

TABLE 7-8 GENERIC RADAR SYSTEM PARAMETERS/TRADE-OFFS

TARGET PARAMETERS	SYSTEM REQUIREMENTS	RADAR PARAMETERS
Relative Position	Search Volume	Frequency
Size	Detection rapidity and probability	Aperture
Dynamics	Tracking parameters	RF power
Scintillation	Tracking accuracy	Pulse repetition frequency
Uncertainty	Time between false alarms	Pulse length
	Resource demands	Losses/Noise
		Technology