

ActiveControl - Release Notes

7.0 — Last update: 2017/09/26

Basis Technologies

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1. Introduction

ActiveControl is comprised of the following modules. Please note that these will be referred to throughout the documentation as the relevant product features can be associated to one or more of these modules:

- **Transport Espresso (TE)** – Core transport and change management module where transports, tasks, workflows, approvals, testing, imports and notifications occur
- **ShiftLeft** – Automated analysis process to check changes and transports for things like sequencing, completeness, risks, issues, dependencies, impacts and quality
- **DevAnalytics** – A set of KPIs and metrics to delivers deep insight into the performance of the SAP development and change process. Key metrics report on Velocity, Cycle Times, Rework & Waste, Work in progress and Approval times
- **DevMax** – Management of mulit-track development processes enabling dynamic conflict detection and automated merge & retrofit

These Release Notes provide an overview of the new functionality rolled out in ActiveControl.

- ActiveControl 7.00 (*released August 2017*)

Previous releases of Transport Espresso and Transport Express are detailed in separate 5.X and 6.X Release Notes:

- Transport Espresso 6.20 (*released May 2016*)
- Transport Espresso 6.10 (*released June 2015*)
- Transport Espresso 6.00 (*released February 2015*)
- Transport Express 5.30 (*released September 2014*)
- Transport Express 5.20 (*released March 2014*)
- Transport Express 5.1n (*released 2013*)
- Transport Express 5.00 (*released 2012*)

2. SAP Certification

ActiveControl Transport Espresso is a SAP certified product:

- Certified for integration with SAP NetWeaver 7.01 via the SAP integration scenario ABAP Add-On Deployment for SAP NetWeaver (SAP report 36110100)
- Certified for integration with SAP NetWeaver 7.31 via the SAP integration scenario ABAP Add-On Deployment for SAP NetWeaver (SAP report 36110103)
- Certified for integration with SAP NetWeaver 7.40 oH via the SAP integration scenario ABAP Add-On Deployment on HANA for SAP NetWeaver (SAP report 3611086)
- Integration with SAP Transport Management System
- SAP Solution Manager Ready functionality

All ActiveControl SAP components exist within Basis Technologies' own namespace /BTI

3. ActiveControl 7.00

3.1. Automated 'Exception-Based' Approvals

ActiveControl 7.00 introduces exception-based auto approval capability, to allows TE customers to have certain (configurable) analysers running automatically in a particular Inbox or Outbox, and only stop the transports for a manual approval if the analysers identify issues.

Three outcomes are possible with the analyser results:

- BLOCK: if a particular analyser highlights an issue, TE will stop the Transport Form for a manual approval by the configured approver(s)
- WARN: if a particular analyser highlights a issue, TE will notify the configured approver(s) but still move the Transport Form forward to the next location.
- IGNORE: if a particular analyser highlights an issue, TE will move the Transport Form forward to the next location and not notify the configured approver(s).

Configuration Steps

- 1) Switch on the auto-approval in the required Target and Inbox / Outbox location(s).

Target Properties - ECC - Development RMCL (D01)

General Import Options Import Options II Inbox (Pending) Approvers Outbox Approvers Analysis Types

Target

SAP System ID:

Description:

Group Label:

Role:

Clients

Specify the clients of this target SAP system that transport requests are to be imported into. For example: '100, 200, 300'.

☐ Execute client copy SCC1 automatically on transport form creation ☐ Execute client copy SCC1 automatically on transport release

Miscellaneous

☒ Source system for transport requests created in SAP ☐ Hide this target within Transport Expresso

☐ Skip import queue for virtual targets ☐ Bypass all control points in this target (When system is offline)

After approval of items at the on this target, tasks are automatically locked

After approval of items at the on this target, automatically release transports

☒ Automatically run general analysis on testing approval ☐ Allow test result entry for my transports on this target

