

Executive Summary

Title: Navy Mishap Reporting Analysis, CODE 63 Project #11-007

Bottom Line Up Front:

- Statistical significant increase shift in the number of Class C mishap reports beginning in FY09
- Statistical significant increase shift in the number of on duty Class C and D mishap reports beginning in FY09.
- Probabilities of number of mishap reports submitted for different units sizes.

Summary:

The focus of this study was to delve deeper into Navy mishap reporting in an effort to identify any trends that may be evident.

The analysis of the data was able to uncover the following trends:

- The number of Class A and B reports in FY10 is statistically significantly lower than previous three year average.
- 5% likelihood a unit with less than 100 military personnel will not submit a mishap report in a fiscal year.
- 0% likelihood a unit with more than 100 military personnel will not submit a mishap report in a fiscal year.
- 37% likelihood that a unit regardless of military personnel size will not submit a Class A or B mishap report.
- Statistically comparing the mishap reporting rates for each of the following different unit types to the Navy over all, there is no statistical difference amongst the rates.
 - Ship associated units
 - Submarine associated units
 - Medical Units, Squadrons
 - Expeditionary Units
 - Special Warfare units
 - Administrative Units
- Probability Table for the number of mishap reports submitted per unit military personnel size are enclosed in the full study.