Table D-4. MAT Specification Requirement

MAT Capability	Requirement	
Minimum Load Lift	300 lbs	
Time to Lift / Time to Lower (0 Wind)	12 sec / 10 sec	
Time to Lift / Time to Lower (35mph Wind)	12 sec / 10 sec	
Target Arm Weight	400 lbs	Must be capable of accepting 4"x4" timber target legs.
Presentation	Minimum 90% of target shall be exposed above the berm with no part of lifting arm exposed for direct fire.	
RCS - RF Communications	RF Frequency Low	138 - 160 MHz
	RF Frequency High	406 - 420 MHz
	Bandwidth	<= 12.5 kHz
	Max Distance (RCS - Target)	8 km
RCS - Hard Wire Communications	Max Distance (RCS - Target)	8 km
Cycles Per Hour / Cycles without Regenerating Power Supply	8 / 100 per 24 hours	
Mean Time between Failures	2000 cycles	
Power Requirements	Power Supply	120/240 VAC, Single Phase
	System Charging	3.8 kVA
	Static / Design Load	100VA / 3.8kVA
Length of Movement / Speed (Moving Targets)	Target Lifter track standard of 350m with full target exposure for 50 seconds. Accelerations from 0 - 20 k/hr - 100m. Deceleration to 0k/hr within 100m. Four distinct speed ranges (not less than 3k/hr apart): 8-13 km/h, 14-18 km/h, 19-24 km/h, 25-32 km/h.	