

TcSE and TcE Change Control Integration

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Premium Partners:



Microsoft

What is it?

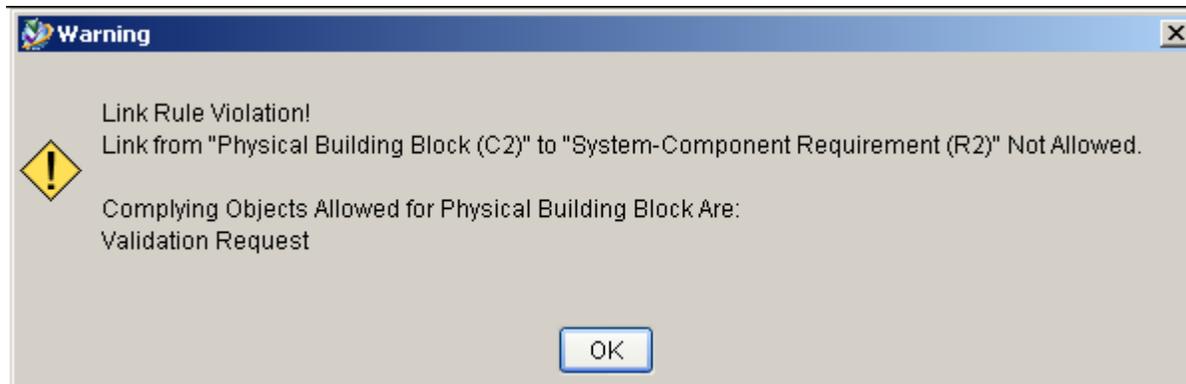
- An "integrated" system that ties both TcSE and TcE together through a process.
 - This allows us to standardize our process.
 - Standardization comes with consistent improvements.

Why are we doing it this way?

- Single method of creating a change against an object within TcSE or TcE.
- Saves time and money on process management.
- Saves time and money on training.

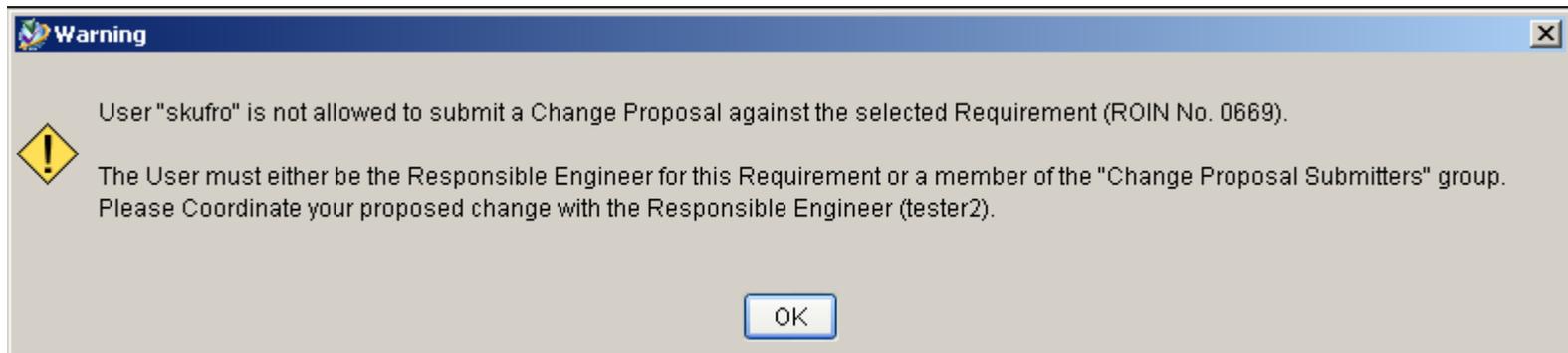
How does it work?

- We have a process map that drives the functionality.
- Activators have been created to enforce linking which provides consistency in TcSE's outputs.



