

Distributed Assessment of Risks Tool (DART)

System and Software Requirements Definition (SSRD v3.0)

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Team 15

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Version control

Date	Author	Changes	Version
10/04/2001	Karl Gallagher	Initial Draft	0.1
10/07/2001	Karl Gallagher	Team Feedback Edit	0.1a
10/12/2001	Karl Gallagher	Minor revisions	0.2
10/14/2001	Karl Gallagher	Review version	0.3
10/16/2001	Michael Klug	Reviewed, added comments, reformatted requirement tables, and regenerated TOC.	0.3.1
10/19/2001	Karl Gallagher	Revised to correct defects of formal review.	0.4
10/25/2001	Karl Gallagher	Minor revisions	0.4.1
10/28/2001	Karl Gallagher	Reformatting	0.5
11/04/2001	Karl Gallagher	ARB Corrections	0.6
11/04/2001	Michael J. Klug	Baselined for LCO	1.0
11/11/2001	Michael J. Klug	Mods per initial traceability matrix.	1.1
11/11/2001	Michael J. Klug	? Added priorities to R18, R38, R39, R35, R36, R37, R9, R31, R32, and R41. ? Added risk to evolutionary requirements. ? Removed “simultaneous” from R22 and R23. ? Removed R50, “Risk Tool vs. DCPT”, in favor of R30.	1.2
11/15/2001	Karl Gallagher	Updated to incorporate changes from 11/14/2001 client meeting, incorporated OCD references.	1.3
11/19/2001	Karl Gallagher	Corrections from 11/18/2001 inspection	1.3.1
11/26/2001	Michael J. Klug	? Added more OCD references after OCD peer review. ? Moved R57 and R58 to section 2.3, Deployment Requirements. ? Removed R1 and R2 because they are not testable.	1.4
11/28/2001	Michael J. Klug	Minor updates to references.	1.5
12/01/2001	Michael J. Klug	? Reduced risk for R14 to low from high since decision in design was made concerning how much data is going to be kept.	1.6

12/6/2001	Karl Gallagher	Edited R30 to reflect LCA ARB recommendation.	1.7
12/8/2001	Michael J. Klug	Baselined for LCA.	2.0
01/27/2002	Michael J. Klug	? Post-LCA updates. ? New team member updates.	2.1
02/03/2002	Michael J. Klug	? Added version numbers for Apache (v1.3), Java (v1.2), Tomcat (v4.0), and MySQL (v3.23). ? Added language requirement (R100). ? Added requirement for Java coding standard (R101). ? Added GUI color scheme requirement (R102). ? Added “RLCA Change Summary” section.	2.2
02/04/2002	Michael J. Klug	Changed “RLCA Change Summary” to “Change Summary”.	2.3
02/10/2002	Michael J. Klug	Changed system maintainer to Paul Sitko from Jungwon Park.	2.4
02/10/2002	Michael J. Klug	Edited to incorporate changes to OCD.	2.5
02/12/2002	Michael J. Klug	Incorporated comments from IV&V review.	2.6
02/14/2002	Michael J. Klug	Baselined for RLCA.	3.0

List of Figures

No figures in this version.

1 Introduction

The section covers the purpose of the DART System and Software Requirements Definition document as well as all the references used in the preparation of this document.

1.1 Purpose of the System and Software Requirements Definition Document

The purpose of the system and software requirements definition (SSRD) is to describe to the system stakeholders the Distributed Assessment of Risks Tool (DART) concept with respect to general technology considerations, including the project requirements, capability requirements, system interface requirements, level of service requirements and evolution requirements of the Distributed Assessment of Risks Tool and to confirm the stakeholders' concurrence on essentials.

The intended audience of this document is the system domain expert and the implementers. It forms a bridge between these two groups. The proposed system is envisioned to function in specific ways to satisfy the needs of the stakeholders as described in OCD 2.2.

References for each requirement refer to the Easy WinWin Negotiation Results and the Operational Concept Description. Requirement references are prefixed with EWW or OCD to indicate their source.