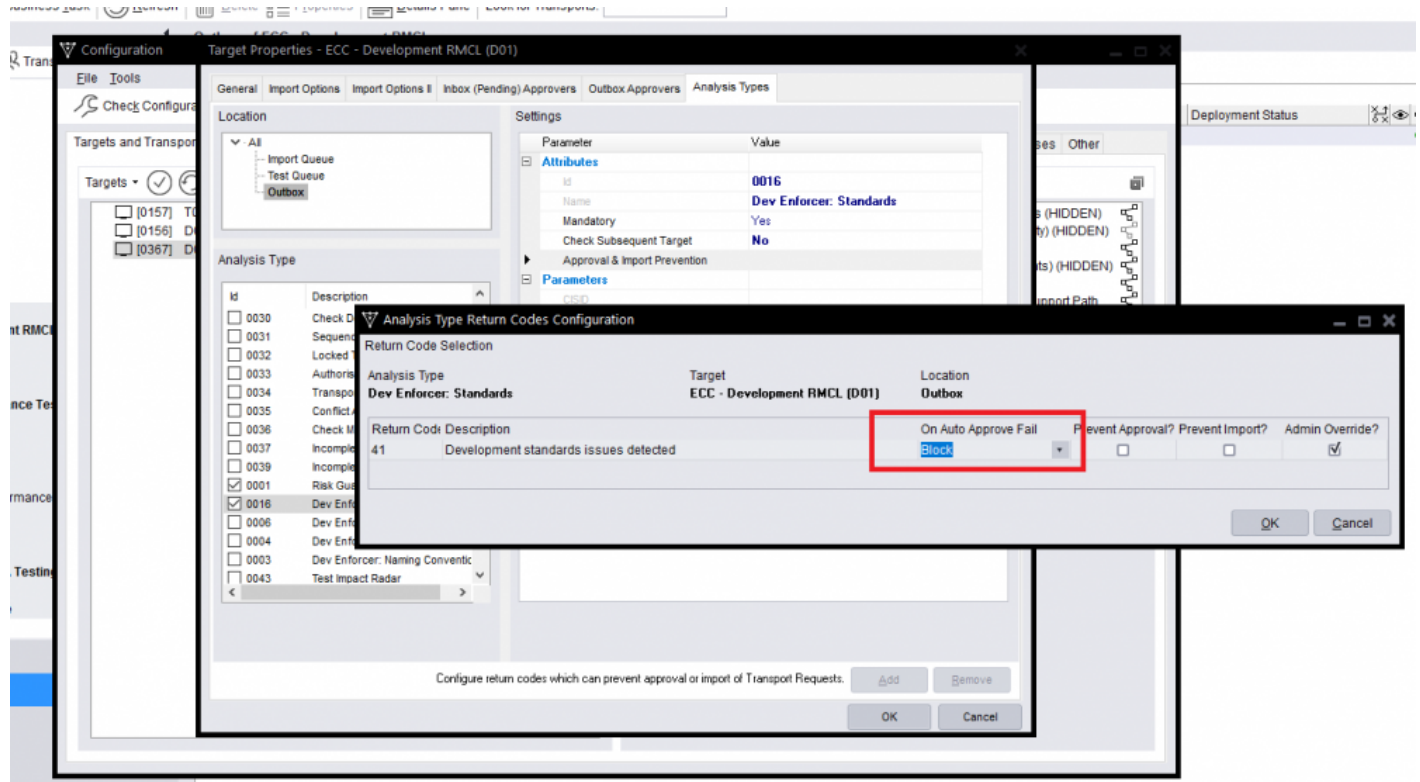
Automatically approve items where no critical analysis issues found in: ☐ Inbox ☒ Outbox