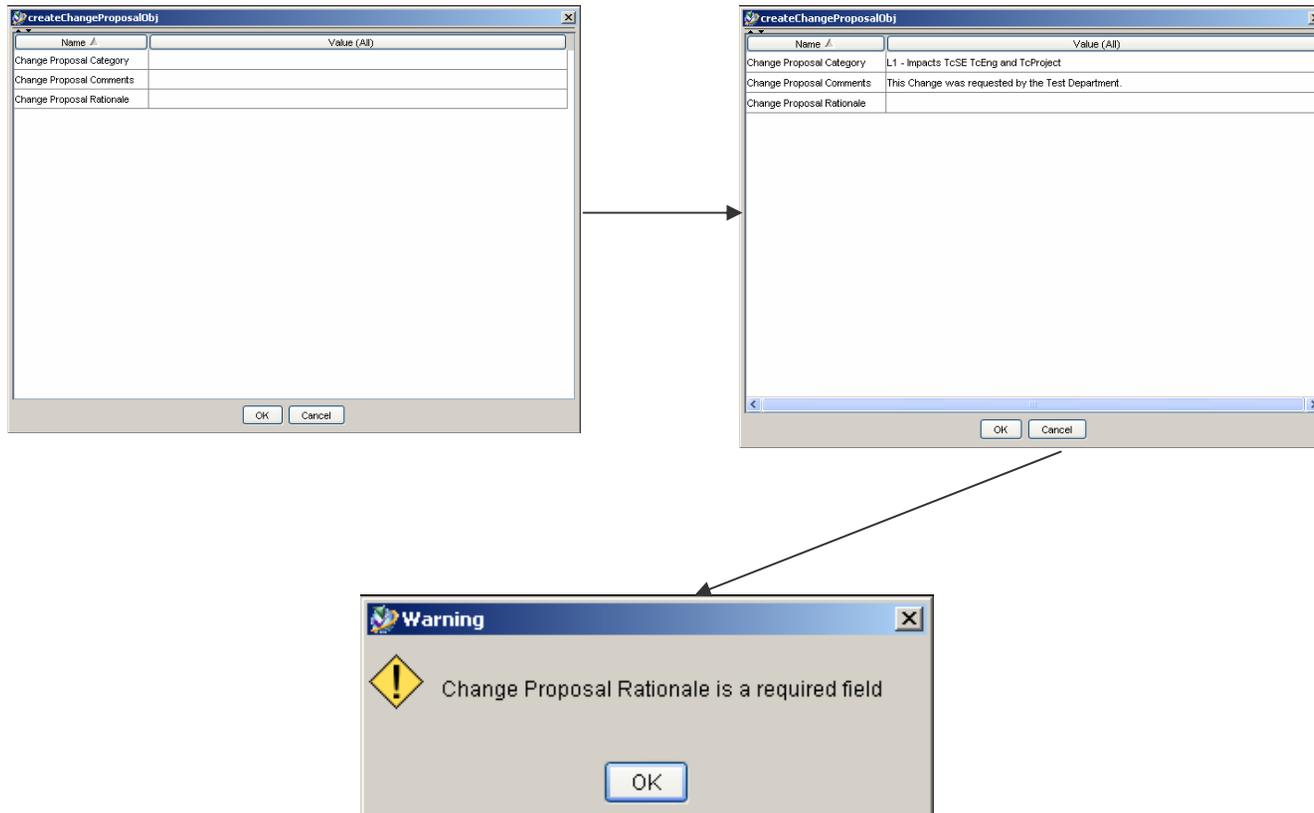
How does it work?

- An activator also enforces privileges with reason.



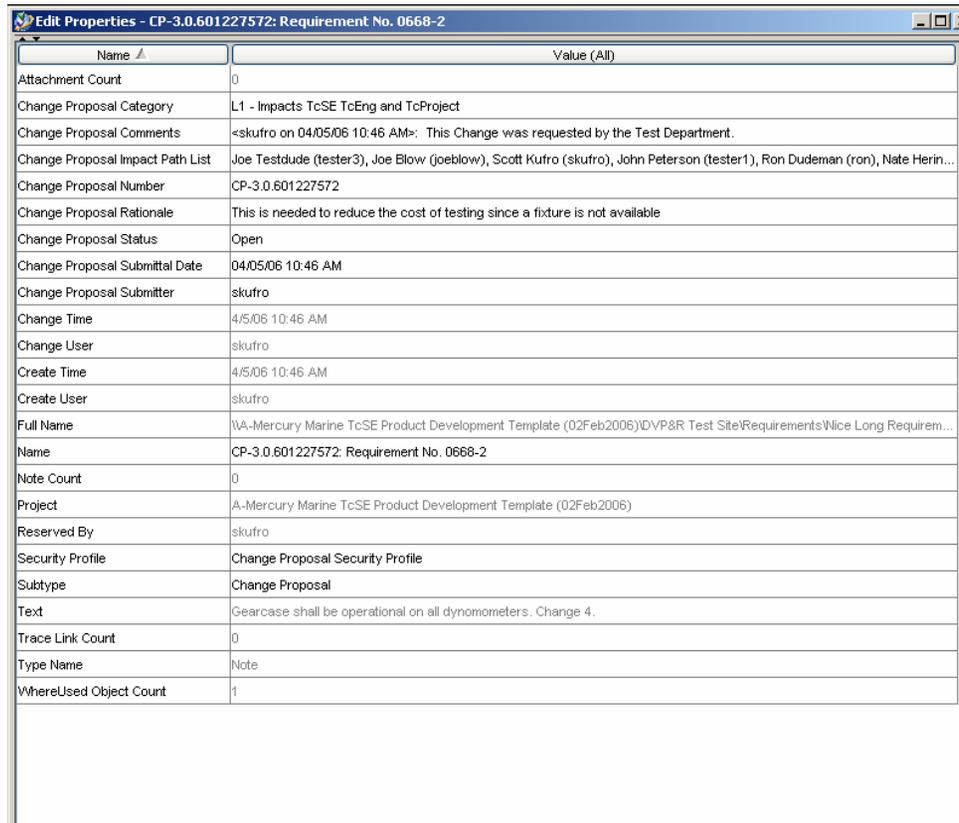
How does it work?