1.2 References

- ? Operational Concept Description v3.0
- ? System and Software Architecture Description v3.0
- ? Life Cycle Plan v3.0
- ? MBASE Guidelines v2.3.6c
- ? B.W. Boehm, "Software Risk Management: Principles and Practices", IEEE, January 1991, pp.32-41.
- ? USC Center for Software Engineering - URL: <http://sunset.usc.edu>
- ? EPG Web Resources – URL: <http://sunset.usc.edu/research/MBASE/EPG>
- ? Easy WinWin Negotiation Results
- ? Easy WinWin Sessions: 09/25/01, 09/27/01
- ? Client Meetings: 09/21/01, 09/25/01, 09/27/01, 10/22/01, 10/31/01, 11/12/01, 11/14/01, 11/30/01, 12/03/01, 01/24/02, 02/14/02
- o Team Meetings: 09/18/01, 09/21/01, 09/23/01, 09/25/01, 09/27/01, 09/30/01, 10/03/01, 10/07/01, 10/11/01, 10/14/01, 10/18/01, 10/21/01, 10/25/01, 10/28/01, 10/30/01, 11/04/01, 11/08/01, 11/11/01, 11/12/01, 11/15/01, 11/18/01, 11/27/01, 11/29/01, 12/02/01, 12/03/01, 01/10/02, 01/17/02, 01/24/02, 01/27/02, 01/31/02, 02/07/02, 02/10/02, 02/14/02, 02/17/02

1.3 Change Summary

The changes made to this document were very minor in order to capture more details with respect to tool version numbers, coding languages, and the color scheme for the GUI. Updates were also made to incorporate comments from LCA which mainly dealt with which requirements belonged in which sections. No major changes were identified by the customer as far as the list of capabilities goes.

Table 1 - Change Summary

Change Description	Rationale	Sections Affected	
		Here	Elsewhere
Added language requirement, R100, and language standard, R101.	Needed to choose a language to start development that corresponded with the skills of the team and capabilities need for the tool.	? 2.2 Development Requirements	? FRD 2.2.1 Operational Concept Satisfaction ? FRD 2.2.2 Project Requirements Satisfaction
Added R102, "User Interface Color Scheme".	Needed to choose a color scheme and basic layout for the tool in order to start building the GUI screens.	? 4.1.1 Graphical User Interface Standards	? FRD 2.2.1 Operational Concept Satisfaction ? FRD 2.2.4 Interface Requirements Satisfaction

2 Project Requirements

The following sections describe the project requirements:

2.1 Budget and Schedule

R18

Title	No Expense
Description	The risk tool shall not include expensive COTS items or other infrastructure.
	M No money will be spent.
	A Team will write software, use open source tools, or use tools and facilities available at no cost.
	R Program constraint.
	S Budget
Reference	EWV W30 OCD PG-02
Priority	High
Risk	Low

R38

Title	Implementation Time
Description	The system must have the core capabilities by the end of the CS 577 class schedule. (12 weeks in fall, 12 weeks in spring).
	M System is delivered on 05/03/02.
	A It is going to be realized by following the life cycle plan of this system
	R Developers (students) will not be available after that time, therefore none of the organizational goals can be fulfilled
	S Schedule
Reference	EWV W32, W31 OCD PG-01
Priority	High
Risk	Medium

2.2 Development Requirements

R55

Title	Test Lab
Description	CSE shall provide a lab to test distributed capabilities. This lab will include the capability to test WAN, LAN, and Internet connectivity.
	M Team will have access to lab.
	A CSE has labs available.
	R Needed for test program.
	S Test program.
Reference	OCD PG-01
Priority	High
Risk	Low

R65

Title	Test PCs
Description	CSE will provide adequate PCs, capable of running Internet Explorer v5.5, to support user test cases if the team cannot supply them.
	M Team will have access to PCs.
	A CSE has PCs available.
	R Needed for test program.
	S Test program.
Reference	OCD PG-01
Priority	High
Risk	Low

R39

Title	Currently Available Tools
Description	Development tools will be only those supported by existing CSE facilities.
	M No new tools will be procured.
	A Team will use available tools.
	R Program constraint.
	S Budget
Reference	EWV W30
	OCD PG-01, PG-02
Priority	High
Risk	Low

R63

Title	Tomcat Software
Description	CSE shall provide a UNIX workstation capable of running Tomcat v4.0.
	M Team will have access to server.
	A CSE has servers available.
	R Needed for development.
	S Development
Reference	OCD PG-02
Priority	High
Risk	Low

R64

Title	Database Software
Description	CSE shall provide a UNIX workstation capable of running MySQL v3.23.
	M Team will have access to server.
	A CSE has servers available.
	R Needed for development.
	S Development
Reference	OCD PG-02
Priority	High
Risk	Low

