



APPENDIX B: PRIME BEEF/RED HORSE CAPABILITIES

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This appendix lists capabilities that [Prime BEEF](#) and [RED HORSE](#) teams are organized, trained, and equipped to provide in support of military operations. The capabilities are laid out in corresponding “tiered” levels with the [Joint Capabilities Areas \(JCAs\)](#), a standardized set of definitions that cover the full range of military operations.

It is important to differentiate between primary and secondary capabilities listed in the table below. A primary capability (P) is one in which the ability to perform the function is organic to the unit and is a specified task within the unit mission; the unit is also equipped and trained to accomplish the task. A secondary capability (S) is one in which the unit has limited ability (training, expertise, equipment) to accomplish the task.

LEGEND			
	JCA Tier 1	P-	Primary capability
	JCA Tier 2	S-	Secondary capability
	JCA Tier 3	1-	Prime BEEF Operations Teams
	JCA Tier 4	2-	RED HORSE
	AF Tasks	3-	Prime BEEF Explosive Ordnance Disposal (EOD)
		4-	Prime BEEF Fire Emergency Services (FES)
		5-	Prime BEEF Emergency Management (EM)
		6-	Prime BEEF Specialized Teams (see pages 17-18)

Task	Type
Force Support	
Force Management	
Global Force Management	
Readiness Reporting	
AEF UTC Reporting Tool (ART)	S ^{2,5}
Defense Readiness Reporting System (DRRS)	S ^{2,5}
Facility Priority Listing	P ¹
Status of Resources and Training System (SORTS)	S ^{2,5}
Force Preparation	
Training	
Contingency Skills Training (CST)	P ²

Field Training	P ²
Home Station Training (HST)	P ^{1,3,4,5,6}
Mission Essential Equipment Training (MEET)	P ¹
Silver Flag (SF) Exercise Training	P ^{1,3,4,5}
Special Capabilities Training	P ^{2,6}
Staff Augmentation Team (S-Team) Training	P ⁶
Vehicle/Equipment Training	P ^{1,2,3,4,5,6}
Weapons Training	P ^{1,2,3,4,5,6}
Exercising	
Contingency and Wartime Chemical, Biological, Radiological and Nuclear (CBRN) Attack Response	P ^{1,3,4,5}
Major Accident Response including Hazardous Material (HAZMAT)	P ^{1,3,4,5}
Natural Disaster Response	P ^{1,4,5}
Response to Terrorist Attack with CBRN Materials	P ^{1,3,4,5}
Battlespace Awareness	
Collection	
Measurements and Signatures Collection	
Chemical/Biological Materials and Nuclear Radiation (CBRN)	
Analysis	P ⁵
Modeling	P ⁵
Prediction	P ⁵
Logistics	
Logistics Services	
Water and Ice Service	
Bulk Water (non-potable and potable)	
Expeditionary Drinking Water Systems/Processes	P ^{1,2}
Expeditionary Ice-Making Capabilities	P ^{1,2}
Expeditionary Water Distribution & Storage Systems	P ^{1,2}
Expeditionary Water Treatment	P ^{1,2}
Local Municipality Tie-In	P ^{1,2}
Reverse Osmosis Water Purification Unit (ROWPU)	P ^{1,2}
Well-Drilling	P ²
Contingency Base Services	
Shelter	
Expeditionary Construction	P ^{1,2}
Initial Construction	P ^{1,2}
Permanent Construction	P ^{1,2}
Semi-Permanent Construction	P ^{1,2}
Temporary Construction	P ^{1,2}
Utility Operations	

