

Customer Need No.	Specification No.	Met/Unmet	Specification	Ideal	Margin	Units	Notes	Source
CN1	S1		Supports weight of person lying down.	250 (122)	217.2	Lbs. (Kg)	95th Percentile Body Mass 40-Year Old American Male	http://msis.jsc.nasa.gov/sections/section03.htm
CN1	S2		Supports stature of person lying down.	77	≥ 75	In.	99th Percentile Stature 40-Year Old American Male + Safety Factor	http://msis.jsc.nasa.gov/sections/section03.htm
CN1	S3		Supports width of person lying down.	29	≥ 22	In.	95th Percentile Shoulder Breadth 40-Year Old American Male + Safety Factor	http://msis.jsc.nasa.gov/sections/section03.htm
CN2, CN12	S4	21"	Is stable for sleeping.	30	≥ 22	Friction Force (N)	Sliding friction, center of gravity for tipping, tendency to fold, etc.	http://msis.jsc.nasa.gov/sections/section03.htm
CN3	S6		Meets ergonomically appropriate height from floor.	19	≥ 14	In.	99th Percentile Popliteal Height 40-Year Old American Male, 5th Percentile Female	
CN4	S7		Minimizes the amount of crevasses.	0	0	No. of Crevasses	None.	
CN4	S8		Minimizes the amount of dark spaces.	0	0	No. of Dark Spaces	None.	
CN4	S9		Minimizes the number of seams.	0	0	No. of Seams	None.	
CN4	S10		Quick bed bug inspection speed.	60	≤ 90	Seconds	All parts of the cot can be easily inspected for bed bugs	
CN4	S11		Allows bed bug elimination.	0	0	# of Bed Bugs	Wash/dry in hot water, can be reached by alcohol, chemical sprays	
CN5	S12		Allows bacterial/viral elimination.		Yes	Yes/No	Bleach or commercial disinfectant spray or laundering	
CN6	S13		Does not resist contamination of bodily fluids.	Resists bodily fluid contamination.	0	0	No. of Stains	All parts waterproof, blood stain resistant
CN7	S14		Allows regular cleaning.	2000	≥ 1000	No. of Washes	Machine wash/dry, spray on cleaners, wipe with cloth or paper towel	
CN7	S15		Allows reasonably quick cleaning.	10	≤ 15	Minutes	Doesn't include laundering of linens.	
CN8	S16		Allows several cots to be stored in the shelter room.	12	≥ 12	No. of Cots		
CN9	S17	Is lightweight for suspending and lifting.	10	≤ 15	Lbs. (Kg)			
CN10	S18	Allows reasonably quick storage.	10	≤ 15	Minutes			
CN11	S19	Meets budget requirement.	\$ 100.00	≤ \$200	U.S. Dollars			
CN13	S20	Has 6 legs that are not "sharp," but can easily injur someone in a fall.	Does not have sharp edges	0	0	No. of Sharp Edges		
CN14	S21	Not stackable.	Stackable for Off-Season Storage	Yes		Yes/No		