R100

Title	Development Language
Description	Development of the system shall be done using MySQL, Java, and HTML.
	M Team will develop the system in Java, MySQL, and HTML.
	A Java is freely licensed.
	R Needed for development.
	S Development
Reference	OCD PG-02
Priority	High
Risk	Low

R101

Title	Java Coding Standard
Description	All Java code shall comply with the Java coding standard as defined in Appendix A.
	M Team will develop Java in compliance with the attached coding standard.
	A The Java coding standard is small.
	R Needed for development.
	S Development
Reference	OCD PG-02
Priority	Medium
Risk	Low

2.3 Deployment Requirements

R56

Title	Deployment Platform
Description	The CSE shall provide a fully functional, operational and networked platform ready for the installation of the system.
	M Team will have access to platform.
	A CSE has computers available.
	R Needed for deployment.
	S Deployment
Reference	OCD PG-02
Priority	High
Risk	Low

R66

Title	User Guide Deployment
Description	The system shall be deployed along with user guide.
	M Users will have access to user guide.
	A Copying file.
	R Needed for deployment.
	S Deployment
Reference	EWV W8 OCD LS-01
Priority	High
Risk	Low

R58

Title	Installation Guide
Description	An installation manual will be provided to assist the administrator in installing, maintaining and uninstalling the system.
Priority	High
Proposed Activity	Generate an installation guide, either as part of the user guide or as a stand-alone document.
Pre-condition	Tool is completed on schedule and ready to be deployed.
Post-condition	Administrator uses guide to support installation.
Reference	OCD LS-01
Risk	Low

2.4 Transition Requirements

R57

Title	Administrator Training
Description	The CSE shall familiarize the system administrator with the risk tool.
	M Administrator will begin support.
	A Team available to train CSE.
	R Needed for deployment.
	S Deployment
Reference	OCD LS-01
Priority	High
Risk	Low

2.5 Support Environment Requirements

An installation manual will be provided to assist the administrator in installing, maintaining and uninstalling the system.

R44

Title	Administrator Staffing
Description	CSE shall supply staff necessary to administer and maintain the system, including installation and uninstallation.
Priority	High
Proposed Activity	Have Paul Sitko be the administrator for the risk tool.
Pre-condition	Tool is completed on schedule and is deployed for use.
Post-condition	Paul Sitko maintains the system for users.
Reference	OCD PG-02
Risk	Low

R40

Title	Platform Support
Description	The system shall rely on the system administrators for back ups and a running system.
Priority	High
Proposed Activity	Rely on CSE system administrators for backups of the risk tool and any data associated with it for projects.
Pre-condition	Tool is completed on schedule and deployed on the systems used by CSE.
Post-condition	Backups are done of the tool and its data at appropriate intervals to assure minimal loss of data if a system crash occurs..
Reference	OCD PG-02
Risk	Low

3 Capability Requirements

This section describes the capability requirements of the proposed system. All capability requirements must be specified in such a way that they can be implemented and tested.

3.1 System Definition

The Distributed Assessment of Risks Tool will allow developers to list and track risks affecting their project. This data will be made available to other users for viewing which will allow all stakeholders to track the progress of risks over the course of development. The following objectives are meant to be achieved: tracking of risks and monitoring of risk reduction progress over time. See OCD 4 for more details.

3.2 System Requirements

For an overall use case diagram, refer to OCD 4.3

R03

Title	Risk Data
Description	Each risk record shall contain the following data: <ol style="list-style-type: none"> name of risk item (text) P(UO) (probability of unsatisfactory outcome) (number) L(UO) (loss if unsatisfactory outcome occurs) (number) RE (risk exposure) (calculated number) description (text) mitigation plan (text) notes (text)
Priority	High
Proposed Activity	Records will contain this data.
Pre-condition	Data is created.
Post-condition	Data is stored.
Reference	EWV W2, W6 OCD SC-01, PA-08, OS-04, PE-02
Risk	Low

R42

Title	Risk Report
Description	DART shall allow generation of a report displaying the data in R3 for an individual risk.
Priority	Medium
Proposed Activity	Displays data in records.
Pre-condition	User request report
Post-condition	Report is displayed
Reference	EWV W2, W6 OCD SC-02, PA-02, OS-07
Risk	Low

