

**Net Present Value (NPV) of Inspections, PSP<sup>sm</sup>, TSP<sup>sm</sup>, SW-CMM<sup>®</sup>, ISO 9001, and CMMI<sup>sm</sup>**

	SLOC	Dev/Maint Effort	Slope	Investment	Y Intercept	Breakeven Staff Days	Benefit	Cost	Net Benefits (No Discount)	Calendar Years	Net Benefits (Discounted)	Net Benefits (Difference)
Test	10,000	55,248	0.18	78.00	-14.12							
Inspection	10,000	19,963	0.50	24.00	-12.02	5	\$2,999,400	\$82,073	\$2,917,327	2.41	\$2,506,380	14%
PSP	10,000	400	25.00	160.00	-4,000.00	20	\$4,664,600	\$145,600	\$4,519,000	0.13	\$4,483,567	1%
TSP	10,000	1,634	6.12	200.00	-1,223.99	26	\$4,525,400	\$311,800	\$4,213,600	0.29	\$4,136,683	2%
SW-CMM	40,000	24,667	1.62	282.25	-457.70	40	\$12,164,200	\$850,500	\$11,313,700	3.10	\$9,306,957	18%
ISO 9001	40,000	19,963	2.00	578.00	-1,158.14	79	\$2,772,600	\$330,396	\$2,442,204	2.68	\$2,063,285	16%
CMMI	40,000	50,800	0.79	896.75	-706.10	146	\$12,164,200	\$2,315,565	\$9,848,635	6.54	\$6,525,209	34%

**Return on Investment (ROI)**

	B/CR	ROI%	B/CR	ROI%
	<b>(Without NPV)</b>		<b>(With NPV)</b>	
Inspection	37:1	3,555%	31:1	3,054%
PSP	32:1	3,104%	32:1	3,079%
TSP	15:1	1,351%	14:1	1,327%
SW-CMM	14:1	1,330%	12:1	1,094%
ISO 9001	8:1	739%	7:1	624%
CMMI	5:1	425%	3:1	282%

<sup>sm</sup> PSP, TSP, and CMMI are service marks of Carnegie Mellon University

<sup>®</sup> SW-CMM is registered in the U.S. Patent and Trademark Office