

## Implementation Methodology

Enterra Inc. is an international software development company, with perhaps the most talented and educated IT programming staff of any company its size. We are proud of the position our employees have reached, and they are equally proud to be members of the Enterra team.

Everyone at Enterra has an unparalleled obligation to our clients. We conform to and with IEEE Std. 830-1998 (Revision of IEEE Std 830-1993) IEEE Recommended Practice for Software Requirements Specifications and IEEE Std. 730-1998 (Revision of IEEE Std 730-1989) IEEE Standard for Software Quality Assurance Plans. Quality and value are woven into the fabric of all our products and support.

Enterra means quality and reliability; not just a name, but real people you can trust.

**Project processes realization model has been developed on the basis of CMM Level 2 key areas description.** According to CMM, the model does not touch processes referring to development – they have been introduced by a single process called “Development”. The following approach provides for use of various development methodologies (XP, RUP etc.) within frameworks of specific projects at the same time remaining in compliance with the work processes schema of Enterra.

Primary work processes of Enterra, Inc are interrelated. Products of “Contract Development” constitute the source information for “Project Implementation”. Therefore, quality of deliverables received on completion of the contract development process determines quality of a project implementation. In turn, the quality of a finished product (work, service) is designed to satisfy Customer’s expectations, as stated in the source. After completion modifications and maintenance can be handled as a new project. Contract Development Process is considered as a way of “fixation” of a Customer’s requirements in a documented form as a set of deliverables. Customer meeting protocols and a set of deliverables comprised of a contract (Contract), proposal (Proposal), risk list (RL), list of allocated system requirements (ASR) and statement of work (SOW) are the results of the process.

Project implementation process shall be considered as interrelation of six processes:

- Requirement Management,
- Project Planning,
- Development,
- Project Tracking and Oversight,
- Quality Assurance; and,
- Configuration Management.

Project realization processes at Enterra, Inc are secured by the Project Management Standard. The Project Management Standard has 3-tire architecture: most general regulations are introduced by the Project Management Concept. Hereby the operational standard structure for project management is documented also.

The second level of the Standard is the Project Management Methodology describing project management procedures.

The third level – the Project Management Operational Standard disclosing and refining project management procedures thereby assigning performance instructions to project key roles.

Enterra uses only top-notch software development and design tools providing for high quality and optimal product costs. These tools are constantly being updated and expanded as new ones are available.

QA and Testing Departments have been expanded for improve software development assurance and optimized finished product quality. The purpose of Software Quality Assurance is to provide management with appropriate visibility into the process being used by the software project and of the products being built. Software Quality Assurance involves reviewing and auditing the software products and activities to verify that they comply with the applicable procedures and standards and providing the software project and other appropriate managers with the results of these reviews and audits.

Software Quality Assurance at Enterra, Inc. is oriented to 'prevention'. It involves the entire process being used by the software project. Prevention is monitoring and improving the process, making sure any agreed-upon standards and procedures are followed, and ensuring problems are found and dealt with.

A unique site is created for each project to provide for maximum customer convenience. It is created for holding and repositoring latest documentation providing access to the tracking system, maintaining the current project plan, reports and etc. Knowledge of design patterns and anti-patterns is one of the basic requirements to developers in our company. This is important in contemporary software product development where standard solutions are allowed for implementation.

Sincerely,

Enterra Team