



CASCOM
Requirements Document
Update to the
Joint Committee on Tactical Shelters
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Agenda



- Army Standard Family of Rigid Wall Shelters (ASF-RWS) Capability Development Document (CDD)
- Army Standard Family of Soft Wall Shelters and Support Equipment CDD



**Army Standard Family
Of
Rigid Wall Shelters
(ASF-RWS)
Capability Development Document
(CDD)**



Purpose



The purpose of this CDD is to:

- Convert the ASF-RWS Required Operational Capability (ROC) (25 March 1987, CARDS #1658) into the new Joint Capabilities Integration and Development System (JCIDS) format for historical continuity and to document new capability requirements.
- Update, replace and add to the number of standard RWS available to materiel developers for use.
- Include shelters developed under this CDD in the Joint Committee on Tactical Shelters (JOCOTAS) standard family of tactical shelters.
- Support future systems requiring RWS with reduced development, procurement, operations and support costs, while providing improved logistics supportability, commonality of components, and improved energy efficiency.
- Support materiel developer requirements across the Army and other Services, freeing the system materiel developer to concentrate on systems capabilities rather than the design of the shelter.



Program Summary



- This is a Research, Development Test and Engineering (RDT&E) effort that develops, tests, and finalizes a technical data package that will be used to support customers.
- ASF-RWS will be developed in the following sizes and configurations that can be used to provide Twenty-foot Equivalent Units such as Triple Containers (TRICON), Bisected Containers (BICON), twenty foot shelters, and Vehicle Mounted Shelters. Each of these sizes may include various configurations that can be expanded, panelized, collapsible, or height reducible.
- Procurement is customer funded by materiel developers.
- Add-on technologies to be developed include:
 - Collective Protection Kit
 - Electromagnetic Protection Kit
 - Ballistic Protection Kit



Analysis



Cost-Benefit Analysis (C-BA)

- Alternatives:
 - Do nothing (Retains current family of RWS but does not enable updates to latest technologies and advances).
 - ASF-RWS (Eliminates the proliferation of non-standard shelters and their associated logistics burden and prevents the duplication of shelter research and development efforts).
 - Each PM developing their own RWS. (Allows proliferation of non-standard shelters and their associated logistics burden and duplication of shelter research and development efforts).
- Objective of the C-BA is to select the best alternative.
- Criteria: Each of the three alternatives will be evaluated to compare four identified Measures of Performance (MOP):
 - Power consumption
 - Payload
 - Years of Service
 - System component compatibility



Schedule



Initial Operational Capability (IOC) - Family of RWS	Quarter/ Fiscal Year
Family of Vehicle Mounted RWS (TDP)	3QFY19
Family of Expandable/Non-expandable 20' RWS (TDP)	4QFY20
Family of Collapsible & Panelized RWS (TDP)	2QFY22
Family of Expandable/Non-Expandable Bicon/Tricon RWS (TDP)	4QFY23

Note: IOC occurs when the first ASF-RWS TDP is available for PMs systems integration.

ASF-RWS CDD	Tentative Quarter/Fiscal Year
Worldwide Staffing/Adjudication	Completed 18 OCT 13
ARCIC Validation/Adjudication	Completed 30 MAY 14
HQDA 1 Star Staffing/Adjudication	Completed 26 SEP 14
AROC Staffing/Adjudication	Completed MAR 15
Joint Review	?
Requirements to Resources Panel Deferred ASF-RWS Not Allowing to Compete for Funding in POM 17-21	POM 18-22



**Army Standard Family
Of
Soft Wall Shelters
(ASF-SWS)
Capability Development Document
(CDD)**



Purpose



The purpose of this CDD is to:

- Document capability requirements for ASF-SWS including support equipment.
- Update, replace and add to the number of standard SWS available to the Army and other Services.
- Include in the Joint Committee on Tactical Shelters (JOCOTAS) standard family of tactical shelters.
- Reduce SWS procurement, operation and support costs, while providing improved logistics supportability, commonality of components, and improved energy efficiency.



Program Summary



- This is a Research, Development Test and Engineering (RDT&E) effort that develops, tests, and finalizes technical data packages which are made available to both other PM's and products for the field to order.
- Types and sizes of ASF-SWS to be determined. Will include:
 - Shelters for Mission Command w Trailer Mounted Power and Environmental Control
 - Billeting / General Purpose Shelters
 - Maintenance Shelters both Vehicle and Aircraft
 - Medical Shelters
 - Arctic 10 Man Tent and support equipment (Sled and Heater)
 - Possible vehicle to vehicle quick attachment for hasty environmental protection
 - Other – Looking for specific ideas...
- Possible add-on technologies / Support Equipment to be developed include:
 - Collective Protection Kit (Medical)
 - Ballistic Protection Kit
 - Environmental Control Units / Heaters
 - Tactical Electric Power (leverage PM E2S2 efforts)



Analysis



Analysis of Alternatives (AoA)

- Report from the shelters survey conducted by PM FSS

Cost-Benefit Analysis (C-BA)

- Alternatives: (Must have at least three COAs)
 - Do nothing (Retains current family of SWS – allowing purchase of any shelters)
 - TBD
 - TBD
- Objective of the C-BA is to select the best alternative
- Criteria: Each of the alternatives will be evaluated to compare identified Measures of Performance (MOP). MOPs being considered are:
 - Durability
 - Maintainability (by unit not a Field Service Representative)
 - Speed of Setup and Strike
 - Weight



Schedule



ASF-SWS CDD	Tentative Quarter/Fiscal Year
Kick-off Meeting	(T) 1 st week June15
Initial Draft CDD	(T) SEP 15
Worldwide Staffing/Adjudication (with draft LCCE)	2 Months (OCT-NOV15)
ARCIC Validation Staffing/Adjudication (with validated LCCE and draft C-BA)	3-4 Months (DEC-MAR 16)
HQDA 1 Star Staffing/Adjudication	4-6 Months (APR-SEP 16)
AROC Staffing/Adjudication	4-6 Months (OCT-MAR 17)
Joint Review	?

- Timeline above is based on ASF-RWS historical data.
- To compete in POM 19-23 CDD must be at HQDA by 1 Oct 16.



Questions?

Support Starts Here!