Expeditionary Graywater Disposal	P ¹ , S ²
Expeditionary Heating, Ventilation, Air Conditioning, Refrigeration (HVAC/R) Systems and Controls	P ^{1,2}
Expeditionary Power Production and Distribution	P ^{1,2}
Expeditionary Solid Waste Disposal	P ¹ , S ²
Expeditionary Wastewater Disposal	P ¹ , S ²
Water Reuse	
Bare Base Planning	P ¹ , S ²
ROWPU Operations	P ¹ , S ²
Hygiene Services	
Personal Hygiene Services	
Expedient Field Facilities	P ¹ , S ²
Expedient Latrine Facilities	P ¹ , S ²
Engineering	
General Engineering	
Base Denial	P ^{1,2,3,4,5}
Batch Plant Operations	P ²
Contingency Contract Management	P ^{1,2}
Engineer Reconnaissance/Site Survey	P ^{1,2}
Explosive Demolition Operations	P ² , S ⁶
Provide Technical Engineer Advice	P ^{1,2,3,4,5,6}
Quarry Operations	P ²
Staff Augmentation (Echelon Above Wing)	P ^{1,4,5,6}
Targeting Assistance	P ^{1,6} , S ^{2,3,5}
Gap Crossing	
Construct and Maintain Combat Roads and Trails	P ^{1,2}
Unexploded Explosive Ordnance (UXO)/Explosive Ordnance (EO)/Improvised Explosive Device (IED) Clearance	P ³
Develop and Maintain Facilities	
Area Lighting	P ^{1,2}
Asphalt Paving Operations	P ^{1,2}
Asset Management	P ^{1,2,3,4,5,6}
Berm and Dike Construction	P ^{1,2}
Concrete Paving Operations	P ^{1,2}
Construct Temporary Facilities	P ^{1,2}
Construction Materials Testing	P ^{2,6} , S ¹
Construction Surveying	P ^{1,2}
Disease Vector Surveillance/Control	P ^{1,2}
Erect Expeditionary Facilities	P ^{1,2}
Expedient Locksmith	P ¹

Fire Protection Systems	P ¹ , S ⁴
Horizontal Construction	P ² , S ¹
HVAC/R Systems	P ¹
Lightning Arresting Protection	P ¹ , S ²
Master/Comprehensive Planning and Programming	P ^{1,6}
Passive Defense Measures	P ^{1,3,4,5} , S ²
Pest, Animal, and Vegetation Control	P ^{1,2}
Power Generation/Distribution Systems	P ^{1,2}
Project Management and Execution	P ^{1,2}
Project Planning and Programming	P ^{1,2}
Service Contract Management	P ^{1,2}
Vertical Construction	P ^{1,2}
Waste Collection/Disposal Systems	P ¹ , S ²
Waste Water Collection/Disposal Systems	P ^{1,2}
Water Production/Distribution Systems	P ^{1,2}
Well Drilling	P ²
Establish Lines of Communication (Airfield)	
Aircraft Arresting System	P ^{1,2,6}
Airfield Assessment/Repair, Initial (Air Insert)	P ²
Airfield Damage Assessment/Repair (ADR)	P ^{1,2,3,5}
Airfield Lighting and Marking	P ^{1,2}
Airfield Pavement Evaluation	P ^{1,6} , S ²
Asphalt/Concrete Milling Operations	P ²
Asphalt/Concrete Paving Operations	P ² , S ¹
Asset Management	P ¹ , S ²
CBRN Assessment/Support	P ⁵ , S ⁴
Firefighting/Emergency Medical Services (EMS)	P ⁴
Improve Airfields	P ^{1,2}
Revetments	P ^{1,2}
Snow/Ice Control	P ¹
UXO/EO/IED Clearance	P ³
Global Access Engineering	
ADR	P ^{1,2,3,5}
Force Protection (FP) Construction	P ^{1,2}
Open the Airbase	P ^{2,6} , S ¹
Structural Blast Analysis	P ^{1,2}
Vulnerability Assessments	P ^{1,2}
Repair and Restore Infrastructure	
ADR	P ^{1,2,3} , S ^{4,5,6}
Area Lighting	P ^{1,2}

Asset Management	P ^{1,2,3,4,5,6}
Facilities/Infrastructure Damage Assessment/Repair	P ^{1,2}
HVAC/R Systems	P ^{1,6}
Power Generation/Distribution Systems	P ^{1,2,6}
Waste Collection/Disposal Systems	P ¹ , S ²
Waste Water Collection/Disposal Systems	P ^{1,2}
Water Production/Distribution Systems	P ^{1,2}
Well Drilling	P ²
Harden Key Infrastructure and Facilities	
Collective Protection	P ^{1,5} , S ²
Develop FP Plans	P ^{1,2,3,4,5,6}
Provide Installation FP Measures	P ^{1,2,3,4,5,6}
Master Facility Design	
Asset Management	P ^{1,2,3,4,5,6}
Installation Master Planning	P ^{1,6} , S ²
Project Design	P ^{1,2,6}
Project Planning and Programming	P ^{1,2,6}
Combat Engineering	
Defeat Explosive Hazards	
Base Denial	P ³
Base Opening Procedures	S ³
Combat Support Missions	P ³
Explosive Ordnance Disposal (EOD)	P ³
Small Unit Tactics	P ³
Wartime Range Clearance	P ³
Geospatial Engineering	
Use Geospatial Data	
Geospatial Information Systems (GIS)	P ¹ , S ²
Base and Installations Support	
Real Property Life Cycle Management	
Asset Management	P ^{1,2,3,4,5,6}
Installation Master Planning	P ¹ , S ²
Provide Installation Assets	
Asset Management	P ^{1,2,3,4,5,6}
Identify Facility Requirements	P ^{1,2}
Facilities Support	
Asset Management	P ^{1,2,3,4,5,6}
Base Operating Support (BOS)	P ¹
Design Management	P ^{1,2}
Energy Security	P ¹
Installations and Facilities	P ^{1,2}

