



U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND SOLDIER CENTER

**Joint Standardization Board – Expeditionary Shelters
and Basing Equipment (JSB-ESBE) Overview**

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JSB-ESBE MISSION

- Achieve common, mutually satisfactory solutions to shared requirements and problems
- Develop and improve joint processes and procedures to facilitate the design, development, and acquisition of expeditionary shelters, structures and basing equipment/systems that maximize interoperability to the greatest extent possible.
- Authorize, approve, and manage the development and maintenance of specifications/standards (IAW DODM 4120.24. Defense Standardization Program Procedures) that ensure adequate operational and environmental performance and compatibility with commercial and military transportation and material handling assets.
- Promote the use of standard parts/components to reduce cost, reduce inventories, shorten logistic chains and improve readiness. Establish an effective Department-wide forum for interoperability, coordination, planning, and decision-making.



Basic Expeditionary Airfield Resources (BEAR) Base
Holloman AFB, NM



JSB-ESBE MISSION

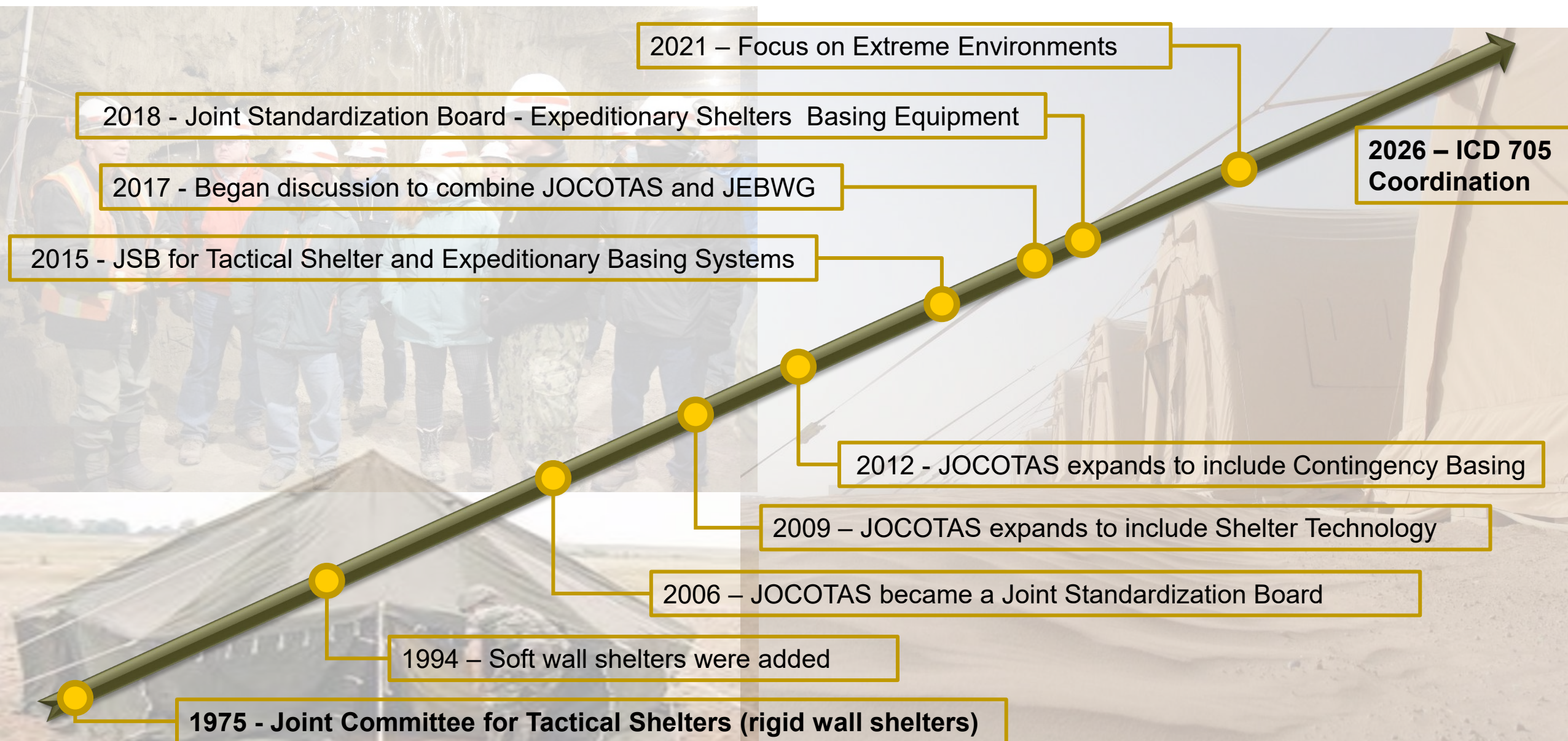
- **Mission**

- To bring together DoW organizations and experts involved in expeditionary shelters and basing equipment (ESBE).
 - Over 100 members from Joint Services & DoW
- Serve as an advisory body to the Service Headquarters, Joint Staff, and Office of Secretary of War for all matters relating to ESBE.

- **JSB-ESBE has two fundamental functions:**

- a) Minimize duplication of effort across the Services regarding ESBE development and acquisition;
- b) Advocate for the use of standard ESBE to promote interoperability, improve supportability, and reduce life cycle cost.

JSB-ESBE TIMELINE



JSB-ESBE STANDARD CATALOG EQUIPMENT

