QA Vs QC

QA –Quality Assurance

QC – Quality Control

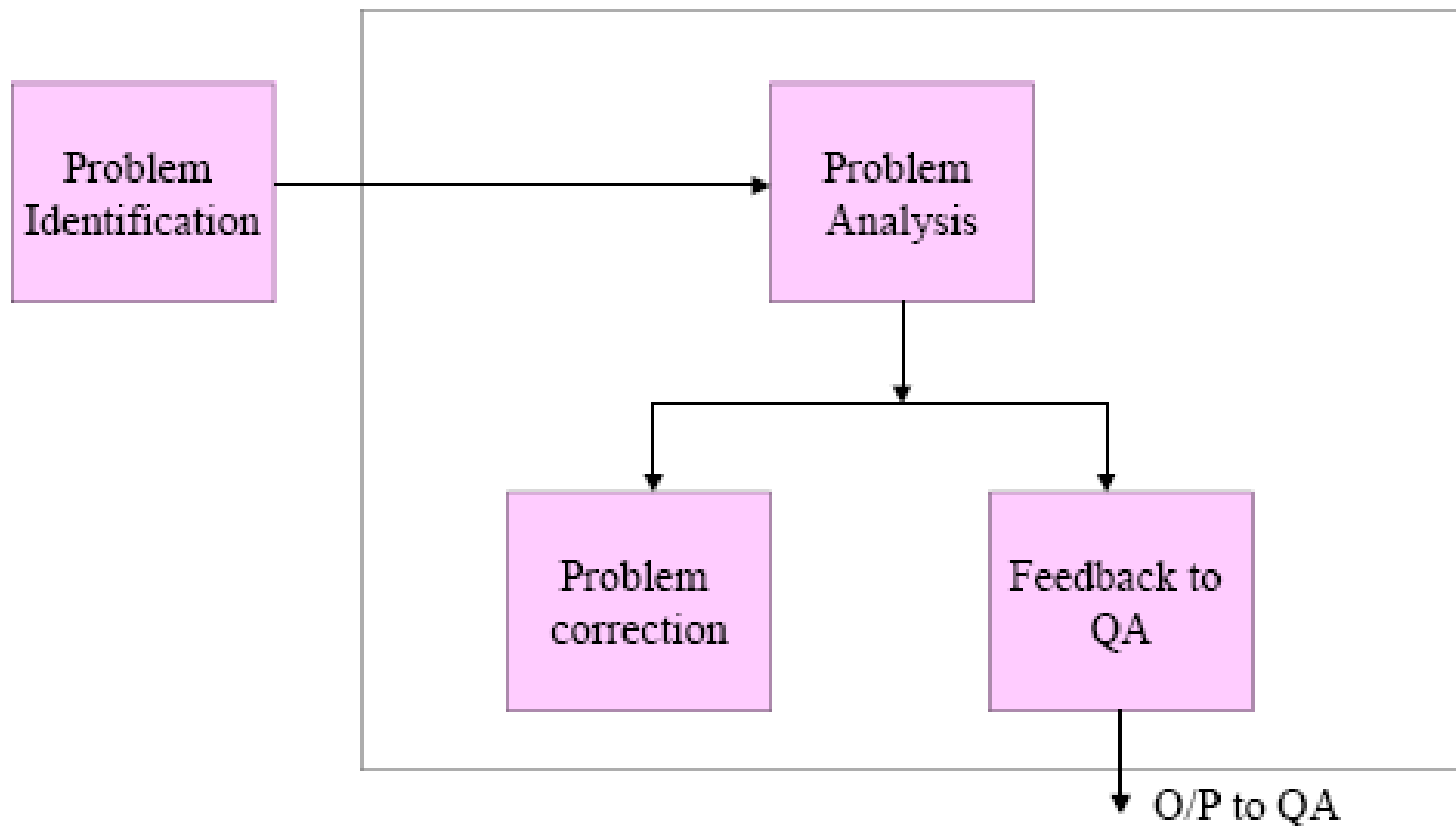# ISO 9000 Definitions

- QC:
  - The operational techniques and activities that are used to fulfill requirements for quality
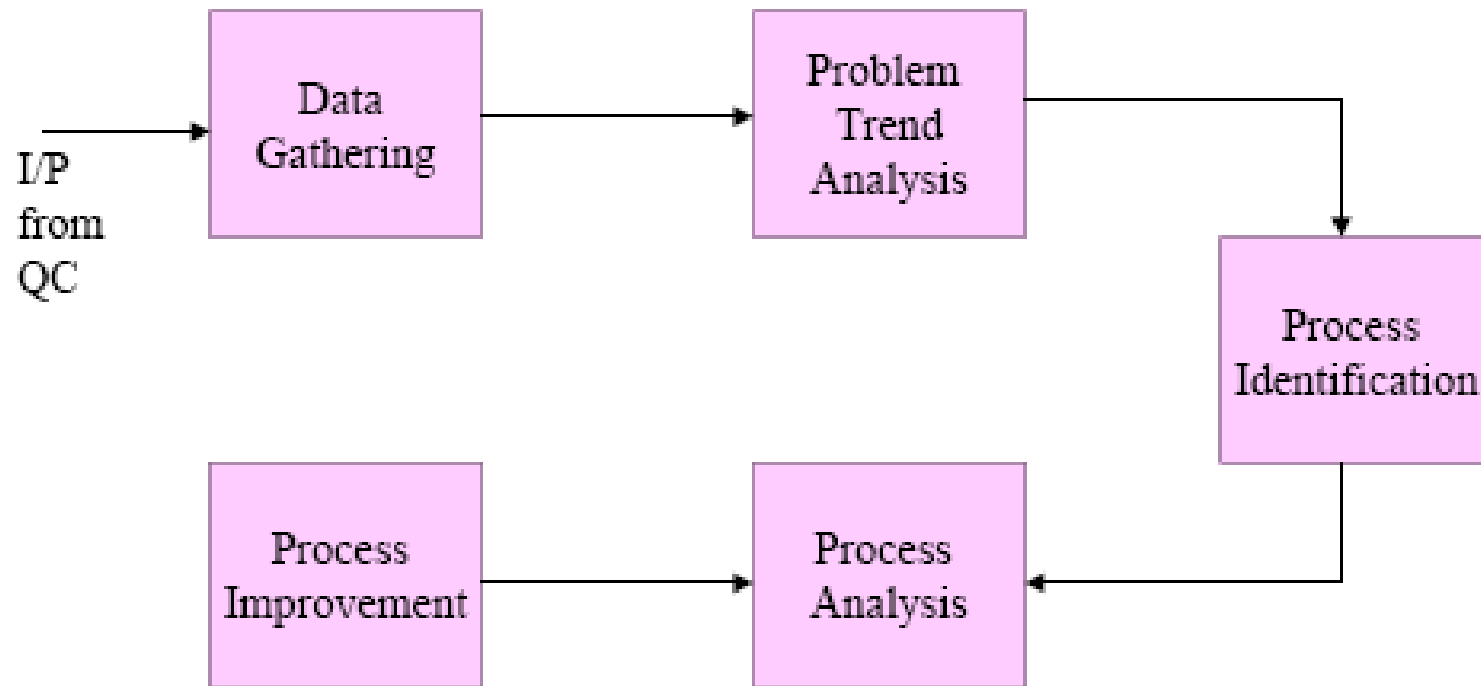- QA:
  - All those planned and systematic activities implemented to provide adequate confidence that an entity will fulfill requirements for quality

Typical QC steps

Problem Management

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┌────────────────┐                              ┌────────────────┐
│    Problem     │ ───────────────────────────▶ │    Problem     │
│ Identification │                              │    Analysis    │
└────────────────┘                              └───────┬────────┘
                                                        │
                          ┌─────────────────────────────┴───────┐
                          ▼                                      ▼
                   ┌──────────────┐                      ┌──────────────┐
                   │   Problem    │                      │ Feedback to  │
                   │  correction  │                      │      QA      │
                   └──────────────┘                      └──────┬───────┘
                                                                ▼
                                                          O/P to QA
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Typical QA steps

QC Vs QA

- ☐ QC
  - ■ Product
  - ■ Reactive
  - ■ Line Function
  - ■ Find defects
- ☐ Examples
  - ■ Walkthrough
  - ■ Testing
  - ■ Inspection
  - ■ Checkpoint Review

- ☐ QA
  - ■ Process
  - ■ Proactive
  - ■ Staff function
  - ■ Prevent Defects
- ☐ Examples
  - ■ Quality Audit
  - ■ Defining Process
  - ■ Selection of tools
  - ■ Training