



ISO/IEC 29110

An Introduction

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Outline of this session I

- 1 Background to ISO 29110
- 2 Growing Support for ISO29110
- 3 Comparision with CMMI
- 4 Project Management Processes
- 5 Software Implementation Processes
- 6 Oncloud Supporting Software

Human nature

- Distractable
- Forgetful
- Mind fills in the holes

<https://www.youtube.com/watch?v=xcU0TrlpSuI>

Consequence of Human Fragility



How the customer explained it



How the project leader understood it



How the analyst designed it



How the programmer wrote it



What the beta testers received



How the business consultant described it



How the project was documented



What operations installed



How the customer was billed



How it was supported

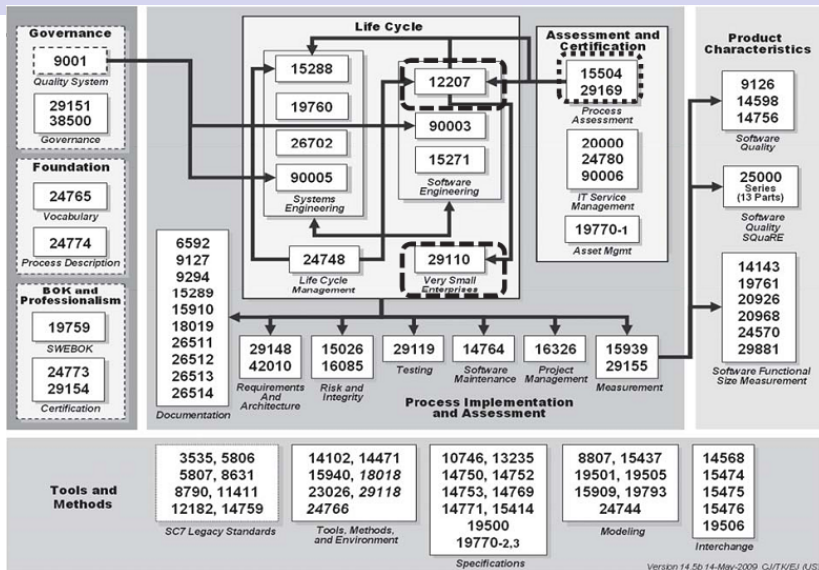


What marketing advertised



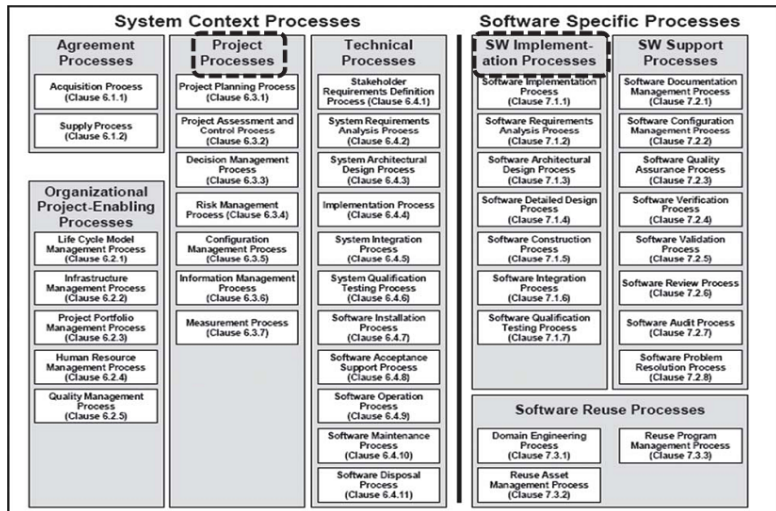
What the customer really needed

ISO Standards



Version 14.5b 14-May-2009 GJ/T/KEJ (US)

ISO Standards for Lifecycle Management



Growing support for ISO 29110

Countries Teaching ISO/IEC 29110

- Argentina



- Belgium



- Brazil



- Canada



- Czech Republic



- Finland



- Germany



- Haiti



- Ireland



- Japan



- Mexico



- Peru



- Thailand



- Uruguay



Support for ISO29110





http://www.mict.go.th/assets/portals/1/files/download/580820_eBook_ISO29110_MICT.pdf