- **Rigid Wall Shelters: 18**
 - Army: 10
 - Air Force: 1
 - Navy: 7
- **Soft Wall Shelter: 19**
 - Army: 10
 - Air Force: 4
 - Marine Corps: 5
- **Shelter Camouflage: 2**
- **Shelter: Solar Systems: 2**
- **Environmental Control Units: 15**
 - Heaters Powered/Non-Powered
 - ECU / Air Conditioners
- **Basing Equipment**
 - Kitchens: 9
 - Laundries: 2
 - Showers: 1
 - Latrines: 1
 - Lights (AF)



RECENT MEETING HISTORY

- 2023 APR – Future Capability Integration Lab Fort Devens & DEVCOM Soldier Center Natick, MA
- 2023 NOV – Air Force Civil Engineering Center Tyndal AFB, FL
- 2024 APR – Marine Depot Maintenance Command, Albany, GA NAVAIR
- 2024 NOV – Stafford, VA
- 2025 OCT – Cancelled (gov't shutdown)
- 2026 APR – Natick, MA
- 2026 NOV – Hill AFB, UT



JSB-ESBE INTEGRATED PRODUCT TEAMS (IPT)



- MIL-PRF-44103 (1996) – Cloth, Fire, Water and Weather Resistant
 - Problem: Current spec MIL-PRF-44103 does fully address cold weather
 - Collaboration with DLA, PM-FSS, TSB, Soldier Center Fabric Testing Team, and industry partners.
 - **Phase I**
 - **Identify/replace outdated test methods**
 - **Update for cold weather application**
 - -25F to -40F/-60F
 - Gelbo flex test
 - Adhesion/strength
 - Add arctic colors



WHERE IS JSB-ESBE GOING

- 2026 & Beyond:
- Continue Bi-Annual Meetings
- Foster continued collaboration
- Expansion into other basing equipment such as water and fuel
- Promote:
 - Modernization of shelter materials, technology, and systems
 - Utilization of existing commercial technologies to reduce life cycle costs.
- Maintain relevance to the user community
- Update MIL-PRF-44103 and establish a Soft Wall Shelter Qualified Parts List (QPL)
- Provide expertise and guidance for Environmental Control Unit's Refrigerants



Extendable-Panelized and Collapsible Shelter (E-PACS)
18th MEDCOM, Philippines (Balikatan exercise)

THANK YOU.

