NAP 401.1, Weapons Quality Policy.</li> </ul> <p>Analytical Chemistry Organization:</p> <ul style="list-style-type: none"> <li>• Provide staff to develop procedures for the NDA equipment.</li> <li>• Will operate the Non-Destructive Analysis (NDA) equipment during checkout and readiness.</li> </ul> <p>Software Quality Assurance:</p> <ul style="list-style-type: none"> <li>• Contractor and CNS will have one program and process (including training) using the M&amp;O software management system as the database.</li> </ul> <p>Weapons Quality assurance:</p> <ul style="list-style-type: none"> <li>• NA</li> </ul> <p>Suspect/Counterfeit Items:</p> <ul style="list-style-type: none"> <li>• NA</li> </ul> <p>Quality Program:</p> <ul style="list-style-type: none"> <li>• NA</li> </ul> <p>Supplier Quality:</p> <ul style="list-style-type: none"> <li>• NA</li> </ul>

Document #, Title	Work Scope to Support CNS
CNS Operations Assurance, ICD-PM-801768-A011 Appendix P	<ul style="list-style-type: none"> <li>• Co-Chair the Readiness Certification Assurance Process Tracking System (RCAPTs) Board.</li> <li>• Provide trained Readiness Affirmation Specialists and “assign” to CNS to complete readiness affirmations.</li> <li>• Accept the UPF facilities upon authorization to startup from NNSA.</li> <li>• Maintain the M&amp;O Startup Notification Report (SNR) current with UPF schedule.</li> <li>• Provide CNS with their own RCAPTS Software or access to M&amp;O RCAPTS projects for UPF.</li> <li>• Oversee the CNS UPF Readiness Certification Process and complete affirmations that are the responsibility of the Contractor.</li> <li>• Provide Maintenance to RCAPTS.</li> <li>• Develop UPF Plan of Action and Startup Plan (Operational Release).</li> <li>• Select the Contractor ORR Team Leader and conduct the Contractor ORR.</li> <li>• Support the DOE UPF ORR Team.</li> <li>• Complete the implementation Verification Review (IVR) Process to verify that safety basis documentation and control implementation meet requirements via the Pre-submittal IVR and the Implementation IVR prior to SB effectiveness.</li> <li>• Provide Office Space and computer support and a Technical Editor for Contractor ORR and federal ORR</li> <li>• Comply with the current UPF documentation turnover plan.</li> </ul> <p>Actions required:</p> <ul style="list-style-type: none"> <li>• Adopt the existing CNS Procedures required for meeting Performance Criteria as established in the current Readiness program.</li> </ul>
CNS Operations Assurance/Enforcement, ICD-PM-801768-A011 Appendix Q	<ul style="list-style-type: none"> <li>• Implementation and oversight for Enforcement Coordination activities, maintain procedures and reports for Noncompliance Tracking System (NTS), confirm effectiveness of NTS corrective action plans, assist in data calls and site visits from Office of Enforcement.</li> <li>• Issues enforcement coordination policies.</li> </ul> <p>Actions required:</p> <ul style="list-style-type: none"> <li>• Identify any multi-party responsibilities via a MOA.</li> </ul>
CNS Program Integration, ICD-PM-801768-A011 Appendix R	<ul style="list-style-type: none"> <li>• Interfaces and information exchange relating to UPF program requirements, weapons stockpile scenarios, stockpile program schedules, Naval Reactors, and Life Extension Program drivers affecting UPF.</li> <li>• Execute interfaces and information exchange relating to requirements and plans associated with nuclear nonproliferation, naval reactors, research reactors, and Plant</li> </ul>

