

Taxonomy of Software Risks: Overview

A. Product Engineering	B. Development Environment	C. Program Constraints
<ol style="list-style-type: none"> 1. Requirements <ol style="list-style-type: none"> a Stability b Completeness c Clarity d Validity e Feasibility f Precedent g Scale 2. Design <ol style="list-style-type: none"> a Functionality b Difficulty c Interfaces d Performance e Testability f Hardware g Constraints h Non-Developmental Software 3. Code and Unit Test <ol style="list-style-type: none"> a Feasibility b Testing c Coding/Implementation 4. Integration and Test <ol style="list-style-type: none"> a Environment b Product c System 5. Engineering Specialties <ol style="list-style-type: none"> a Maintainability b Reliability c Safety d Security e Human Factors f Specifications 	<ol style="list-style-type: none"> 1. Development Process <ol style="list-style-type: none"> a Formality b Suitability c Process Control d Familiarity e Product Control 2. Development System <ol style="list-style-type: none"> a Capacity b Suitability c Usability d Familiarity e Reliability f System Support g Deliverability 3. Management Process <ol style="list-style-type: none"> a Planning b Project Organization* c Management d Experience e Program Interfaces 4. Management Methods <ol style="list-style-type: none"> a Monitoring b Personnel Management* c Quality Assurance d Configuration Management 5. Work Environment <ol style="list-style-type: none"> a Quality Attitude* b Cooperation* c Communication d Morale* 	<ol style="list-style-type: none"> 1. Resources <ol style="list-style-type: none"> a Schedule b Staff c Budget d Facilities 2. Contract <ol style="list-style-type: none"> a Type of Contract* b Restrictions c Dependencies 3. Program Interfaces <ol style="list-style-type: none"> a Customer* b Associate c Contractors d Subcontractors* e Prime Contractor* f Corporate g Management h Vendors i Politics*

* Areas in which risks are not expected to be encountered prior to contract award

Source:

<http://www.sei.cmu.edu/about/website/indexes/siteIndex/siteIndexTRnum.html>

SEI Technical Reports (by Number)

[CMU/SEI-96-TR-012](#) Software Risk Management