Design Quality Assurance Plan

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Active Divisions/Departments
FEMC

Raytheon Polar Services Company
Facilities, Engineering, Maintenance, and Construction (FEMC)
Contract No. OPP 0000373

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Purpose

To plan a course of action and responsibilities for everyone involved in the design process at Raytheon Polar Services Company (RPSC) and to ensure that designs are completed in the most efficient and quality conscious manner.

Scope/Applicability

This applies to every RPSC employee involved in project design.

Responsibilities

**Director, FEMC**

- Confirms all project requirements with the National Science Foundation.
- Ensures that this procedure is followed, and that all aspects of design quality assurance are accomplished.

**Manager, Engineering**

- Assigns the specific responsibilities for accomplishment of the design quality assurance checks.
- Ensures that all design personnel are accomplishing quality design work based on appropriate engineering principles, and that all design personnel are following the *Design Quality Assurance Guideline* (EN-DMPS-206).
Project Engineers, Designers, and Draftspersons

Perform required calculations, drawings, and quality checks for each design using the appropriate portion of the Design Quality Assurance Guideline (EN-DMPS-206).

General

Project design quality assurance is based on following appropriate engineering principles and accomplishing independent design checks by qualified engineers.

Procedures

1. The Engineering Manager, at the start of a design project, will advise the design engineers and draftspersons on the appropriate design quality checks that will be accomplished during the design.

2. At the mid-point of the design process, the Engineering Manager will accomplish a design check to see that the design is progressing properly, and that the quality of the design is appropriate.

3. At the completion of the design, a final quality check will be performed by someone qualified to examine the plans, and preferably, not involved in the original design. This individual or team will be assigned by the Engineering Manager, and they will follow the Design Quality Assurance Guideline (EN-DMPS-206).

Records

This procedure generates no records.