R04

Title	Distributed Viewing
Description	The risk tool shall support viewing risk reports from multiple locations.
Priority	High
Proposed Activity	Data will be accessed remotely.
Pre-condition	Remote user requests data.
Post-condition	Data is displayed at user's location
Reference	EWV W4 OCD SC-02, SC-04, PA -07, PA -09, OS-05
Risk	Medium

R05

Title	Rating Scales
Description	Risk P(UO) and L(UO) ratings shall be measured on a whole number scale of 1-10, 10 being the worst.
Priority	Medium
Proposed Activity	Risks will be rated on scale.
Pre-condition	Users assess risk values.
Post-condition	Risk ratings stored.
Reference	EWV W3 OCD SC-01, PA-04, OS-03
Risk	Low

R07

Title	Voting Interface
Description	Each vote shall contain the following data: <ul style="list-style-type: none"> a. Voter (user) name (text) b. Voter (user) role (text) c. P(UO) value (number) d. L(UO) value (number) e. Rationale (text)
Priority	High
Proposed Activity	Provide interface for voting on risk values.
Pre-condition	User initiates risk voting.
Post-condition	Users have access to voting interface.
Reference	EWV W1, W5 OCD SC-01, PA-04, OS-03, PE-01, PE-02
Risk	High

R43

Title	Collect Votes
Description	DART shall collect one or more votes from users to generate risk assessment values.
Priority	High
Proposed Activity	Tool generates risk values from votes.
Pre-condition	Users have completed voting for assessment period.
Post-condition	Risk values calculated.
Reference	EWV W1, W5 OCD SC-01, PA-03, PA-04, PA-05, OS-03
Risk	Medium

R08

Title	Average Votes
Description	The P(UO) and L(UO) ratings for a risk (as described in requirement R3 b & c) shall be determined by the mean of the votes for a single assessment period rounded to the nearest whole number.
Priority	High
Proposed Activity	Calculate risk rating by averaging votes.
Pre-condition	Votes submitted
Post-condition	Risk P(UO) and L(UO) saved.
Reference	EWV W1 OCD SC-01, PA-04, PA-05, OS-03
Risk	Low

R33

Title	Calculate Risk Exposure
Description	The RE ratings for a risk shall be determined by multiplying the P(UO) and L(UO) ratings.
Priority	High
Proposed Activity	Tool generates RE from P(UO) and L(UO) ratings.
Pre-condition	P(UO) and L(UO) values generated.
Post-condition	RE value saved.
Reference	EWV W9 OCD SC-01
Risk	Low

R11

Title	Display Risk Exposure
Description	Reports (other than exported files (R17)) shall display risks with their risk exposure (RE) value for the current assessment period.
Priority	High
Proposed Activity	Output of calculated RE.
Pre-condition	Risk report requested by user.
Post-condition	Report displayed with RE value.
Reference	EWV W9 OCD SC-02, PA-06, PA-07, OS-05
Risk	Low

R12

Title	RE Sorted
Description	Risks shall be sorted in descending order in reports by their risk exposure value.
Priority	High
Proposed Activity	Sort risks by RE in reports
Pre-condition	Multiple-risk report requested.
Post-condition	Report displayed in proper order.
Reference	EWV W10 OCD SC-02, PA-06, PA-07, OS-05
Risk	Low

R13

Title	Complete Risk Report
Description	DART shall allow generation of a list of all risks. Data displayed shall include: <ul style="list-style-type: none"> a. Risk name b. Rank c. P(UO) d. L(UO) e. RE f. Previous assessment period's RE
Priority	Medium
Proposed Activity	Generate list of all risks.
Pre-condition	User requests list.
Post-condition	List displayed.
Reference	EWW W12 OCD SC-02, PA-06, PA-07, OS-05
Risk	Medium

R14

Title	Risk History
Description	The risk tool shall retain risk data listed in R3 for all previous assessment periods for each risk
Priority	Medium
Proposed Activity	Store history data
Pre-condition	New data added to risk.
Post-condition	Old data stored in history.
Reference	EWW W11, W19 OCD SC-04, PA-09
Risk	Low

R16

Title	History Report
Description	The risk tool shall allow generation of a display of risk exposure vs. time for a risk.
Priority	Medium
Proposed Activity	Display history data
Pre-condition	User requests history report.
Post-condition	History data displayed.
Reference	EWW W19 OCD SC-04, PA-09
Risk	Medium

4 System Interface Requirements

This section describes the interfaces through which the proposed system would interact with external systems including hardware, other software and human users.

