



Senior Readiness Oversight Council

Meeting the Secretary's Reduction Goal Progress to Date

August 12, 2004



Agenda

- **Mishap Metrics and Initiatives**
- **Army Efforts to Reduce Accidents in
OIF/OEF**



Moving Forward on the Secretary's Guidance



“I challenge all of you to reduce the number of mishaps by at least 50% in the next two years.”

- May 19, 2003



DoD Numbers and Rates are too High

In FY 2002 DoD mishaps resulted in:

- **550+ active duty fatalities**

- 308 were POV accidents
- 66 were aviation related deaths

- **Over 1,474,000 military injury cases**

- 348,683 cases with duty limitations
- 31,631 cases resulting in hospitalization or quarters
- 91,448 days lost

- **Class A Aviation Accident Rate almost doubled to 1.95**

- Losses valued at \$1.818 billion



**1 Military
Death every
16 hours**



**168 active
duty military
injuries every
hour**



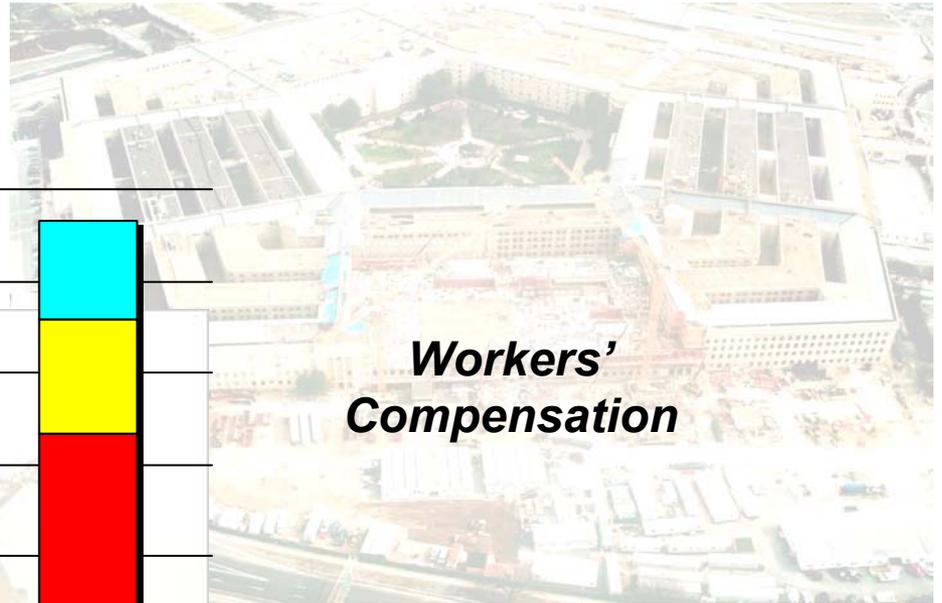
**1 Aircraft
destroyed
every 5.5 days**



Direct Accident Costs

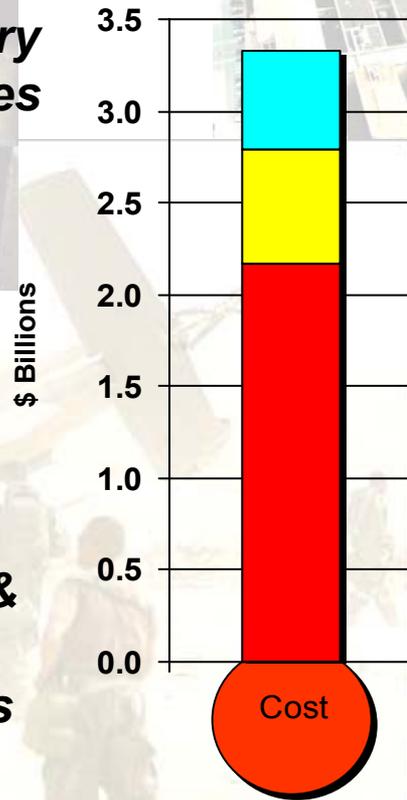


Military Injuries



Workers' Compensation

Aviation & Ground Accidents



National Safety Council estimates the indirect cost of accidents to be 4x the direct cost



Operation Iraqi Freedom

Non Combat Fatalities July 4 – July 17, 2004



Pfc. Christopher J. Reed

Died due to a non-combat related vehicle accident in Al Anbar Province, Iraq, on July 10, 2004



Cpl. Terry Holmes

Died due to a non-combat related vehicle accident in Al Anbar Province, Iraq, on July 10, 2004



Sgt. Michael C. Barkey

Died when a tire on his military vehicle blew out, the driver lost control and the vehicle turned over in Ramadi, Iraq, on July 7, 2004



Sgt. Krisna Nachampassak

Died due to a non-combat related vehicle accident in Al Anbar Province, Iraq, on July 10, 2004



Sgt. James G. West

Died when the vehicle he was riding in was involved in a head-on collision with another vehicle near Hillah, Iraq, on July 11, 2004



Spc. Dana N. Wilson

Died in a head-on collision between two vehicles near Hillah, Iraq, on July 11, 2004



Pfc. Jesse J. Martinez

Killed when his vehicle rolled over as the driver tried to avoid another vehicle in Talafar, Iraq, on July 14, 2004



Staff Sgt. Trevor Spink

Died due to a non-combat related vehicle accident in Al Anbar Province, Iraq, on July 10, 2004



Cpl. Demetrius L. Rice

Killed when his vehicle rolled over as the driver tried to avoid another vehicle in Talafar, Iraq, on July 14, 2004



9 vehicle related deaths



“It is one thing for a Commander to express to a grieving family the bravery and courage shown by a fallen comrade in combat, and it is an entirely different thing to regretfully address a tragic death or injury due to an accident that could have been prevented.”

