

Communication Model for Cooperative Robotics Simulator

Formal Technical Inspection Checklist

Version 1.0

1. Introduction

The purpose of this document is to provide formal technical inspection checklist of the architecture design for “Communication Model for Cooperative Robotic Simulator”. Two independent MSE students will inspect the architecture design and provide a report on the result of their inspection. The formal inspection is the review process to ensure the quality of the software design, which will be useful toward the development process.

2. Item to be inspected

The architecture design of “Communication Model for Cooperative Robotic Simulator” will be inspected including use-case diagram, class diagram and sequence diagram. Some reference documents will be provided to give the inspectors some background of the system. The reference documents are Software Requirement Specification version 1.0 and Project Overview version 1.0.

The following are the architecture designs, which will be inspected.

- Use case diagram
- Class diagram
- Sequence diagram

3. Formal technical inspector

- Kevin Sung
- Estaban Guillen

4. Formal technical inspection checklist

Inspection list	Pass/Fail/Partial	Comment
1. The symbols using in use case diagram conform to UML diagram.		
2. The symbols using in class case diagram conform to UML diagram.		
3. The symbols using in sequence diagram conform to UML diagram.		
4. Use case diagram and descriptions are clear and well organized.		
5. Class diagram and descriptions are clear and		

well organized.		
6. Each message passing in sequence diagram is the method in class diagram.		
7. Public attribute and operation should be accessible the outside class.		
8. Private attribute and operation should be accessible within the class.		
9. Class names are well defined and indicate their meaning		
10. The architecture design covers the entire requirement defined in Software Requirement Specification.		