

Revision #: 1

Eng. Spec #	Need	Importance	Specification (Description)	Unit of Measure	Marginal Value	Ideal Value	Comments/Status
1	1.1	10	1-Arm Compatability	Binary		Yes	Both left and right
2	1.2	7	Easily folded for transport	Cubic Ft			Research average capacity in average vehicle
				Pounds	40	< 30	
3	1.3	10	Easily maneuverable	Subjective	5	8	Out of 10
4	1.4	6	Second user	Binary		Yes	
5	1.5	6	Set-up	Seconds	20	10	Set-up Time
6	1.6	5	Brake system	%			% gradient held/controllability
7	1.7	6	Traverse terrain	Binary		Yes	
8	2.1	8	Safe forces	Pounds			Defined by Physical Therapist per user
9	2.2	7	Durable	Pounds	200	250	Capacity for user
10	2.3	5	Arm Throw	Degrees	120	120	
11	2.4	8	Pinch points	Number of		0	
12	2.5	7	Comfort	Hours	3	8+	
13	3.1	10	Under budget	None			
14	3.2	4	Reproducible	US \$			Around average price of existing wheelchairs
15	3.3	4	Adaptable	%			% of parts that need changing
16	4.1	3	Good style	Subjective			
			Stability	Pounds			Force required to tip over

Engr. Spec. #: enables cross-referencing (traceability) and allows mapping to lower level specs within separate documents

Source: Customer need #, regulatory standard (eg. EN 60601), and/or "implied" (must exist but doesn't have an associated customer need)

Description: quantitative, measureable, testable details

*This table can be expanded to document test results