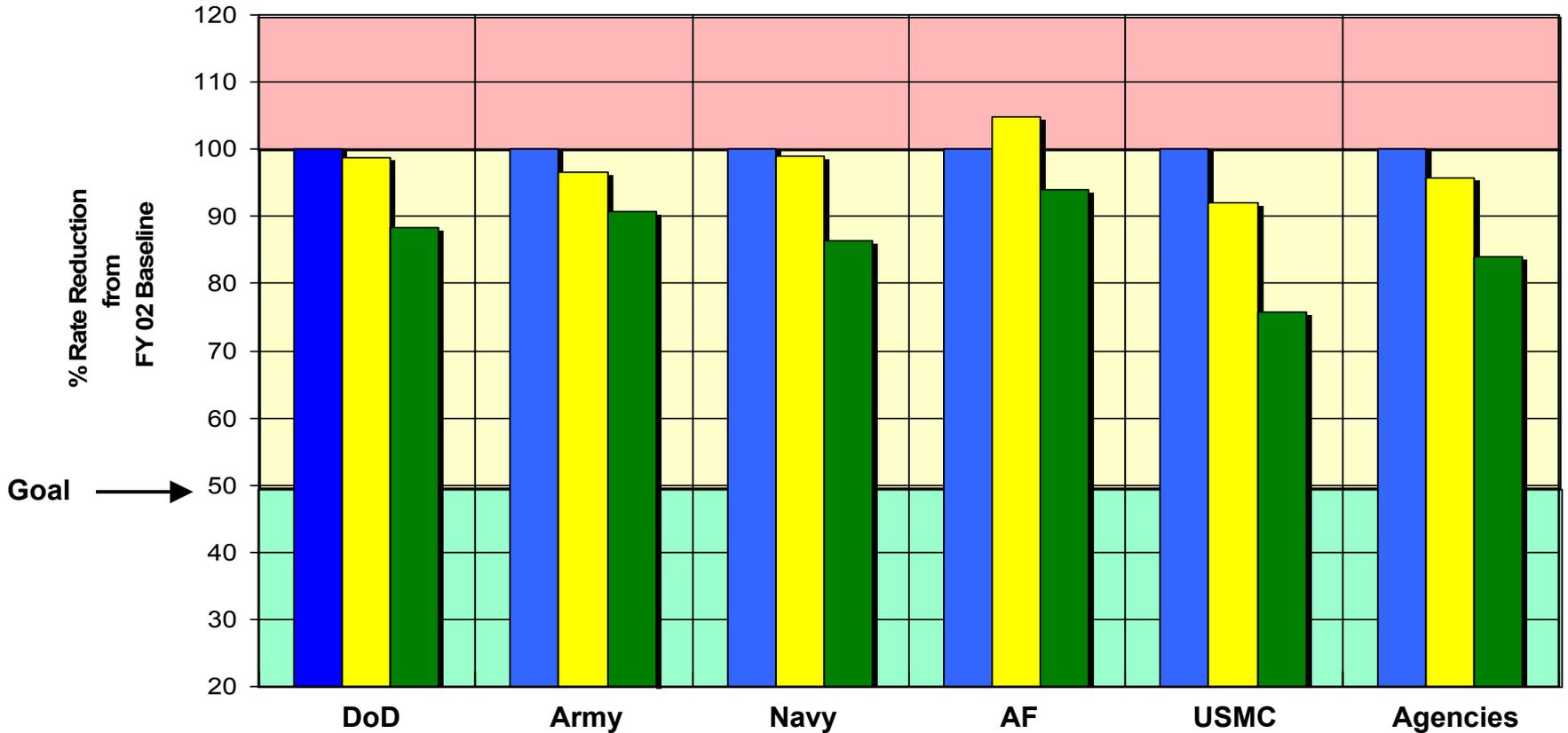
- CENTCOM Commander, May 2003



Mishap Metrics



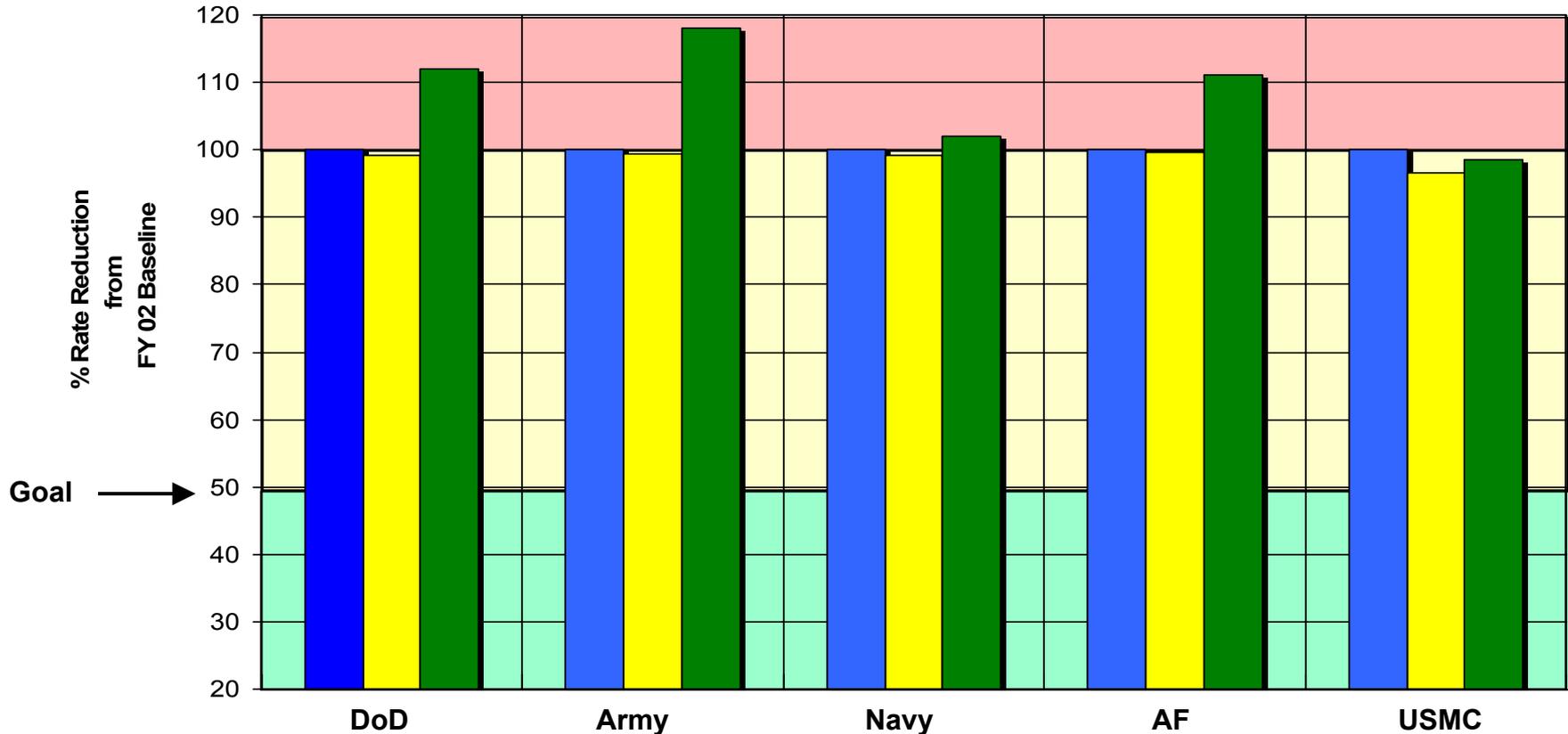
Overall Civilian Lost Day Rates



	DoD	Army	Navy	AF	USMC	Agencies
Baseline FY 02	31.49	29.29	39.83	25.60	73.83	25.58
FY 03	31.07	28.29	39.39	26.85	67.97	24.46
FY 04	27.85	26.60	34.41	24.07	55.89	21.48