Document #, Title	Work Scope to Support CNS
	<p>Directed Research, Development, and Demonstration prioritization and planning.</p> <ul style="list-style-type: none"> <li>• Identify, plan, and execute Non-Project Expense work in support of the UPF Project schedule and efficient operations after UPF is operational.</li> <li>• Execute interfaces and information exchange relating to physical site interfaces, long range master planning, related infrastructure needs/requirements, and integrated plans affecting CNS functions.</li> </ul>
CNS Training, ICD-PM-801768-A011 Appendix S	<ul style="list-style-type: none"> <li>• Maintain qualification and training program for design authority, safety basis, and cognizant system engineers, RADCON, Maintenance, M&amp;TE, Chemical Operators, and maintenance craft.</li> <li>• Provide support for any training courses or materials offered by the M&amp;O that are requested/attended by CNS/UPF personnel.</li> </ul>
CNS Performance Excellence (Note: CNS Organization name has changed to Performance and Risk Management), ICD-PM-801768-A011 Appendix T	<ul style="list-style-type: none"> <li>• Receive UPF lessons learned and provide UPF notification of relevant Y-12 lessons learned.</li> </ul>
CNS Emergency Management Interface, ICD-PM-801768-A011 Appendix U	<p>Support will be needed from the following Emergency Services Organizations:</p> <p>Emergency Management:</p> <ul style="list-style-type: none"> <li>• Complete development of technical planning basis documents.</li> <li>• Complete Building/Facility emergency Plans (B/FEPs) for UPF buildings.</li> <li>• Provide Assembly Station Director and Accountability Coordinator training.</li> <li>• Stock and test Assembly Stations in the UPF area.</li> <li>• Plan and conduct evacuation and accountability drills for UPF facilities.</li> <li>• Plan and conduct emergency management exercises for UPF facilities.</li> </ul> <p>Fire Department:</p> <ul style="list-style-type: none"> <li>• Provide emergency response during construction activities.</li> </ul> <p>Miscellaneous:</p> <ul style="list-style-type: none"> <li>• Conduct testing/surveillance procedure walk downs and validations.</li> </ul>
Other	<ul style="list-style-type: none"> <li>• Information Review Office review and approval for public release of information.</li> <li>• Export Control information review and approval.</li> <li>• Privacy Act/Freedom of Information act (FOIA) reviews/responses.</li> </ul>

Document #, Title	Work Scope to Support CNS
	Actions Required: <ul style="list-style-type: none"> <li>• Clear delineation of responsibility for active legal actions and workers compensation cases.</li> </ul>
Supply Chain	<ul style="list-style-type: none"> <li>• Maintain critical spares inventory management process.</li> <li>• Maintain procedures, reporting and shipping/transportation permits.</li> <li>• Provide waste characterization, established shipping profiles and certification.</li> <li>• Provide transportation and logistics support.</li> </ul>
Internal Audit, Ethics and Employee Concerns	<ul style="list-style-type: none"> <li>• N/A</li> </ul>

The following Structure, System and Component Interface control Documents (SICDs) describe the requirements and interfaces for UPF systems to be tied into Contractor controlled Y-12 National Security Complex systems. The following scope is included in the UPF baseline, and shall be performed by CNS to the maximum extent possible. Thus, the Contractor will be responsible for developing and supporting the process for any special authorizations for CNS to perform this scope as required (without impediment to meet the cost/schedule baseline).

Doc #	Name	Description
SICD-Vari- Various	Cable Routing (UTN/CTN, ENS&CAAS, SECAS, YVIDU/C, UTR, FIR, )	<ul style="list-style-type: none"> <li>• Coordination with existing facilities for installation of the cable and raceways within the Y-12 site.               <ul style="list-style-type: none"> <li>○ Unclassified Telecommunications Network (UTN) and Classified Telecommunication Network (CTN) systems.</li> <li>○ Emergency Notification System (ENS) and Central Accident Alarm System (CAAS) systems.</li> <li>○ Security Alarm System (SECAS).</li> <li>○ Y-12 Unclassified Video (YVIDU) and Y-12 Classified Video (YVIDC) systems.</li> <li>○ Fire Alarm System (FIR).</li> </ul> </li> </ul>
SICD-EP-801768-A002	PSF Potable Water	<ul style="list-style-type: none"> <li>• Process Support Facility (PSF) change package for tie-in to active potable water system.</li> <li>• Actual tie-in work performed by M&amp;O, refer to ICD-PM-801768-A0011 Appendix C.</li> </ul>
SICD-EE-801768-A005	PSF MVP Perm Power	<ul style="list-style-type: none"> <li>• PSF change package for tie-in to active 13.8 kv Medium Voltage Power (MVP) system.</li> <li>• Actual tie-in work performed by M&amp;O, refer to ICD-PM-801768-A0011 Appendix C.</li> </ul>
SICD-EG-801768-	PIDAS Tie-In	<ul style="list-style-type: none"> <li>• Change package for tie-in to active PIDAS system.</li> <li>• Actual tie-in work performed by M&amp;O, refer to ICD-</li> </ul>

