

Politecnico di Milano

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Software Engeenering 2: PowerEnJoy

**R**equirement **A**nalysis and **S**pecification **D**ocument

1. Introduction
   * 1. Purpose

1 Introduction

* Purpose
* Scope (Identifies the product and application domain)
* Definitions, acronyms, abbreviations
* Reference documents
* Overview (Describes contents and structure of the remainder of the RASD)

2 Overall Description

* Product perspective (Describes external interfaces: system, user, hardware, software; also operations and site adaptation, and hardware constraints)
* Product functions (Summary of major functions)
* User characteristics
* Constraints (Anything that will limit the developer’s options (e.g. regulations, reliability, criticality, hardware limitations, parallelism, etc.))
* Assumptions and Dependencies

3 Specific Requirements (All the requirements go in here (i.e. this is the body of the document) the IEEE standard provides 8 different templates for this section)

Appendices

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1. **Introduction**
   1. **Purpose**

This document represents the Requirement Analysis and Speciﬁcation Document (RASD). RASD enables to analyse and formalize the real need of customers and to show the constraints and the limit of the software. Documentation spots functional and non-functional requirements in order to define the system, the domain of the problem and their interactions. Moreover, it defines a baseline for project planning and estimation and may also be legally binding. Requirements take care about the customer’s needs or stakeholders’ wishes that could change over the time. Programmers and developers base their work on this document.

**1.2**

The main goal of this document is to completely describe the system in terms of functional and non-functional requirements, analyse the real need of the customer to modelling the system, show the constraints and the limit of the software and simulate the typical use cases that will occur after the development. This document is intended to all developer and programmer who have to implement the requirements, to system analyst who want to integrate other system with this one, and could be used as a contractual basis between the customer and the developer.