FY 05 Goal	15.74	14.65	19.92	12.80	36.92	12.79



Military Injury Cases

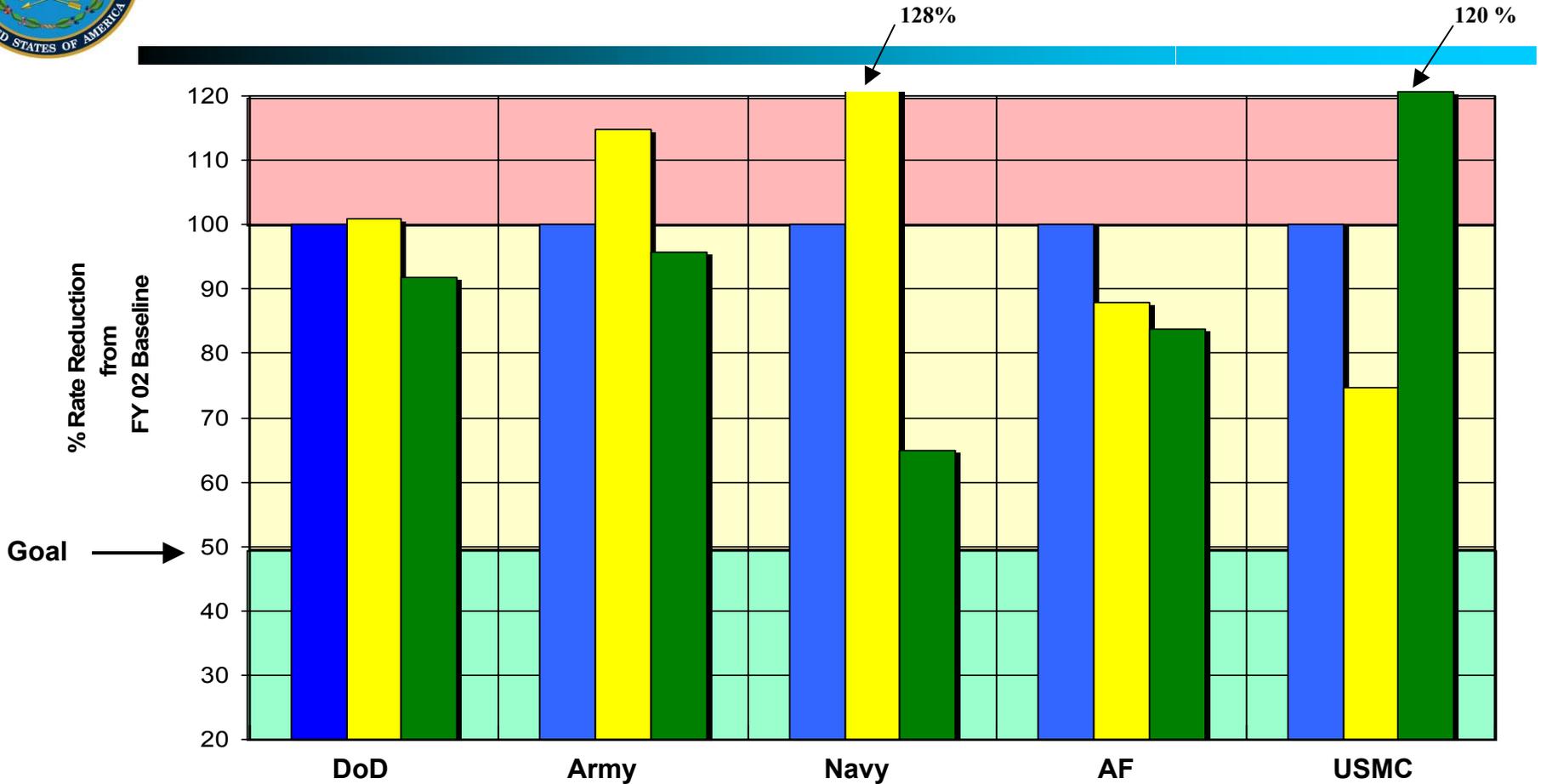


	DoD	Army	Navy	AF	USMC
Baseline FY 02	31,631	17,682	6,437	4,130	3,382
FY 03	31,380	17,611	6,387	4,116	3,266
FY 04 thru May Projected	23,819	13,939	4,410	3,062	2,222
FY 05 Goal	15,816	8,841	3,219	2,065	1,691

