

Product Engineering: Changes Pending Flag

The *has_change_pending* checkbox is part of the Product Engineering (PE) application and indicates whether an item (Part, CAD Document, or Document) is currently in an active PE change.

- If the item is part of an active PE Change → the checkbox is checked (True)
- If the item is NOT part of an active PE Change → the checkbox is unchecked (False)

This field was designed only for PE workflows.

Behavior When Used with Unified Change Management

With Unified Change Management, when a Change Order reaches the **In Work** state, the *has_change_pending* checkbox is set to true for all affected items. However, if the item is later revised (either manually or through another process), the PE method (*PE_update_has_change_pending*) will automatically clear the checkbox. This behavior is expected and does not impact UCM processes. All active UCM Change Order statuses are visible in the item's **Changes** tab. The checkbox is available for PE compatibility only.

Best Practices

Recommendations:

- Use UCM relationships (e.g. *ucm_ChangeOrder_AffectedItem*, *ucm_ChangeTask_AffectedItem*) for reporting to provide accurate UCM status.
- Use the **Changes** tab on Affected Items to view active UCM Change Orders.

For customers with existing PE customizations:

- UCM does not modify the *PE_update_has_change_pending* method; your existing PE logic continues to work as designed.
- UCM leverages separate validation methods (*ucm_BlockVersionIfInUCMChange* and *ucm_BlockPromoteIfInUCMChange*) to prevent users from manually creating new versions or promoting lifecycle states of items that are in active Change Orders. These validations ensure change control integrity.

