Specification:

In this chapter you can find a list of the products that will be delivered during the project BINSEGA6. You can also find a description of the product and witch specifications it will comply to.

**Workplan**

The workplan is the document you are reading now. The workplan will contain design decisions, planning for the project and specification of the different software components. Furthermore it will contain the information needed to start the project. It will also function as guidance during the project. After a review with the professor of the draft workplan we will use the given feedback to produce the final version of this product.

**Presentation**

We are going to present our finished software product on Thursday in week 26. This will be done with help of a slide show and a beamer. The following subjects are going to be discussed in this presentation:

How did the development process go?  
What can the software product do?

What can’t the software product do?  
What can be improved in future?

**Demonstration**

The demonstration is going to be given right after the presentation as discussed above. The sole purpose of the demonstration is showing that our software works correctly as specified in the delivered documents. We will be proving this by running our software in multiple different scenarios.

**Final rapport**

The final report is going to be the last delivered product. After a review with the professor of the draft final rapport we will use the given feedback to produce the final version of this product. You can find the following subjects in the final report:

Project goals

The development process  
Software architecture and explanation of design decisions

Software manual

**AP2DX Software**

This is the actual software that has to be delivered. The goal of the software is to use a robot to map an area. During the mapping the robot needs to avoid obstacles and he has to know constantly where his location is. Further requirements are:

The software needs to be distributed  
Limited failsafe possibilities  
It should run over a network or on one device