

In Example 9, the MX is now double targeted with the Minuteman III12A: 822 Minuteman warheads (274 missiles) and 820 MX warheads (82 missiles) used against the 818 Soviet counterforce ICBM targets

Example 9

$$\begin{aligned} \text{Probability of survival of targets} &= (1-\text{TKP}_1)(1-\text{TKP}_2) \\ &= (1-0.76)(1-0.49) \\ &= (0.24)(0.51) \\ &= 12\% \end{aligned}$$

This significant increase in the counter-force capabilities of the US is further emphasized when the Trident D-5 is considered.

Example 10

$$\begin{aligned} \text{D-5CEP} &= 0.06 \\ \text{SSKP} &= 0.98 \text{ (H=2,000 psi)} \\ \text{TKP} &= \text{SSKP} \times \text{OAR} \\ &= 0.78 \\ &= 78\% \end{aligned}$$

In Example 11, 824 Trident D-5 warheads and 820 MX warheads (103 Trident D-5 missiles with 8 warheads each, 82 MX with 10 warheads each) are double targeted against the 818 counterforce Soviet ICBM targets:

Example 11

$$\begin{aligned} \text{Probability of survival of targets} &= (1-\text{TKP}_1)(1-\text{TKP}_2) \\ &= (1-0.78)(1-0.76) \\ &= (0.22)(0.24) \\ &= 0.05 \\ &= 5\% \end{aligned}$$

In Example 12, 1640 Trident D-5 warheads (205 missiles) are double targeted against 818 Soviet ICBM targets: