

A large, light blue watermark of the Defense Logistics Agency (DLA) seal is centered in the background. The seal features an eagle with wings spread, perched on a shield with vertical stripes. Above the eagle is a banner with the word "LOGISTICS". Below the eagle is a banner with the word "DEFENSE" on the left and "AGENCY" on the right. The seal is surrounded by several stars.

DSDC
Software Quality Assurance (SQA)
Overview

Prepared By: sepg@dcdc.dla.mil

Why are we Here??



- **Receive orientation on the Role, Responsibilities, Authority and Value of the SQA Group.**
- **How SQA fits into the project.**

Topics To Be Covered

1. Authority

2. CMM requirements for SQA

3. SQA at DSDC

4. SQA on Projects

5. Value of SQA

6. Responsibilities



DSDCD 8120.002 -

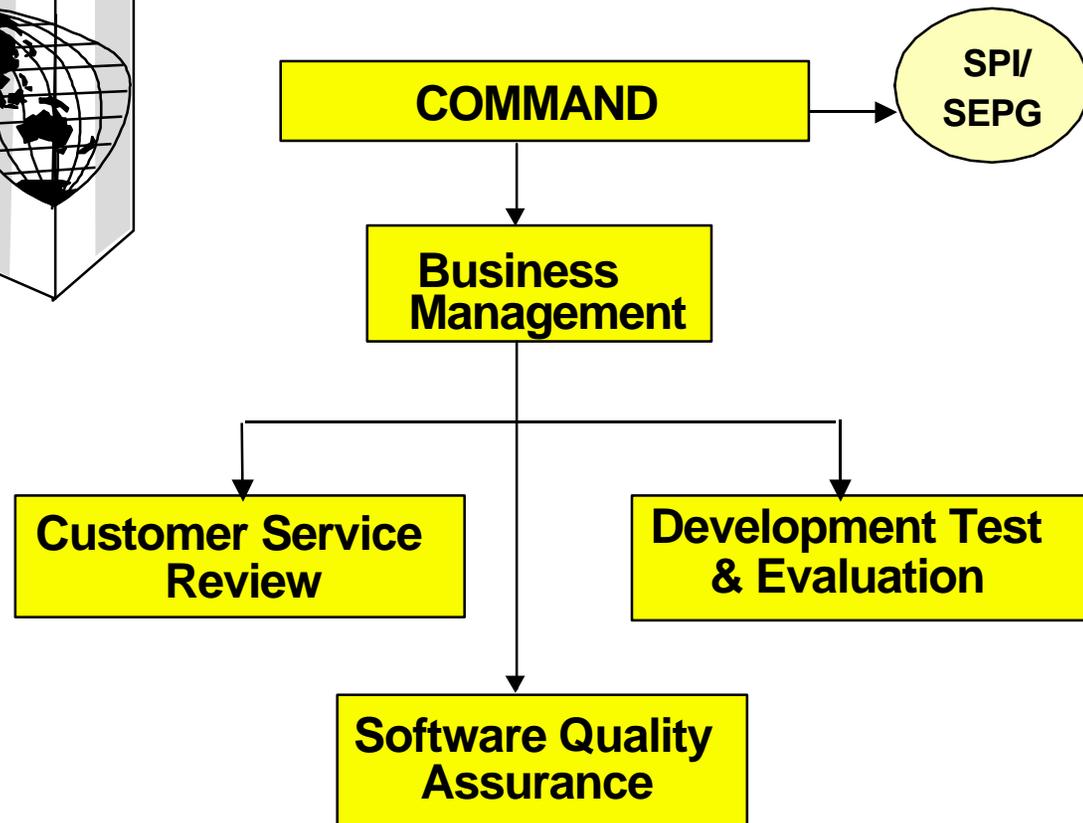
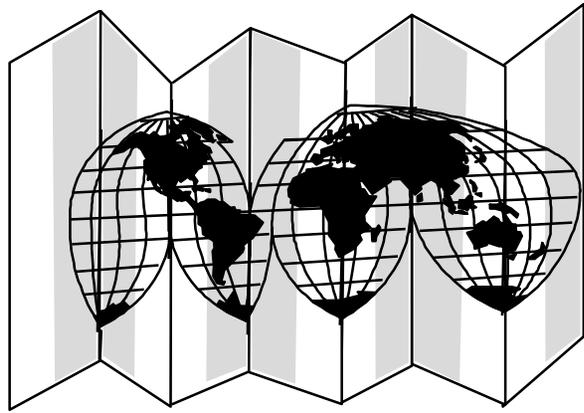
**Letter signed by Capt.
Anderson that gives the
authority to perform SQA
functions to the Director of
Product Assurance and
Service Review (DSDC-BQ)**



CMM Requirements For SQA

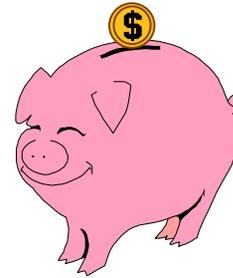
- Independent of Development
- Activities are Planned
- Compliance is Verified
- Deviations are Addressed
- Noncompliance Issues are Elevated
- Teams and management are Informed
- Activities & Results are Reviewed

SQA in DSDC Organization



The SQA Plan Includes...

- **Responsibility & Authority of SQA**
- **Resource Requirements for SQA**
- **SQA Participation in establishing plans**
- **Product & Process Evaluations to be done by SQA**
- **Reviews and Audits lead SQA**
- **Criteria & Schedule for Reviews & Audits**
- **Documentation SQA is Required to Produce**
- **Method & Frequency of Feedback**



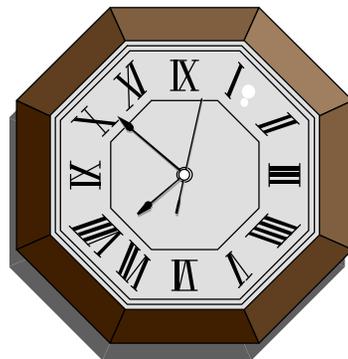
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Value Of Software Quality

Saves TIME and MONEY.

- Defects Found Sooner in Development
- Shorter Development Time (Less Rework)
- Fewer Problems After Release



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19	20	21	22	23	24	25
26	27	28	29	30	31	

- Better Visibility
- Fewer Defects
- Fewer Requirement changes
- Time = Money



SQA Responsibilities

- **Helps meet the Capability Maturity Model**
- **Provides process visibility**
- **Verifies implementation of Key Process Areas (KPA)**

- **Reviews and audits of activities and work products against DSDC Policies and Procedures**

- **Focus on deviation tracking**
- **Report deviations to team and managers**
- **Works with managers to resolve deviations and noncompliance issues**

“Quality assurance makes the problem visible so the problem (not the blame) can be fixed.”

< Sacramento Air Logistics Command , a level 3 Organization >

Project Manager Responsibilities

- Budget time and resources for SQA
- Assure compliance w/ the Project Guide (DSDC 8120)
- Assure compliance w/ requirements
- Communicate SQA activities and results
- Resolve deviations



Project Team Responsibilities

- Know the plans that make up Project's SDP
- Follow applicable standards, policies and procedures
- Treat SQA as team member





A Point to Ponder

“The bitterness of Poor Quality
remains long after the
sweetness of meeting the schedule
has been forgotten.”

- Quality Assurance Institute