Operational Range Clearance (Testing/Training)	P ³
Real Property HVAC/R Systems	P ^{1,6}
Real Property Management	P ¹ , S ²
Real Property Power Generation/Distribution Systems	P ^{1,2,6}
Real Property Waste Collection/Disposal Systems	P ¹ , S ²
Real Property Waste Water Collection/Disposal Systems	P ^{1,2}
Real Property Water Production/Distribution Systems	P ^{1,2}
Sustainment of Installation Assets	
Asset Management	P ^{1,2,3,4,5,6}
Environmental Program Management and Compliance	P ¹
Preventive Maintenance and Inspection of Installation Facilities, Utilities, and Infrastructure	P ¹
Recapitalization of Installation Assets	
Installation Management	P ^{1,6}
Installation Master Planning	P ^{1,6} , S ²
Project Design	P ^{1,2,6}
Project Management and Execution	P ^{1,2,6}
Project Planning and Programming	P ^{1,2,6}
Remediation/Restoration of Environmental Sites	P ^{1,6}
Disposal of Installation Assets	
Asset Management	P ^{1,2,3,4,5,6}
Redeploy Air Force Expeditionary Facilities, Utilities, Infrastructure and Vehicles/Equipment	P ¹
Installations Services	
Emergency Services	
Aerospace Vehicle Mishap Response/Recovery	P ^{1,3,4,5}
Aircraft Rescue and Firefighting	P ⁴
Air Force Emergency Management (EM) Program	P ⁵
Air Force Incident Management System (AFIMS)	P ^{1,3,4,5}
All Hazards Response	P ^{3,4} , S ^{1,5}
Antiterrorism (AT)	P ^{3,4,5}
Detect/Sample/Identify CBRN/TIM Hazards	P ⁵
Emergency Operations Center (EOC) Operations	P ⁵ , S ^{1,3,4}
EMS/Emergency Medical Responder (EMR)	P ⁴ , S ²
EOD Initial Threat Assessment, Confirmation, Risk Mitigation, Site Stabilization	P ³
Federal Agency and Civil Authority Support	P ^{1,2,3,4,5,6}
Fire Prevention	P ⁴
Hazardous Material Incident Response	P ⁴ , S ^{1,2}
Incident Command	P ⁴
Integrated Incident Management	P ^{1,4,5}

Mortuary Services - Explosive Hazard Analysis/Removal	P ³
Nuclear Weapons/Weapons of Mass Destruction (WMD)/CBRN Accident/Incident Response	P ^{3,4,5} , S ^{1,2}
Operational Range Clearance	P ³
Structural Firefighting	P ⁴
Urban Search and Rescue	S ⁴
UXO Recovery Operations	P ³
Weapons Technical Intelligence	P ³
Housing Services	
Furnishings Management	P ¹
Government Owned/Leased Family Housing	P ¹
Housing Referrals and Relocations (HRR)	P ¹
Privatized Housing (PH)	P ¹
Range Management	
Range Clearance	P ³
Command and Control	
Organize	
Establish and Maintain Unity of Effort with Mission Partners, and Foster Organizational Collaboration	
Cultivate Relations with Mission Partners and Partner Organizations	
Air Advisor Building Partnership (BP) Engagements	S ^{1,2,3,4,5,6}
CST	P ^{1,2,3,4,5,6}
Contingency Construction Training	P ¹
Defensive Operations Training	P ^{1,2,3,4,5,6}
Field Sanitation and Health Training	P ^{1,2,3,4,5,6}
Force Beddown Training	P ^{1,2,3,4,5,6}
Realistic Military Training (RMT) Off Federal Property	S ^{1,2,3,4,5,6}
Silver Flag Exercises	P ^{1,3,4,5}
S-Team Training	P ⁶
Structure Organization to Mission	
ART	P ^{1,2,3,4,5,6}
CBRN Control Center	P ⁵
Commander's Expectations for AF CE	P ^{1,2,3,4,5,6}
Crisis Action Team (CAT), EOC, Unit Control Center (UCC)	P ^{1,3,4,5,6}
DRRS	P ^{1,2,3,4,5,6}
EOC	P ^{1,2,3,4,5,6}
Engineer Operations Management	P ^{1,2}
Hub and Spoke Concept	P ^{1,2}
Review Unit Manning Documents (UDMs) and Mission Capability Statements (MISCAPs)	P ^{1,2,3,4,5,6}

