

Design Characteristics (Hows)

Operational Team Size	Pack Size	D-R Time	DRM Elapsed Time	Refueling Time	Weight	Cost	Availability	Reliability

Customer Requirement (Whats)

Accurately Detect Explosives	0.2927	0.2927
Reliable	0.1463	0.1463
Available	0.1463	0.1463
Rugged	0.0976	0.0976
Fast search coverage	0.0732	0.0732
Rapidly deployable by typical soldier/Marine	0.1463	0.1463
Easy to transport	0.0976	0.0976

Check Sum 1.0000 1.00

Goal (Objective) Value

Threshold Value

0.95	0.9	25K	14	30	3	5	120	1
0.9	0.8	50K	18	60	5	10	216	2

Weighted Performance

Percent Performance

2.9	2.9	0.0	1.3	0.6	0.7	1.5	0.9	0.4	11.2
0.261	0.255	0.000	0.118	0.052	0.059	0.137	0.078	0.039	1.000

Check