Source: AMSA – Injuries cases resulting in Hospitalizations and Quarters



Aviation Class 'A' Flight Mishap Rates

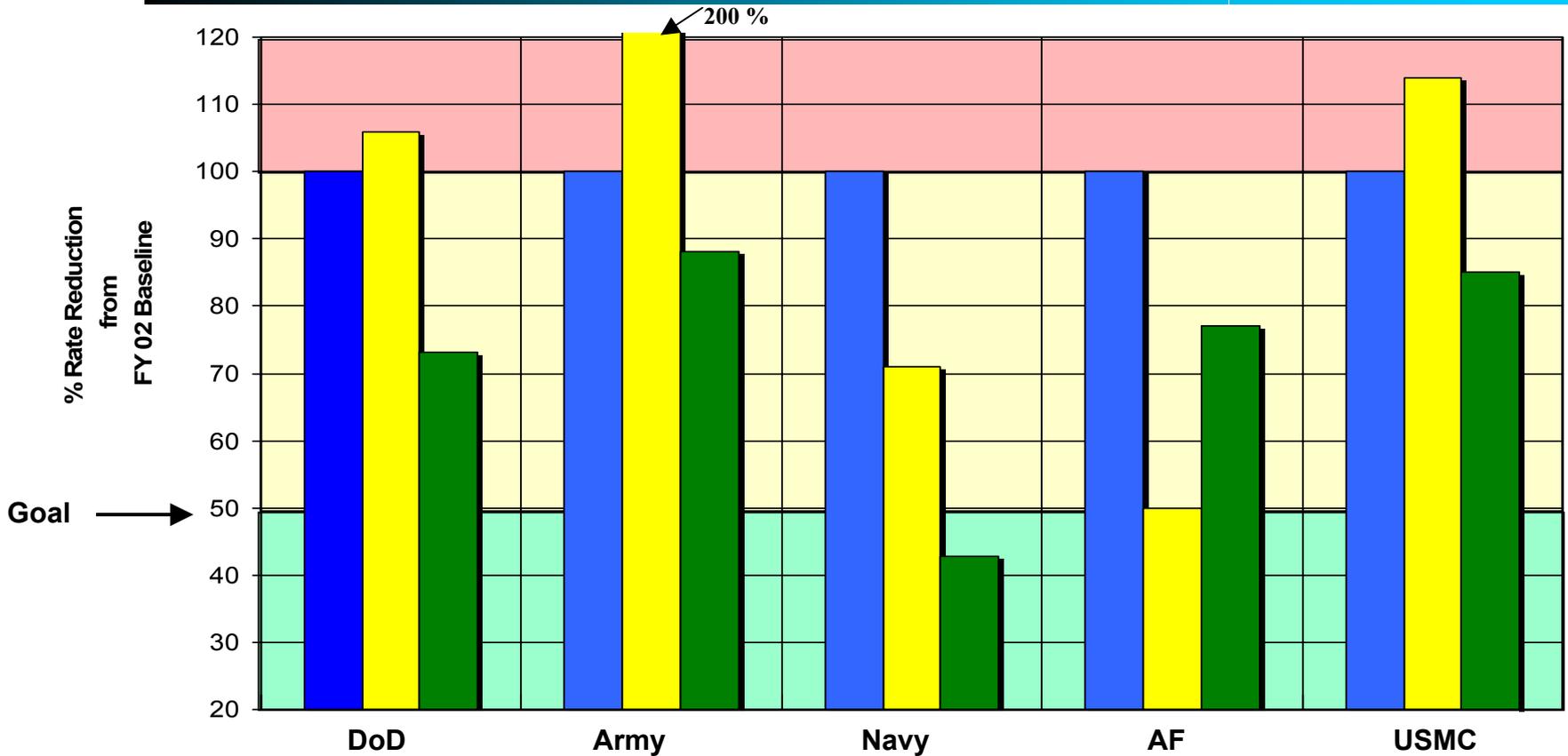


	DoD	Army	Navy	AF	USMC
Baseline FY 02	1.95	2.51	1.76	1.48	3.89
FY 03	1.97	2.88	2.26	1.30	2.90
FY 04 thru Aug 9	1.79	2.40	1.14	1.24	4.69
FY 05 Goal	.97	1.26	.88	.74	1.94



Aviation Fatalities

(FY 04 projected through year-end)