4.1 User Interface Requirements

R17

Title	CSV Output
Description	The risk tool shall output a CSV file containing the risk history data for all risks.
Priority	High
Proposed Activity	Output risk data to CSV file.
Pre-condition	User requests file.
Post-condition	Text file in CSV format generated.
Reference	EWV W28 OCD SC-03, PA-10, OS-06, PE-05
Risk	High

4.1.1 Graphical User Interface Standards

R30

Title	User Interface
Description	User interface shall meet user needs.
Priority	High
Proposed Activity	Build the tool so that users see it as useful and not overbearing
Pre-condition	Initial client and user feedback so that the tool can be made more useable. Users must have at least Internet Explorer v5.5 and a 1024 X 768 pixel display.
Post-condition	Tool is useable by users.
Reference	EWV W18, W23 OCD LS-01
Risk	High

R102

Title	User Interface Color Scheme
Description	User interface color scheme shall follow the style sheet of the team website for CS577b.
Priority	Medium
Proposed Activity	Build the tool using the style sheet set up for the CS577b team website.
Pre-condition	Users must have at least Internet Explorer v5.5 and a 1024 X 768 pixel display.
Post-condition	Tool color scheme matches style sheet.
Reference	EWB W18, W23 OCD LS-01
Risk	Low

4.1.2 Command-Line Interface Requirements

None identified at this time.

4.1.3 Diagnostics Requirements

None identified at this time.

4.2 Hardware Interface Requirements

R59

Title	Hardware support.
Description	CSE shall provide a UNIX workstation that has a connection to the Internet
	M Team will have access to workstation.
	A CSE has workstations available.
	R Needed for development.
	S Development
Reference	OCD PG-02
Priority	High
Risk	Low

4.3 Communications Interface Requirements

R60

Title	Server
Description	CSE shall provide a UNIX workstation that has the capability to act as a web server for the Internet.
	M Team will have access to server.
	A CSE has servers available.
	R Needed for development.
	S Development
Reference	OCD PG-02
Priority	High
Risk	Low

4.4 Other Software Interface Requirements

R61

Title	Operating System
Description	CSE shall provide a UNIX workstation running at least Solaris 8.
	M Team will have access to workstation.
	A CSE has workstations available.
	R Needed for development.
	S Development
Reference	OCD PG-02
Priority	High
Risk	Low

R62

Title	Server Software
Description	CSE shall provide a UNIX workstation capable of running the Apache Web Server v1.3. M Team will have access to server. A CSE has servers available. R Needed for development. S Development
Reference	OCD PG-02
Priority	High
Risk	Low

5 Level of Service Requirements

R35

Title	Reliability
Description	User shall complete session without crash >90% of sessions.
	M 100 test sessions will provide statistical confidence.
	A Basic reliability should be available with first iteration.
	R Necessary for user acceptance.
	S Usability.
Reference	EWV W25 OCD LS-04
Priority	High
Risk	Low

R36

Title	Risk Exposure Calculation Accuracy
Description	RE values must be calculated accurately.
	M Values will be hand checked against inputs.
	A Simple multiplication.
	R Necessary for accurate risk description.
	S Reliability.
Reference	EWV W3, W9 OCD LS-02
Priority	Medium
Risk	Low

R37

Title	Risk Value Display Accuracy
Description	Reports must accurately display risk values in database.
	M Values displayed will be checked against inputs.
	A Basic usability should be available with first iteration.
	R Necessary for reports to be usable.
	S Reliability.
Reference	OCD LS-03
Priority	Medium
Risk	Low

R09

Title	User's Guide
Description	A user's guide shall be provided to help make the system easy to use.
	M File will be included in distribution or made available on network.
	A HTML document to provide access while on line.
	R Provides ease of use to users.
	S Usability.
Reference	EW W8 OCD LS-01
Priority	Medium
Risk	Low

R31

Title	Number of Users
Description	The system should be able to support 15 users.
	M Up to 15 users should be able to use the system for a single project.
	A TBD
	R Good performance encourages usage of tool, hence none of the users get frustrated
	S Scalability, Performance
Reference	EW W17 OCD LS-05
Priority	Medium
Risk	Low

