Software life cycle processes

Purpose

- A new international standard (ISO/IEC 12207:1995(E)) that
  - establishes a common framework for software life cycle processes.
  - uses well-defined terminology
  - is suitable for all sectors in the software industry

Field of application

- Intended for use in a two-party situations
  - parties from different organisations
  - parties from same organisation
  - single party/self imposed tasks
- Not intended for off-the-shelf software products unless incorporated into a deliverable product.
- Written for the
  - acquirer, supplier, developer, operator, maintainer
  - managers, QA managers and end-users

Structure of the international standard

- 5 primary life cycle processes
  - Acquisition, supply, development, operation and maintenance.
- 8 supporting life cycle processes
  - Documentation, configuration management, quality assurance, validation, verification, joint review, audit and problem resolution.
- 4 organisational life cycle processes
  - Management, infrastructure, improvement and training.
Software life cycle processes
Five primary life cycle processes

**OPERATING VIEW**

5.4 Operation process
- Process implementation
- Operational testing
- System operation
- User support

Start

End

5.1 Acquisition process
5.2 Supply process
5.3 Development process
5.4 Operation process
5.5 Maintenance process