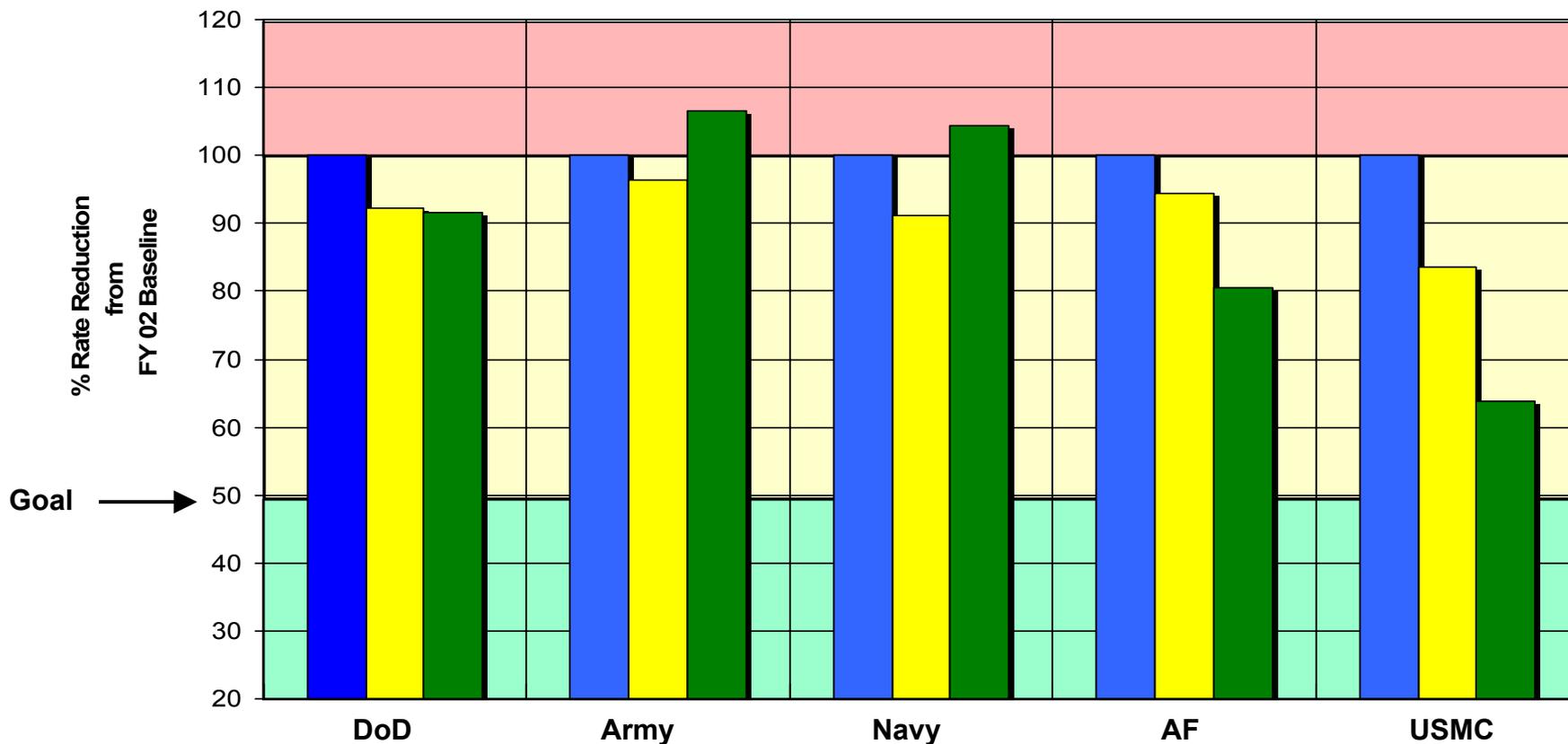
	DoD	Army	Navy	AF	USMC
Baseline FY 02	67	17	14	22	14
FY 03	71	34	10	11	16
FY 04 thru Aug 10 Projection	38	11	5	13	9
FY 05 Goal	34	9	7	11	7

Source: Safety Centers, Aviation Flight, Flight Related, and Ground Operations fatalities



Private Motor Vehicle Fatalities

(FY 04 through July)



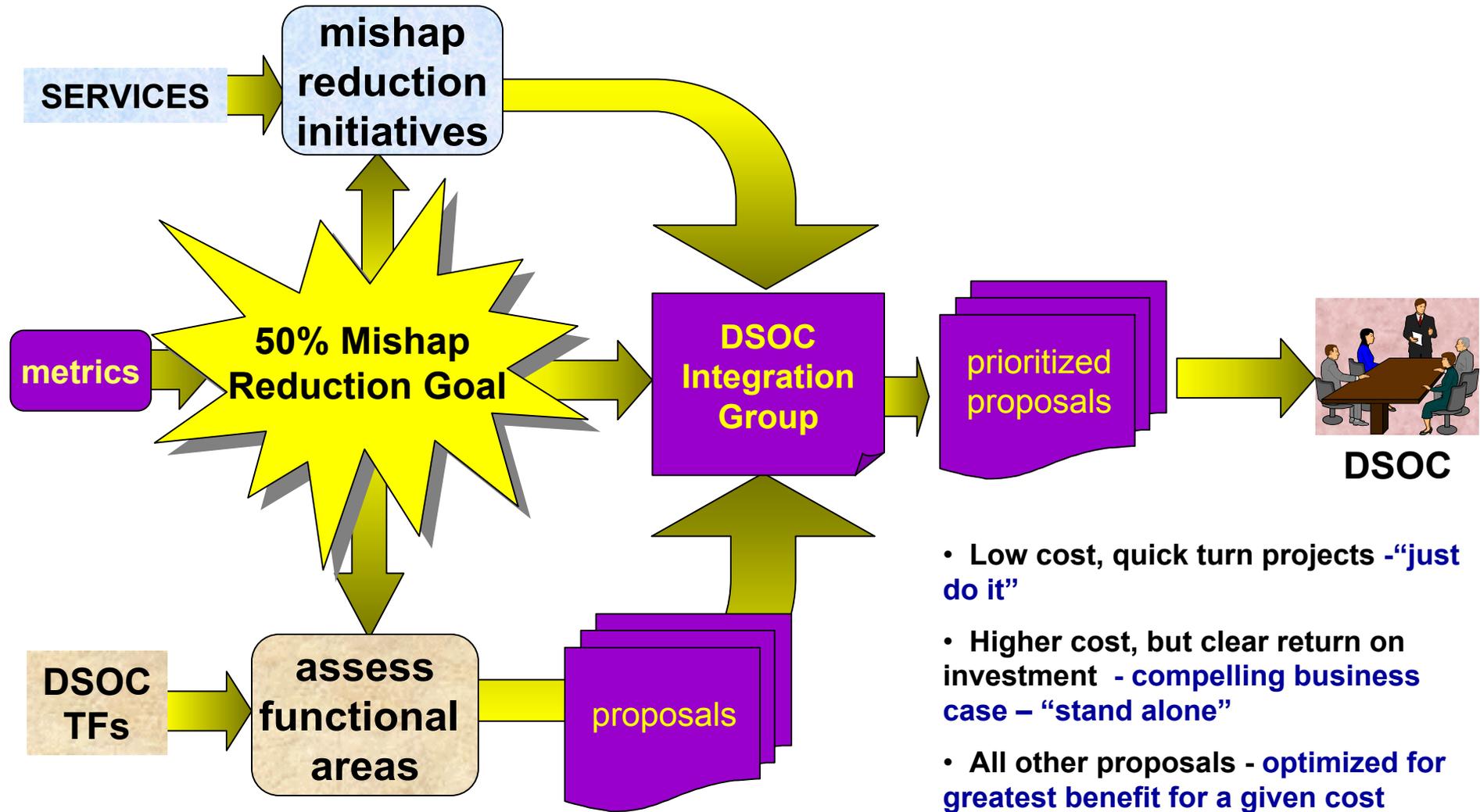
	DoD	Army	Navy	AF	USMC
Baseline FY 02	308	107	68	72	61
FY 03	284	103	62	68	51
FY 04 thru Aug 4	242	96	59	52	35
Projection	276	109	68	59	39
FY 05 Goal	154	54	34	36	31



