

Requirements Specification Document Organization

Requirements specification documents are organized into sections per the standard requirements specification document outline, q.v. The following table shows the file organization for a requirements specification of typical size:

Section	Contents	Directory	Filename
1	Introduction	requirements	intro
1.1	Problem Statement	requirements	problem
1.2	System Personnel	requirements	personnel
1.3	Operational Setting	requirements	setting
1.4	Impact Analysis	requirements	impacts
1.5	Related Systems	requirements	related
1.6	Feasibility Analysis	requirements	feasibility
2	Functional Requirements	requirements	functional
2.1	User Interface Overview	requirements	ui-overview
2.n	Requirements Scenario N	requirements	[section specific]
3	Non-Functional Requirements	requirements	non-functional
4	System Developer Overview	requirements	developer-overview
5	Formal Specification	specification	spec
5.n	Formal Specification Module n	specification	[module specific]

A document (sub)section is stored in a separate file, with abbreviated mnemonic name, if one or both of the following conditions is true:

- a. sibling (sub)sections are written by different authors
- b. a (sub)section is large enough to be better managed as a separate file (approximately three pages or more)

In a document with subsections, the introductory paragraphs for the section are followed by source inclusion of the subsections. For example, the file intro contains the first paragraphs of the introduction section. The four subsections of the introduction are contained in the files users, operations, existing, and impacts; these files are source included within the intro file.

The formal specification in Section 5 is comprised of an introductory file with an overview of the modules that comprise the formal specification. This introductory file source includes the formal specification .rsl files in raw source form.