

## **SECTION J**

### **APPENDIX F**

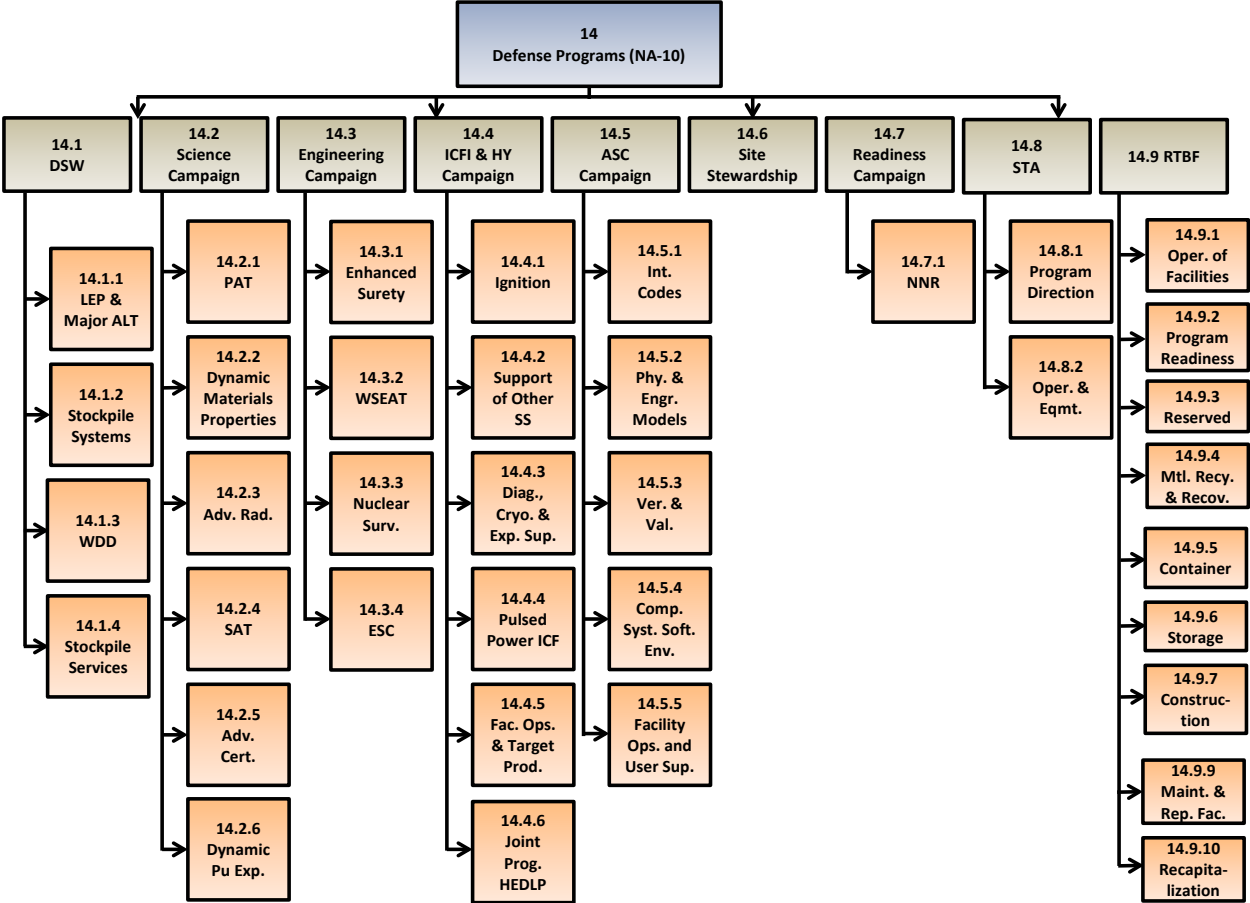
#### **NATIONAL WORK BREAKDOWN STRUCTURE**

The Department of Energy, National Nuclear Security Administration (DOE/NNSA), Office of Defense Programs, manages a large, complex, and diverse portfolio of weapons activities. To help facilitate and integrate the management of this portfolio, the Office of Defense Programs established a National Work Breakdown Structure (NWBS).

The NWBS provides a consistent framework for planning, programming, budgeting, and evaluation of work required to execute the Defense Programs mission. Over time, the NWBS is anticipated to be expanded to all NNSA and DOE program activities. The NWBS is contained in a relational database that serves as an easy-to-use tool for DOE/NNSA Federal Program Managers and Management and Operating (M&O) contractors to input, analyze, and report budget formulation data using the NWBS structure. The NWBS database provides linkages across programs, ties to products, requirement sources, and Integrated Priority Lists (IPLs).

Where it applies and consistent with instructions from the Contracting Officer where it does not, the Contractor shall be required to support preparation and maintenance of activity data sheets that form the foundation of the NWBS database. These activity data sheets capture information across the DOE/NNSA Defense Programs mission. Activity data sheets are populated at the lowest level of each NWBS element. In general, NWBS elements do not change from year-to-year, but an activity described in an activity data sheet may vary year-to-year. Each activity must identify one or more products and/or cross-cutting elements (i.e., capabilities) linked to the activity being performed. A product is a tangible output (e.g., system, component, material, etc.). A cross-cutting element or capability represents work that either supports development of a specific product or sustains a process that supports delivery of future products, therefore enabling Defense Programs to meet future mission needs. There are four general types of cross-cutting elements or capabilities: integrative (e.g., military liaison), analytical (e.g., systems analysis), process (e.g., test and evaluation), or project management.

The Defense Programs portfolio is structured into a variety of programs that work collectively to support the DOE/NNSA mission of stockpile stewardship. The programs include: a) Directed Stockpile Work (DSW); b) Campaigns: Engineering, Science, Inertial Confinement Fusion Ignition and High Yield (ICFI & HY), Advanced Simulation and Computing, and Readiness; c) Secure Transportation Asset (STA); and d) Readiness in Technical Base and Facilities (RTBF). A sample of the DOE/NNSA Defense Programs NWBS is shown below.



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