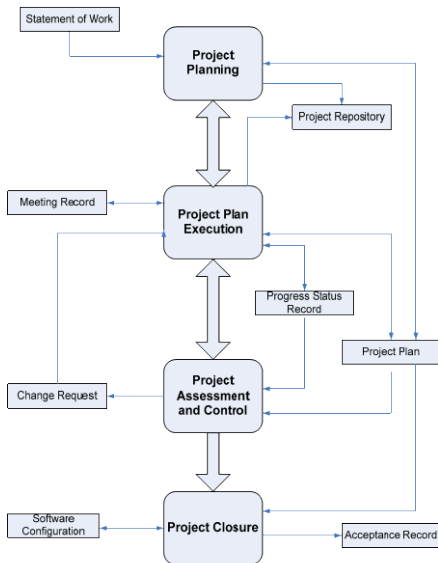
CMMI vs ISO29110 Project Management

CMMI	ISO 29110
Project planning	Project planning
Project monitoring and control	Project plan execution Project assessment and control project closure
Requirement management	Change requests
Version Control Strategy	Configuration management
	Configuration
Process and product quality assurance	Software quality assurance Implement validation and review task performed

CMMI Engineering vs ISO29110 Software Implementation

CMMI	ISO 29110
Project planning	Software implementation
Requirements management	Software requirements analysis
Requirement development	
Technical solutions	Software architectural and detailed design
	Software construction
Requirements management	Product delivery
	Traceability to requirements
Verification	Software integration and tests
Validation	

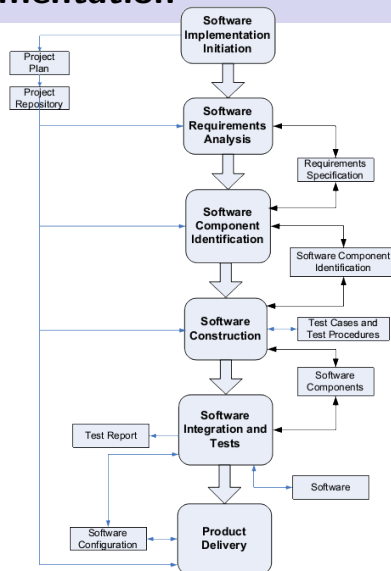
Project Management



Project Management

- PM Input Products
 - Statement of Work
 - Software Configuration
 - Change Requests
- PM Internal Products
 - Change Requests
 - Meeting Records
 - Progress Status Record
- PM Output Products
 - Project Plan
 - Acceptance Record
 - Project Repository
 - Meeting Record
 - Software Configuration


Software Implementation



Software Implementation

- SI Output Documents
 - Requirements Specification
 - Software Component Identification
 - Test Cases and Test Procedures
 - Software Components
 - Software Configuration
 - Software
 - Test Reports
 - Product Delivery
 - Acceptance Record
- SI Internal Documents
 - Change Request
 - Meeting Record
 - Progress Status Record

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Overview

New subproject [Close](#)



Personnel Data Management System for Payap University. Depending on user role, this application will allow authorized users to search through a flexible database of personnel portfolios. This data will link together all departments that maintain information on staff to create employee directories, government reports and evaluations. The administrative purpose of this program is to generate an overview of the staffing of individual departments and work units. This project intends to build a central database to link and manage all information held about personnel working at Payap University. This development will directly impact the current operations of HR, Finance, Research and Academic Affairs Office. The project will be designed and executed according to ISO 29110 procedures (see ISO29110 Overview) to ensure proper handling and management of all requirements and information related to this development. The application will be developed, tested and run under the Ruby on Rails framework in order to facilitate the design, implementation and testing of this application.

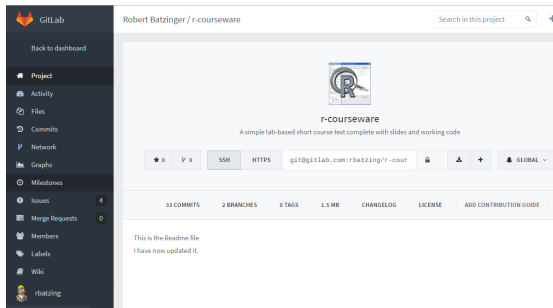
Members

Manager: Kunakorn Katsai, Nakprad Kanteeuwong, Robert Batzinger, Terawat Tirat
Developer: Kunakorn Katsai, Nakprad Kanteeuwong, Robert Batzinger, Terawat Tirat
Reporter: PYU Personnel
Guest: PYU Personnel
Read-only: PYU Personnel

Issue tracking

- Task: 27 open / 28
- Feature: 0 open / 0
- Bug: 0 open / 0
- Support: 0 open / 0

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A 90min seminar to introduce ISO29110 — Edit

1 commit 1 branch 0 releases 1 contributor

Branch: master 29110talk / +

rbatzing Initial commit	Latest commit 42b651b 3 hours ago
LICENSE Initial commit	3 hours ago
README.md Initial commit	3 hours ago

README.md

29110talk

A 90min seminar to introduce ISO29110

Code

Issues 0

Pull requests 0

Wiki

Pulse

Graphs

Settings

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https://github.com/rbatzing/29110talk

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