ESA Software Engineering Standards: Software Project Phases

UR = User Requirements Definition Phase

Problem definition phase:
Refine an idea about a task to be performed, using computing equipment, into a definition of what is expected from the computer system.

SR = Software Requirements Definition Phase

Problem analysis phase:
Analyse the statement of user requirements in the URD and produce a set of software requirements as complete, consistent and correct as possible.

AD = Architectural Design Phase

Solution phase:
Define a collection of software components and their interfaces to establish a framework for developing the software. It must cover all the requirements in the SRD.

DD = Detailed Design and Production Phase

Implementation phase:
Detail the design outlined in the ADD, and code, document and test it.

TR = Transfer Phase

Handover phase:
Install the software in the operational environment and demonstrate to the initiator and users that the software has all the capabilities described in the URD.

OM = Operations and Maintenance Phase

Enter practical use.
Ensure that the product continues to meet the real needs of the end-user.