Technical Inspection Checklist

For a GMoDS-based Runtime Agent Role Interpreter

Version 1.0

Submitted in partial fulfillment of the requirements of the degree of MSE

Kyle Hill
CIS 895 – MSE Project
Kansas State University

Table of Contents

1 Introduction

This document provides a list of items in the GMoDS-based Runtime Agent Role Interpreter project that are to be inspected. The technical inspectors should follow this document performing their inspection to make sure that all major areas of the project have been covered. The technical inspection will be performed to ensure the correctness and consistency of the architectural design and formal design documents.

2 Items to be Inspected

The following items will be inspected for correctness and consistency:

1. System Architecture Design
    a. Component Design (Section 2.1)
    b. Component Interface Specification (Section 2.2)
    c. Analysis Class Diagram (Section 2.3)
    d. High-Level Class Diagram (Section 2.4)
    e. Agent Architecture (Section 3.1)
    f. Capabilities (Section 3.2)
    g. Role Interpreter (Section 3.3)
    h. Roles (Section 3.4)
    i. Component Interaction (Section 4.1)
2. Formal Specification

3 Technical Inspectors

- Mike Fraka
- Shylaja Chippa

4 Technical Inspection Checklist

Inspection Item	Pass/Fail/Partial	Comments
The symbols used in class diagrams conform to UML 2.0.		
The symbols used in sequence diagrams conform to UML 2.0.		
The symbols used in component diagrams conform to UML 2.0.		
The Component Interface Specification in Section 2.2 clearly defines the major public operations on the system.		
The Analysis Class Diagram in Figure 2 clearly describes the high-level relationships between		

model elements.		
The High-Level Class Diagram in Figure 3 correctly shows how this system interfaces with the OMACS and GMoDS frameworks.		
The provided descriptions for high-level components are clear and accurate.		
The provided component diagrams are clear and accurate.		
The provided component descriptions are clear and accurate.		
The description of the Role Execution Sequence is accurate and correct.		
The provided USE/OCL model classes, attributes, and relations are consistent with the high-level class model in Figure 3.		
The RoleLevelGoalModel constraints are correctly specified and understandable.		
The GoalCapabilityMap constraints are correctly specified and understandable.		

Table 1 – Technical Inspection Checklist