R32

Title	Amount of Data
Description	The system should be able to support up to 20 risks.
	M System handles 20 risks
	A Using a database
	R Good performance encourages usage of tool, hence none of the users get frustrated
	S Scalability, Performance
Reference	EW W17 OCD LS-06
Priority	High
Risk	Low

R41

Title	Maximum Time Steps
Description	The system should be able to support up to 40 assessment periods. M System handles 40 assessment periods A Using a database R Good performance encourages usage of tool, hence none of the users get frustrated S Scalability, Performance
Reference	EWV W17 OCD LS-07
Priority	Medium
Risk	Low

6 Evolution Requirements

6.1 Capability Evolution Requirements

R19

Title	Top-N Report
Description	DART shall be able to generate a report listing the top “n” risks, where “n” is user-selectable.
Priority	Medium
Proposed Activity	Generate top-n list.
Pre-condition	User requests report and specifies “n”.
Post-condition	Report is displayed.
Reference	EWV W13 OCD SC-02, PA-07, OS-05
Risk	Low

R23

Title	Distributed Voting
Description	Risk tool will support voting on risks by multiple users/locations.
Priority	High
Proposed Activity	Voting data submitted from multiple remote locations.
Pre-condition	Users sign on to tool to vote.
Post-condition	Votes successfully entered.
Reference	EWV W20 OCD SC-01
Risk	High

R24

Title	User Privileges
Description	Designated user will be able to specify other users’ access privileges.
Priority	Medium
Proposed Activity	Provide security through restricting user privileges.
Pre-condition	User begins log-on to tool.
Post-condition	Tool verifies user’s privileges.
Reference	EWV W21, W22, W26 OCD SC-01, SC-02, SC-05, SC-06, PA-01, PA-11, OS-01, OS-02, PE-01, PE-06
Risk	High

R27

Title	Multiple Project Support
Description	The risk tool will hold risks for multiple projects.
Priority	Medium
Proposed Activity	Provide single interface to multiple projects.
Pre-condition	User signs on to tool.
Post-condition	Tool allows selection of any project in database.
Reference	EWV W36 OCD SC-05, PA-11, OS-02, PE-06, PE-07
Risk	Low

R49

Title	Risk Appearance Tracking
Description	The risk tool will track the number of times a risk has been on the top-n risk list and display it in reports.
Priority	Low
Proposed Activity	Whenever a risk appears on the top-n risk list, a counter for the risk should be kept and displayed along with the risk to show how many times the risk appeared.
Pre-condition	Risk appears on the top-n risk list.
Post-condition	Number of times the risk appears on the top-n risk list is displayed to the user whenever the risk data is viewed.
Reference	EWV W14 OCD SC-02, PA-06, PA-07, OS-05
Risk	Medium

6.2 Interface Evolution Requirements

R47

Title	CSV Input
Description	The risk tool shall allow input from a CSV file containing the applicable data for all risks.
Priority	Medium
Proposed Activity	Input risk data from a CSV file.
Pre-condition	User has a validly formatted CSV input file.
Post-condition	Risk data is updated.
Reference	EWV W27 OCD SC-03, PA-10, OS-06, PE-05
Risk	High

6.3 Technology Evolution Requirements

None have been identified at this time.

6.4 Environment and Workload Evolution Requirements

None have been identified at this time.

6.5 Level of Service Evolution Requirements

None have been identified at this time.

7 Common Definition Language

Administrator

The person designated to maintain the system and support operations such as creating new projects and other management of the tool. The administrator has access to operations beyond that of other users

Center for Software Engineering (CSE)

The organization sponsoring the development of the system

User

A general term for someone who uses the system to assess or view risks for a project.

Risk

A potential problem with a development project possibly resulting in an unsatisfactory outcome.

RE (Risk Exposure)

The magnitude of a risk's severity, where the exposure equals the probability of the loss times the potential loss amount. A common measure to compare risks by.

P(UO)

The probability of a risk resulting in an unsatisfactory outcome.

L(UO)

The potential loss if an unsatisfactory outcome occurs.

Current Assessment Period

The time when the last vote on the risk was closed.

Previous Assessment Period

The time when the second to last vote on the risk was closed. If the current risk assessment period is the first assessment of the risk, references to previous assessment period are left blank.

8 Appendix

A. Standards Specifications

The Java coding standard can be found at: <http://java.sun.com/docs/codeconv/>.

B. Interface Specifications

None have been identified at this time.