PHASES / ITEMS	UR **User Requirements Definition**	UR/R	SR **Software Requirements Definition**	SR/R	AD **Architectural Design**	AD/R	DD **Detailed Design and Production**	DD/R	TR **Transfer**	OM **Operations and Maintenance**
MAJOR ACTIVITIES	• determination of operational environment • identification of user requirements		• construction of logical model • identification of software requirements		• construction of physical model • definition of major components		• module design • coding • unit tests • integration tests • system tests		• installation • provisional acceptance tests	• final acceptance tests • operations • maintenance of code and documentation
DELIVERABLE ITEMS	User Requirements Document **URD** →		Software Requirements Document **SRD** →		Architectural Design Document **ADD** →		Detailed Design Document **DDD** → Software **code** → User Manual **SUM** →		Software Transfer Document **STD** →	Project History Document **PHD**
REVIEWS		■ technical reviews	■ walkthroughs ■ inspections	■ technical reviews	■ walkthroughs ■ inspections	■ technical reviews	■ walkthroughs ■ inspections	■ technical reviews		
MAJOR MILESTONES		▲ URD approved		▲ SRD approved		▲ ADD approved		▲ DDD/code/SUM approved	▲ STD delivered provisional acceptance	▲ PHD delivered final acceptance

Software Life Cycle

ESA Software Engineering Standards: The Software Life Cycle Model