Chemical and Biological Defense Program (CBDP): Where Small Businesses Fit

The Chemical and Biological Defense Program (CBDP) is DoD's umbrella effort for Chemical, Biological, Radiological, and Nuclear Defense (CBRN) defense. One of its key acquisition arms is JPEO-CBRND, which leads the acquisition, fielding, and integration of CBRN capabilities, sensors, protective equipment, and medical countermeasures for all military branches.

What JPEO-CBRND is trying to deliver

JPEO-CBRND focuses on integrated, layered CBRN defense capabilities for the Joint Force. Their stated direction emphasizes moving faster and iterating improvements over time, including making capabilities lighter, more portable, and interoperable.

Where JPEO-CBRND sits inside CBDP

CBDP is structured across Joint Requirements, Joint S&T, JPEO-CBRND, and the CBRND Test and Evaluation Executive. JPEO-CBRND is the acquisition-focused component where transition pathways and fielding decisions often concentrate.

What they work on (high-level portfolios)

- Early warning + sensing: sensors plus robotics/autonomy, decision support, and AI/ML for situational awareness of CBRN threats.
- Special Operations (SOF): rapid acquisition and equipping for specialized forces, with tech that can transition to broader programs.
- Integration: enterprise IT for threat warning/reporting, hazard prediction, and decision support, integrating CBRN systems with traditional defense systems.
- Enabling biotechnologies: capabilities that speed medical solutions from development through manufacturing while reducing development risk and accelerating maturity.

Areas of Interest

All CBDP technology areas

JETT: The simplest way to get on their radar

JPEO-CBRND directs organizations to connect via the Joint Enterprise Technology Tool (JETT). JETT functions as an intake and routing path for industry engagement, especially useful if you're trying to reach the right government stakeholders without months of guesswork.

JETT Registration Page

What You Need for Your JETT Submission

Capability Submission Process

This process remains the same for each capability you submit. You can submit as many capabilities as you would like, but the submission process must be followed each time. Registering your capability will generate a unique link (found in your confirmation email) for you to submit your information and documentation.

1. Register your capability
2. Receive confirmation email
3. Complete questionnaire from email link
4. Upload requested documentation
5. Submit your application
6. Connect with a live person

Why this matters for SBIR/STTR firms

CBDP/JPEO-CBRND is built around capability sets, integration, and fielding pathways, not just standalone R&D. That's a strong fit for SBIR/STTR firms that can show operational relevance, integration readiness, and a plan to iterate quickly through testing and feedback.

How BBCetc helps

BBCetc supports small businesses with SBIR/STTR strategy and proposal execution. If you're targeting CBDP/JPEO-CBRND, we help you map your capability to the right portfolio, sharpen the capability-set story, and prepare engagement materials (including for JETT) grounded in how the program frames requirements, integration, and transition.

Complete our online assessment form to connect with a DoD consultant and learn more.