Task Force Proposals

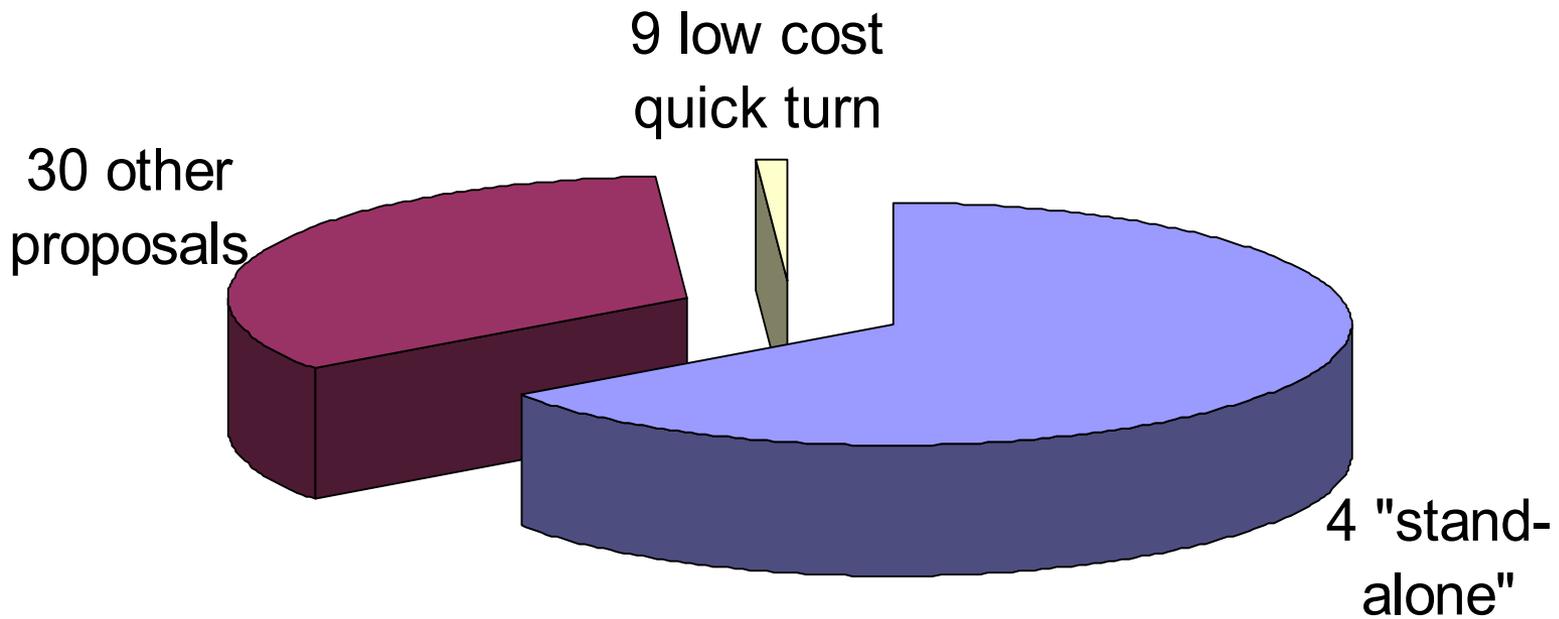


Task Force Proposal Process





Task Force Proposals (FY 2005 to FY 2011)



**Total FY 2005-2011
\$495M**

[details](#)



“Just do it”

- **Lower legal Blood Alcohol Concentration (BAC) to 0.08 for military across DoD**
- **Deliver cost and injury data to safety and injury compensation managers**
- **Safety information on NIPRNet and SIPRNet**
- **Virtual library of program innovations - injury compensation**
- **Streamline and expedite injury claims process**
- **Web-based learning for injury compensation professionals**
- **Improve Injury Compensation Business Processes**
- **Acquisition staff access to ESOH standards**
- **Physical profiling in CHCS II**