- Mandatory fields must be filled in to proceed with a change proposal.



How does it work?

- After all of the fields are completed correctly, the change proposal form will be complete.

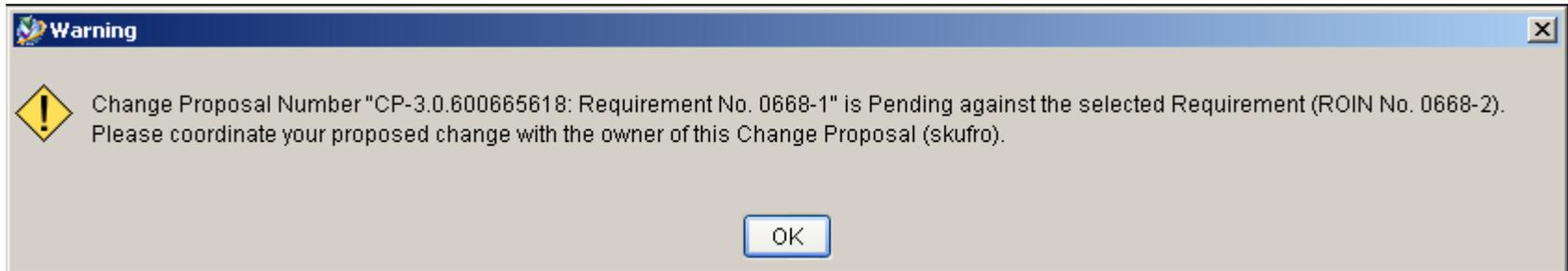


The screenshot shows a window titled "Edit Properties - CP-3.0.601227572: Requirement No. 0668-2". The window contains a table with two columns: "Name" and "Value (All)".

Name	Value (All)
Attachment Count	0
Change Proposal Category	L1 - Impacts TcSE TcEng and TcProject
Change Proposal Comments	<skufro on 04/05/06 10:46 AM>: This Change was requested by the Test Department.
Change Proposal Impact Path List	Joe Testdude (tester3), Joe Blow (joeblow), Scott Kufro (skufro), John Peterson (tester1), Ron Dudeman (ron), Nate Herin...
Change Proposal Number	CP-3.0.601227572
Change Proposal Rationale	This is needed to reduce the cost of testing since a fixture is not available
Change Proposal Status	Open
Change Proposal Submittal Date	04/05/06 10:46 AM
Change Proposal Submitter	skufro
Change Time	4/5/06 10:46 AM
Change User	skufro
Create Time	4/5/06 10:46 AM
Create User	skufro
Full Name	WA-Mercury Marine TcSE Product Development Template (02Feb2006)\DVP&R Test Site\Requirements\Nice Long Requirem...
Name	CP-3.0.601227572: Requirement No. 0668-2
Note Count	0
Project	A-Mercury Marine TcSE Product Development Template (02Feb2006)
Reserved By	skufro
Security Profile	Change Proposal Security Profile
Subtype	Change Proposal
Text	Gearcase shall be operational on all dynamometers. Change 4.
Trace Link Count	0
Type Name	Note
WhereUsed Object Count	1

How does it work?

- Activators have also been used to limit the users to one change per object.



- Required reports are necessary to proceed with the change proposal package.

How does it work?

- A change proposal note shows up once the package has been completed and ready to be routed for approval.

Folders	Text
Nice Long Requirement Name	Gearcase shall be operational on all dynometers. Change 3.
VRa	Proceed with Test ET.C.2 for a duration of 500 hrs.
VRb	Proceed with Test ET.C.2 for a duration of 500 hrs.
VRc	Proceed with Test ET.C.2 for a duration of 500 hrs.
+ R2	5200-5800 RPM for 75-100 HP 5800-6400 RPM for 115 HP

Notebook - Nice Long Requirement Name

Properties Attachments Links Preview Where Used Versions

Name	Text
Meeting Decision	hsdafjkhsadh sadfjjhsadffju asdfuihstfdaui asdfdiuhsad
CP-3.0.600665618: Requirement No. 0668-1	Gearcase shall be operational on all dynometers. Change 3.
CP-3.0.601227572: Requirement No. 0668-2	Gearcase shall be operational on all dynometers. Change 4.



How does it work?

- TcE holds the approval work flow which all users use as the standard approval method.
- We had to eliminate other approval systems in order to help standardize this method.
- Activators have been created to review "Approved" change proposals before replacing it within the TcSE system.

Limitations for development:

- Absolutely no customization to the software used.
- Not able to start a work flow from TcSE so a process was developed to close this loop and enforced by the software's capabilities.

Future State:

- Fully integrated system so the user can initiate a workflow from TcSE to TcE and Vice Versa.

Questions?

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