

TABLE I

Hit Probability ( $P_H$ ) As A Function of Range and Aiming Error ( $\sigma_A$ )  
 Target Radius ( $R_T$ ) = 9 in. (Head, Neck and Shoulders) and 4 in. (Head)  
 Round-to-Round Projectile Dispersion = .3 Mil

$R_T$ (in.)	$\sigma_A$ (Mils)	Range (ft)	$\sigma_{Total}$ (Mils)	$P_H$	$R_T$ (in.)	$\sigma_A$ (Mils)	Range (ft)	$\sigma_{Total}$ (Mils)	$P_H$
9	.5	175	.58	1.0	4	.5	175	.58	1.0
		240		.94			240		.94
		270		.89			270		.89
	.7*	175	.76	1.0	.7*	175	.76	1.0	.96
		240		.81		240		.81	
		270		.73		270		.73	
	1.0	175	1.04	1.0	1.0	175	1.04	1.0	.81
		240		.99		240		.59	
		270		.97		270		.50	
	1.2***	175	1.24	1.0	1.2***	175	1.24	1.0	.69
		240		.96		240		.47	
		270		.92		270		.39	
	1.4**	175	1.43	.99	1.4**	175	1.43	.99	.59
		240		.91		240		.38	
		270		.85		270		.31	
	1.5	175	1.53	.98	1.5	175	1.53	.98	.54
		240		.88		240		.34	
		270		.81		270		.27	
2.0	175	2.02	.89	2.0	175	2.02	.89	.36	
	240		.70		240		.21		
	270		.61		270		.17		

\* Aiming error for target at 175 feet from reenactment at APG.

\*\* Aiming error for target at 240 feet from reenactment at APG.

\*\*\* Aiming error for target at 270 feet from reenactment at APG.

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