Higher Cost Proposals Clear Return on Investment



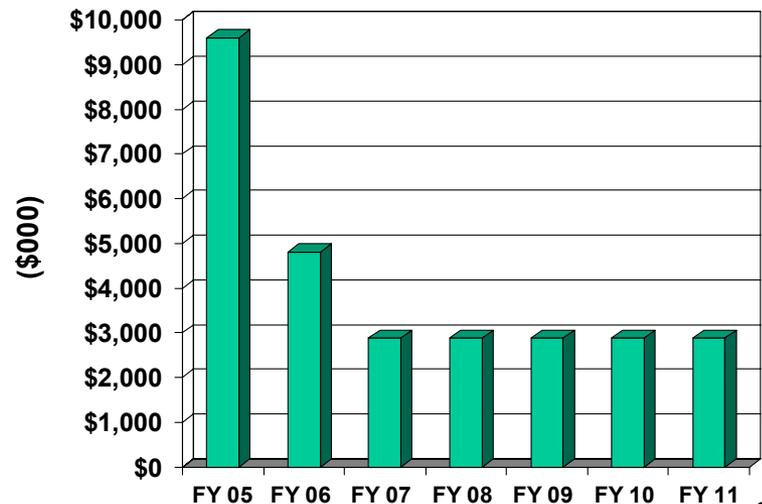
Higher Cost Proposals Clear Return on Investment

- **Voluntary Protection Program (VPP)
Safety Management Systems**
- **Airborne Ankle Braces to Prevent Injuries**
- **Military Flight Operations Quality
Assurance (MFOQA)**
- **Reemploy Injured Employees**



Voluntary Protection Program (VPP) Safety Management Systems

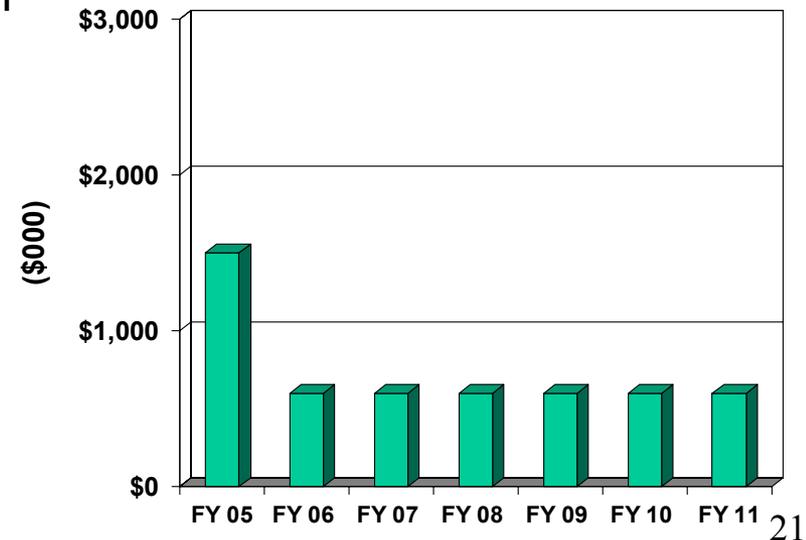
- **Description:** Use an overarching safety management system, Voluntary Protection Program, to incorporate safety into the fabric of all DoD operations.
- **Return on Investment:**
 - Over 10 years of private industry experience demonstrates safety management systems typically experience at least a 150% return on funds invested:
 - A total reduction in cases of 63% (i.e., 23% reduction in recordable injuries 40% reduction in lost time cases)
 - And a 50% reduction in compensation claims
 - Selected DoD and Federal Agencies (i.e., Army, NASA, DOE, USPS) implementing this approach have seen similar reductions
- **Investment (FY 2005-2011): \$29M**





Airborne Ankle Braces to Prevent Injuries

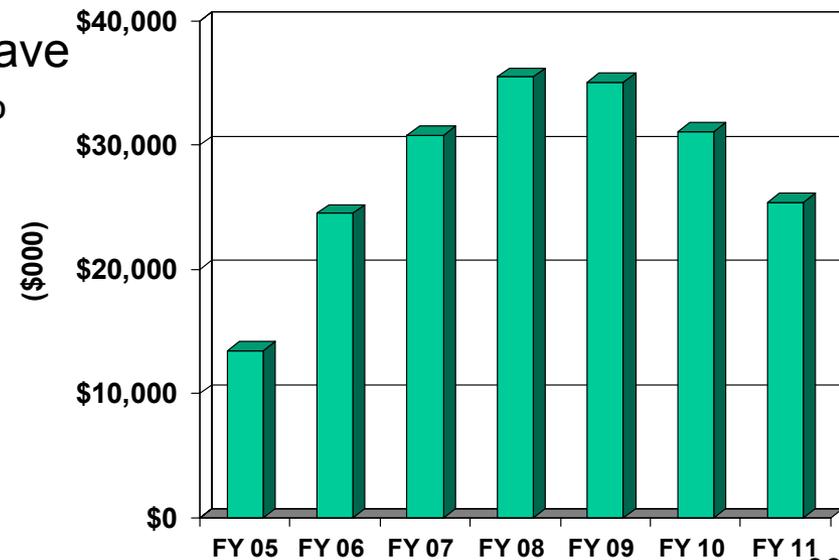
- **Description:** Ankle injuries account for 30 to 60% of all parachuting injuries. Airborne trainees who trained during periods when the Parachute Ankle Braces (PABs) were not in use were twice as likely to sustain an ankle injury requiring hospitalization compared to paratroopers who trained while the PABs were in use. Reintroduce PABs in order to reduce frequency and severity of lower extremity injuries during basic airborne school training and operations.
- **Return on Investment:**
 - Estimated savings of \$3.3 million in medical care costs annually due to 50% reduction in serious ankle injuries among trainees and estimated 75-80% reduction in mild ankle injuries
 - Greater efficiency in training cycle
 - Improved readiness
 - FY 2005 funds service school, and funds 10% airborne units, FY 2006 buys total force
- **Investment (FY 2005-2011): \$5.1M**





