

January 10, 2007

Version 1.3

Deliverable A

Requirements and Interface Document

(Instructions are in brackets and gray, delete once document is complete)

System: _____

Component or Subsystem: _____

Team Name: _____

Team Member 1: _____

Team Member 2: _____

1. Component Description

(This section should contain a one paragraph overview description of what component/subsystem needs to be designed, what functions this components/should fulfill, how it will fit into the parent system, and why it is important)

2. Functional Requirements

(This section should contain a numbered list of functional requirements, and describe what the to-be-designed component/subsystem should achieve, not how it is to be achieved. The requirements are specifications of function, not form. It is important that as many requirements as possible contain a qualifier (equal to, smaller than, greater than) as well as quantitative value, e.g. 40 N of force.)

3. Constraints

(Constraints represent operating conditions or parameters are given and that cannot be violated and that are outside the control of the design team.)

4. Interface Definition

(This section lists all the mechanical, electrical, and software interfaces that the to-be-designed component/subsystem must adhere to. It might be helpful to add a figure here.)

5. Verification

(This section should explain how specifically, once the component/subsystem has been designed, it will be verified whether or not the functional requirements, constraints and interfaces are satisfied.)

Signatures _____

