

Title: Statistical Techniques

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This document shall be reviewed by the authorization person as detailed:

Next Review Due:	Jan 98			
Action By:	Joe Rogers			

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1.0 PURPOSE

This procedure describes the use statistical techniques used to ensure consistent quality of products and services provided by Engineering Division.

2.0 SCOPE

This procedure applies to all processes where statistical techniques are used.

3.0 REFERENCES

Basic statistical techniques are used in routine engineering analyses and calculations. All appropriate FARs, TMs, ERs, ETLs, ECs, and other guidance shall be used as the basis for performing these techniques.

4.0 DEFINITIONS

A statistical technique is any calculation or set of calculations/analyses used to measure the quality or outcome of any engineering product or service.

5.0 RESPONSIBILITIES

The Management Team will have the authority to identify and implement statistical techniques in Engineering Division beyond those described in 3.0 above.

Branch/Section Chiefs and Project Engineers/Architects will ensure that this procedure is followed by all personnel.

6.0 PROCEDURES

The statistical techniques used in Engineering Division are standard engineering calculations which are performed by qualified engineers and engineering technicians. In some cases, the techniques will be performed manually; in others, by use of computer software.

Examples of these routine techniques are:

- Value Engineering Analyses
- Analysis of Bid Results
- Cost Growth Analysis
- Construction Modification Analysis

The need for additional statistical techniques will be reviewed by the Management Team annually.

7.0 RECORDS/OBJECTIVE EVIDENCE

The files containing statistical techniques as described herein will be part of the technical project files.