



**CSC 710 – SOFTWARE ENGINEERING**  
(Prof. Zhanyang Zhang)

**Beat Me GO!**

**Final – Software Control Document**

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# **INTRODUCTION: CHANGE CONTROL FORM**

## **What This Is**

Form for documenting a change someone is requesting be made to a project or to a system, product, or service being delivered by a project.

The forms sections provide space to:

- Describe the change, the reason for it, and what the change would affect in terms of project deliverables and documentation, as well as what resource time would be needed to implement and validate the change.
- And space to track all the change impacts to completion (major implementation tasks and document updates).
- Officially sign off on the change.

## **Why It's Useful**

Projects are often plagued by "scope creep" – changes get made without review, adding to the work of the project, and sometimes delaying the schedule, increasing the costs, or causing late issues to arise. Companies use change control to make sure the impact of any proposed change to the project definition, or specific components of the project (such as hardware or software deliverables, or a business process associated with a service) are thoroughly understood, carefully considered, and formally approved in some fashion. The change control form in this template file shows the type of information the team should get on a proposed change to fully understand its impact.

Change control usually grows more stringent as project progresses, to protect the project against late, disruptive changes.

## **How to Use It**

- Establish a process by which changes will be proposed and reviewed using the change control form. The process should ensure that proposed changes are reviewed frequently enough to keep the project moving.
- The details of each section of the form should be customized for your project types and project deliverables – i.e., for what the output of your projects is, whether product, system, service, etc.
- Provide the form to team members and others who might need to submit a change.
- This form can also be used when you are using contractors or outside firms to do work on your project. In this case that outside party would be required to provide the information relevant to the work they're performing.
- Identify who should be involved in reviewing various types of changes. Document that in simple guidelines.
- After the impacts have been considered, use the bottom portion of the form to document the decision on this change: approved or not, and why. The signature lines at the bottom become the official signoff on that decision.
- File the change forms as important project records.

ChangeRequest#: \_\_\_\_\_

Project: \_\_\_\_\_

**CHANGE REQUEST INITIATION:** Originator: \_\_\_\_\_ Phone#: (\_\_\_\_) \_\_\_\_\_ email: \_\_\_\_\_

Date Submitted: \_\_\_\_/\_\_\_\_/\_\_\_\_ System/Product/Service Name: \_\_\_\_\_ Version Number: \_\_\_\_\_

**CONFIGURATION ITEM:** Software: \_\_\_\_ Firmware: \_\_\_\_ Hardware: \_\_\_\_ Documentation: \_\_\_\_  
Other: \_\_\_\_\_

**CHANGE TYPE:** New Requirement: \_\_\_\_ Requirement Change: \_\_\_\_ Design Change: \_\_\_\_ Other: \_\_\_\_\_

**REASON:** Legal: \_\_\_\_ Market: \_\_\_\_ Performance: \_\_\_\_ Customer Request: \_\_\_\_ Defect: \_\_\_\_ Other: \_\_\_\_\_

**PRIORITY:** Emergency: \_\_\_\_ Urgent: \_\_\_\_ Routine: \_\_\_\_ **Date Required:** \_\_\_\_/\_\_\_\_/\_\_\_\_

**CHANGE DESCRIPTION:** (Detail functional and/or technical information. Use attachment if necessary.)

**Attachments:** Yes / No

**TECHNICAL EVALUATION:** (Use attachment to explain changes, impact on other entities, impact on performance etc.)

Received By: \_\_\_\_\_ Date Received: \_\_\_\_/\_\_\_\_/\_\_\_\_ Assigned To: \_\_\_\_\_ Date Assigned: \_\_\_\_/\_\_\_\_/\_\_\_\_

Type of Software/Hardware/etc. Affected \_\_\_\_\_

Modules/Screens/Tables/Files Affected: \_\_\_\_\_

<b>Documentation Affected:</b>	<b><u>Section #</u></b>	<b><u>Page #</u></b>	<b><u>Date Completed</u></b>	<b><u>Initial</u></b>
Requirements Specification	_____	_____	____/____/____	_____
System Design Specification	_____	_____	____/____/____	_____
System Test Plan	_____	_____	____/____/____	_____
Training Plan	_____	_____	____/____/____	_____
User System Reference Manual	_____	_____	____/____/____	_____
System Maintenance Manual	_____	_____	____/____/____	_____
Other (Specify)	_____	_____	____/____/____	_____

**TIME ESTIMATES to make the change:** (Use attachment if necessary.)

<b><u>Lifecycle Stage</u></b>	<b><u>Est. Time</u></b>	<b><u>Act. Time</u></b>	<b><u>Date Comp.</u></b>	<b><u>Remarks</u></b>
Analysis/Design	_____	_____	____/____/____	_____
Coding/Testing	_____	_____	____/____/____	_____
Acceptance	_____	_____	____/____/____	_____

**Total Hours:** \_\_\_\_\_

**Project Impact Analysis Needed:** Yes / No (If yes, include impact on budget, resources, schedule, risk etc.)

**APPROVALS:** Change Approved: \_\_\_\_ Change Not Approved: \_\_\_\_ Hold (Future Enhancement): \_\_\_\_

1. Signature \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

2. Signature \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

3. Signature \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_