Military Flight Operations Quality Assurance (MFOQA)

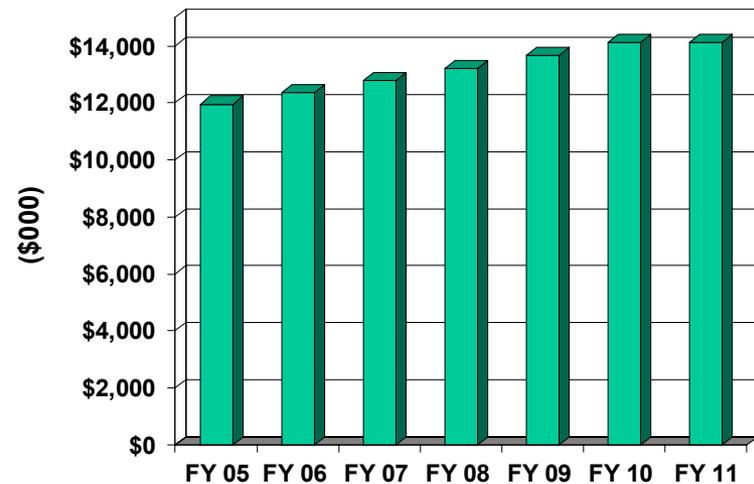
- **Description:** Field MFOQA capability across select DoD aircraft platforms, enabling operators and commanders to monitor training, operational and maintenance trends to proactively prevent mishaps and increase combat readiness.
- **Return on Investment:**
 - Business Case Analysis concluded MFOQA could save Department of Navy \$258M in mishap losses for a \$78M investment over the FYDP and save \$60M a yr thereafter. Represents 230% Return On Investment over 5 yrs
 - Air Force breakeven with a 1% mishap rate reduction
- **Investment (FY 2005-2011): \$186M**





Reemploy Injured Employees

- **Description:** Reemploy 200 injured employees per year by providing over hire and civilian pay authority to immediately reemploy partially recovered employees, along with resources to administer the program.
- **Return on Investment: 1357% ROI broken down as follows:**
 - Direct annual cost savings of \$11.6 million will offset initial investment
 - Replacement and overtime avoidance produce cost savings of approximately \$752,700
 - Potential lifetime cost avoidance estimated at \$169 million
- **Investment (FY 2005-2011): \$92M**





Proposals for Maximized Benefit and FY 2005 Cost Ceiling

Name	Benefit	FY 2005
Root Cause (Epidemiology) Analysis of DoD Military Injuries	68%	\$275
Establish Safety Organization in USSOCOM	65%	\$384
Science-based Policies & Programs to Prevent Physical Training Injuries	65%	\$145
Anatomically-specific Military Footwear Dem/Val	60%	\$930
Automated Support of Operational Risk Management of Driving (ASMIS)	57%	\$300
Train Acquisition Personnel to Correct Injury-causing Designs	57%	\$130
Musculoskeletal Injury Risk Estimator Tool	56%	\$125
Train Recruit Training Facility Leadership to Prevent Injuries	55%	\$350
Integrate Environment, Safety & Occ Health into DAU Curricula	54%	\$100
Mothers Against Drunk Driving (MADD) Traffic Safety Shows Applied to DoD	54%	\$950
COCOM Safety Liaison Officers	54%	\$1,800
Bird/Wildlife Aircraft Strike Hazard (BASH) Small Mobile Radars (SMR) Dem/Val	53%	\$850
Alcohol Use Prevention Provider Training	53%	\$250
Traffic Safety Awareness Campaign	52%	\$750
Motor Vehicle Crash Prevention Best Practices Distribution	50%	\$30

Name	Benefit	FY 2005
Safety Professional Intern Program	49%	\$420
Traffic Safety Professional Training Requirements	49%	\$100
Alcohol Use and Mitigation Surveillance	49%	\$250
Alcohol Use Reduction: Web-based Education	45%	\$195
Commander's Automated Tool for Operational Risk Management (ORM)	44%	\$150
Reduce Alcohol Use - Social Norm Approach	44%	\$500
Promote Risk Management as Life Skill - Dem/Val	42%	\$200
Add ESOH Standards to the Acquisition Program Manager's Tool (PMT)	39%	\$230
Change motor vehicle operators behaviors - Dem/Val	67%	\$1,996
"Need for Speed" Focused Training by NASCAR Drivers (Two-Year Test)	48%	\$1,800
Private Motor Vehicle Simulator Training (Limited Test)	43%	\$1,600
Automatic Ground Collision Avoidance System (AGCAS) Dem/Val	72%	\$6,500
Automatic Airborne Collision Avoidance (AACAS) Dem/Val	62%	\$3,000
Apply NHTSA Traffic Safety Programs in DoD	62%	\$2,000
DoD Wide Motorcycle Safety Training	55%	\$4,956

..... \$10M

..... \$15M

..... \$31M⁴



Way Ahead

- **Press forward on the low cost proposals**
- **Each Military Department to incorporate the four “high value” initiatives into their budget submissions**
- **Refine the other proposals to implement immediately**
- **Continue work on high-value initiatives**
 - Medical Case Management
 - Aviation Human Factors Safety Survey
 - Aviation Anonymous Self Reporting System



***“These goals are achievable,
and will directly increase our
operational readiness. We owe
no less to the men and women
who defend our nation.”***

- Secretary Rumsfeld, May 19, 2003