SORTS	P ^{1,2,3,4,5,6}
Tailor AF CE UTCs	P ^{1,2}
Work Control	P ^{1,2,6}
Establish Collaboration Policies and Procedures	
Checklists	P ^{1,2,3,4,5,6}
Common Operating Procedure (COP)	P ^{1,2,3,4,5,6}
Defense Support of Civil Authorities (DSCA)/Mutual Aid Agreements	P ^{1,2,3,4,5,6}
Host Nation Support (HNS) Agreements	S ^{1,2,6}
Host-Tenant Support Agreements (HTSA)	P ^{1,2,4,5}
Informal Agreements	P ^{1,2,6}
Inter-Service (Intra-Agency) Support	P ^{1,2,6}
Intra-Service Support	P ^{1,2,6}
Joint Support Plans (JSPs)	P ^{1,2,6}
Understand and Plan	
After Action Reports (AAR)	P ^{1,2,3,4,5,6}
Base Comprehensive Plans	P ^{1,2,6}
Concepts of Operation (CONOPS)	P ^{1,2,3,4,5,6}
GIS	P ^{1,2,6}
Information Gathering from Off-Base Agencies	P ^{1,2,3,4,5,6}
Information Gathering from On-Base Agencies	P ^{1,2,3,4,5,6}
Installation Development Plan (IDP)	P ^{1,2,6}
Lessons Learned (L2)	P ^{1,2,3,4,5,6}
MAJCOM Instructions and Planning Guidance	P ^{1,2,6}
See AFI 10-211, <i>CE Contingency Response Planning</i>	P ^{1,2,3,4,5,6}
See AFI 10-2501, <i>EM Program Planning & Operations</i>	P ^{1,2,5}
See AFI 10-2603, <i>Emergency Health Powers</i>	P ^{3,4,5}
See AFI 10-2607, <i>AF CBRN Survivability</i>	P ⁵
See AFI 32-1001, <i>Operations Management</i>	P ^{1,2}
See AFI 32-1021, <i>Plan & Program MILCON Projects</i>	P ^{1,2}
See AFI 32-1022, <i>Plan & Program NAF Construction</i>	P ^{1,2}
See AFI 32-1032, <i>Plan & Program APF M/R/C Projects</i>	P ^{1,2}
See AFI 32-6002, <i>Family Housing</i>	P ^{1,2}
See AFI 32-7062, <i>Comprehensive Planning</i>	P ^{1,2,3,4,5,6}
See AFPAM 10-219-Series for Contingency Engineering Planning Guidance	P ^{1,2,3,4,5,6}
USAF War & Mobilization (WMP) Volume 1, <i>CE Supplement</i>	P ^{1,2,3,4,5,6}
Decide, Direct, and Monitor	
CBRN Control Center	P ⁵
Emergency Responders	P ^{3,4,5}
EOC	P ^{1,2}

Facilities Board (FB)	P ^{1,2}
First Responders	P ^{3,4,5}
Protection	
Mitigate	
Mitigate Lethal and Non-Lethal Effects	
Chemical, Biological, Radiological, and/or Nuclear (CBRN)	
Contamination Control Area (CCA) Processing	P ^{1,5} , S ²
Mass Casualty Management	S ^{4,5}
Mass Fatality Management	S ⁵
Restoration Operations	P ⁵
Explosives and Projectiles	
Counter-IED Operations	P ³
Destruct Stockpiled/Abandoned Ordnance	P ³
Explosive Demolition	P ³
Reduce Area Denial	P ³
Route Clearance	P ³
Standoff Munitions Disruption (SMUD)	P ³
Natural Hazards	
EMS	P ⁴
EOC Operations	P ⁵ , S ^{1,3,4}
Structural Firefighting	P ⁴
Building Partnerships	
Shape	
Build Capabilities and Capacities of Partners and Institutions	
Enhance Partner Capabilities and Capacities	
Air Advising	S ¹
Engineer Skills Training for Building Partnerships	S ^{1,2,3,4,5,6}
Multi-Trade Construction Project	S ¹