A.4 Base Use Case Checklist

1. Format complete?
   - Use case name
   - Use case ID
   - Narrative description
   - Preconditions
   - Sequence of inputs
   - Sequence of outputs
   - Postconditions
2. Logic questions?
   - Any missing precondition?
   - Any missing postcondition?
   - Input sequence OK?
   - Output sequence OK?
   - "Correctness" (no $5 notes)
3. Consistency
   - Naming conventions acceptable?
   - Are synonyms present?
   - Are synonyms "standardized" into one consistent term?
4. "Completeness"
   - Any missing use cases?
   - Flow across use cases?
   - Matching preconditions with postconditions?
   - Extra use cases?
   - Traceable to specifications?
5. Conformance to Base Use Case Standard

A.5 Base Use Ca

For the purpose of the n
defined with respect to t

Fault Severity 1 (least
   - Use case forma
     - Use case na
     - Use case II
     - Narrative d
     - Preconditi
     - Sequence o
     - Sequence o
     - Postconditi
   - Typographical
   - Grammar erro
   - Conformance

Fault Severity 2
   - Consistency fa
     - Naming co
     - Synonyms
     - Ambiguou
   - Logic question
     - Any missir
     - Any missir
     - Input sequ
     - Output se
     - "Correctne

Fault Severity 3 (mos
   - Completeness
     - Any missir
     - Any missi
       Requireme
   - Flow across us
   - Matching prec
   - Extra use case
   - Traceable to s
   - Missing steps/
   - Extra steps/fe
     Customer Req

.5 Base Use Case Fault Severity Levels

r the purpose of the review exercise, three fault severity levels are sufficient. These levels are
fined with respect to the Use Case Review Checklist.

Fault Severity 1 (least severe)
- Use case format correct
  - Use case name
  - Use case ID
  - Narrative description
  - Preconditions
  - Sequence of inputs
  - Sequence of outputs
  - Postconditions
- Typographical errors
- Grammar errors
- Conformance to Use Case Standard

Fault Severity 2
- Consistency faults
  - Naming conventions
  - Synonyms
  - Ambiguous/too general
- Logic questions
  - Any missing precondition?
  - Any missing postcondition?
  - Input sequence OK?
  - Output sequence OK?
  - "Correctness" (e.g., no $5 notes)

Fault Severity 3 (most severe)
- Completeness
  - Any missing precondition?
  - Any missing use cases or features because they are not specified in the Customer Requirements?
- Flow across use cases
- Matching preconditions with postconditions
- Extra use cases
- Traceable to specifications? "Incorrectness"
- Missing steps/use cases?
- Extra steps/features (They should be removed because they are not included in the Customer Requirements.)

A.6 Base Use Case Technical Inspection Forms

The reviewers, including the review leader and recorder, presents the result of their work product examination on a form similar to the one in Table A.1. These individual reports are merged by the review leader into the preliminary issues list (Table A.2).

Table A.1   Individual Inspection Ballot

Work Product Information					
Reviewer name					
Preparation date					
Reviewer preparation time					
		Location		Checklist	
Issue #	Page	Line	Item	Severity	Description
1	1	18	Typo	1	Change "accound" to "account"
2					
3					

Table A.2   Inspect

Review team mem	
Leader	
Recorder	
Reviewer	
Reviewer	
Reviewer	
Producer	
Meeting date	
Total preparation	
Team recommend	
Action Item #	Who?
1	

Table A.2   Inspection Summary

Work Product Information						
Review team members						
Leader						
Recorder						
Reviewer						
Reviewer						
Reviewer						
Producer						
Meeting date						
Total preparation time						
Team recommendation						

		Location		Checklist		
Action Item #	Who?	Page	Line	Item	Severity	Description
1		1	18	Typo	1	Change "accound" to "account"

A.7 Sample Inspection Report Outline

Technical Inspection Report

for

DemoATM System Simulator Use Case Descriptions

By

\<Inspection Team Members\>

Table of Contents

I.   Introduction and Technical Inspection Process

II.   Preliminary Issue List

III. Prioritized Action Item List

IV.   Summary of Individual Ballots and Product Metrics

V.   Summary of Process Evaluations

VI.   Conclusion

Reference

Attachments

Attachment A: DemoATM Simulator Use Cases
Attachment B: DemoATM Simulator Customer Requirements
Attachment C: Technical Review Forms
   1. Review Report
   2. Individual Ballots
Attachment D: Fault Classification (by Severity)
Attachment E: Use Case Review Checklist
Attachment F: Technical Review Agenda