A001		PM-801768-A0011 Appendix C.
SICD-EG-801768-A002	HEUMF PIDAS Tie-in	<ul style="list-style-type: none"> <li>Change package for disconnect of active PIDAS zones 61/62.</li> <li>Actual disconnect work performed by M&amp;O, refer to ICD-PM-801768-A0011 Appendix C.</li> </ul>
SICD-EZ-801768-A001	HEUMF SS Fire Water Supply	<ul style="list-style-type: none"> <li>Change packages for tie-in to active fire water system and installation of new alarm panel inside HUEMF.</li> <li>Actual tie-in work performed by M&amp;O, refer to ICD-PM-801768-A0011 Appendix C.</li> </ul>
SICD-EE-801768-A004	ENS & CAAS Final Tie-in	<ul style="list-style-type: none"> <li>Change package for tie-in to active Emergency Notification System (ENS) and Central Accident Alarm System (CAAS) systems.</li> <li>Actual tie-in work performed by M&amp;O, refer to ICD-PM-801768-A0011 Appendix C.</li> </ul>
SICD-EE-801768-A006	FIR Final Tie-in	<ul style="list-style-type: none"> <li>Change package for tie-in to active FIR system.</li> <li>Actual tie-in work performed by M&amp;O, refer to ICD-PM-801768-A0011 Appendix C.</li> </ul>
SICD-EI-801768-A005	UTR Tie-in	<ul style="list-style-type: none"> <li>Change package for tie-in to active Wide Area Radio System (WARS) Radio system (2 redundant locations).</li> <li>Actual tie-in work performed by M&amp;O, refer to ICD-PM-801768-A0011 Appendix C.</li> </ul>
SICD-EC-801768-A001	Sanitary Sewer	<ul style="list-style-type: none"> <li>Change package for removal of blank from the tie-in to active sewer system.</li> <li>Actual tie-in work performed by M&amp;O, refer to ICD-PM-801768-A0011 Appendix C.</li> </ul>
SICD-EC-801768-A002	Storm Drain	<ul style="list-style-type: none"> <li>Change package for documenting final storm water connections.</li> </ul>
SICD-EE-801768-A012	UPF and Y-12 Grounding	<ul style="list-style-type: none"> <li>Change package for documenting final grounding configuration.</li> </ul>
SICD-EI-801768-A001	UTN/CTN Final Tie-in	<ul style="list-style-type: none"> <li>Change package for tie-in to active Unclassified Telecommunications Network (UTN) and Classified Telecommunication Network (CTN) systems.</li> <li>Actual tie-in work performed by M&amp;O, refer to ICD-PM-801768-A0011 Appendix C.</li> </ul>
	Taclane and GSA Safe Procurement/Install	<ul style="list-style-type: none"> <li>Procurement, configuration, and installation of encryption equipment e.g., Tactical Local Area Network Encryptor (TACLANE) and General Services administration (GSA) Safe by M&amp;O.</li> </ul>
SICD-EI-801768-A004	Security Alarm and Video	<ul style="list-style-type: none"> <li>Change package for tie-in to active security alarm and video systems.</li> <li>Actual tie-in work performed by M&amp;O, refer to ICD-PM-801768-A0011 Appendix C</li> </ul>
SICD-ES-801768-A001	HCON to HEUMF	<ul style="list-style-type: none"> <li>This SCID includes all work associated with cutting opening in HEUMF security wall. This work must be authorized by the M&amp;O HEUMF Operations Review</li> </ul>

		<p>Board that manages changes and configuration of the Operating Facility</p> <ul style="list-style-type: none"> <li>Performing any required utility reroute needed prior to HEUMF Connector (HCON) door installation, non-UPF program scope.</li> </ul>
	HEUMF Safety Basis	<ul style="list-style-type: none"> <li>HEUMF Safety Basis Addendums to accommodate UPF Construction and Operations remain in the M&amp;O scope.</li> <li>Actual work performed by M&amp;O Mission Engineering Organization, refer to ICD-PM-801768-A0011 Appendix J</li> </ul>
SICD-EH-801768-A001	HEUMF CVS	<ul style="list-style-type: none"> <li>Documents the requirements for interfacing with the HEUMF Confinement Ventilation System.</li> </ul>
SICD-EG-801768-A003	HCON Master SICD	<ul style="list-style-type: none"> <li>Summary of the UPF Interfaces with HEUMF.</li> </ul>
SICD-CM-801768-A001	UPF Construction Temporary Power	<ul style="list-style-type: none"> <li>Change package for removal from Y-12 13.8 kv Power single line.</li> <li>Actual disconnect work performed by M&amp;O , refer to ICD-PM-801768-A0011 Appendix C.</li> </ul>
	Calciner Testing	<ul style="list-style-type: none"> <li>Set up UPF test rig in development.</li> <li>Execution of Calciner Testing by M&amp;O.</li> <li>Issue test report.</li> <li>Dismantlement, decommissioning and disposal of the UPF test rig.</li> </ul>
	Prototype Microwave	Provide access to the Test Demonstration Facility to support the training of UPF operators.
	HCON Startup /Commissioning /Turnover	<ul style="list-style-type: none"> <li>Complete scope for HCON startup testing, Security vulnerability verification, and establishing the Material Access Area (MAA) Operational and complete HCON beneficial occupancy.</li> </ul>
	WEPAR Project Coordination	<ul style="list-style-type: none"> <li>M&amp;O managed West End Protected Areas Reduction (WEPAR) project team to ensure Construction, Startup, commissioning and turnover activities that share common access and footprint are coordinated.</li> </ul>