Consolidated Import Queue Options

This target

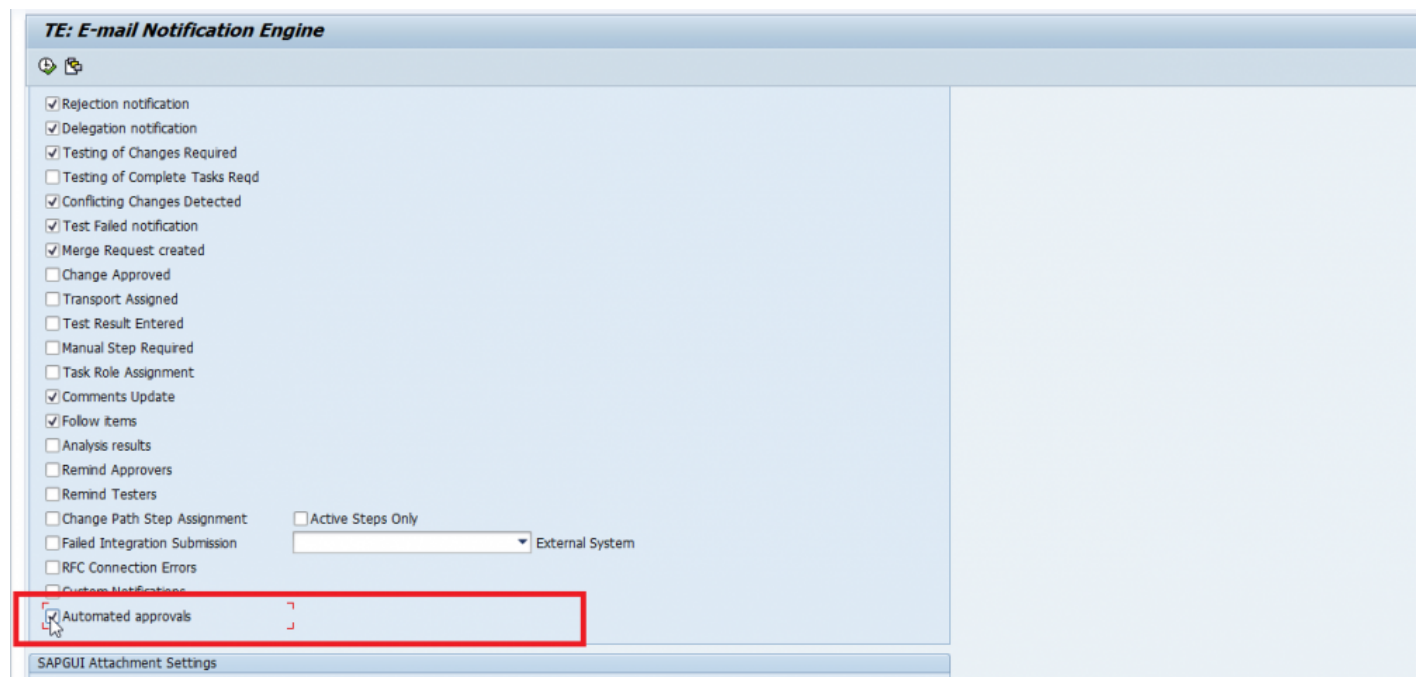
OK Cancel

2) Switch on the analysers that you want to run as part of the Automatic Approval. And for each analyser you want to run, specify whether you want to Block, Ignore or Warn if the analyser finds an issue (from within Approval & Import Prevention)



3) Switch on the new Automated Approvals notification in /BTI/TE_RNOTIFICATION_ENGINE.

NB: This is a new Notification for the “Warning” emails. The “Block” email will use the existing “Approval Required: Inbox” or “Approval Required: Outbox” notifications.



4) Schedule program /BTI/TE_RUSET_AUTO_APPROVE_JOB to run every 5 minutes with your

TE Batch user. No variant is required for this program. No additional authorisations are required by the TE Batch user.

This job calls underlying program /BTI/TE_RUAUTO_APPROVE to create a separate job for each of the targets have the Automatically Approve targets set – against which the automated approval process will run.

The format of these jobs will be: TE_AUTOAPPR_AAABBBBC

Where “AAA” is the SID of the Target, “BBB” is the Target number and “C” is the location (eg I (Inbox) or O (Outbox))

E.g.: TE_AUTOAPPR_D010457I

5) Configure the Inbox / Outbox Approvers via the existing the TE Windows GUI configuration – since an Approver will still need to do a manual approval in the BLOCK scenario.

Notes

(i) Auto-Approval runs at Transport Form level. This is important as it means you should probably set the General: Dependency Check to BLOCK to ensure that individual transports do not move forward.

(ii) Auto-Approval is only designed to work on Inboxes and Outboxes, NOT on Test Queues

(iii) If a Transport has a BLOCK on one analyser and a WARNING or IGNORE on the other analyser, the BLOCK will always take priority and the transport will stop for a manual approval.

3.2. Enhanced TE Web UI (7.00)

3.2.1. Delegate using the Web UI

As part of the ongoing evolution of the TE Web UI to reduce the need for TE customers to deploy the TE Windows GUI to large numbers of users, it is now possible to delegate approvals (and force delegations) via the TE Web GUI.

The screenshot displays the ActiveControl web interface for managing delegations. The top navigation bar includes the 'ActiveControl' logo and icons for Dashboard, Overview, Projects, and Reports. On the right, it shows the user 'Seecamp Karsten' and links for 'Default Web User Role', 'Edit details', 'Delegate approvals', and 'Help'. A left sidebar contains 'Save', 'Close', and 'Refresh' buttons. The main content area is titled 'Delegate for: Seecamp Karsten' and includes the following settings:

- Force Delegation:** ☐
- Enable Delegation:** ☒
- Start date:** 30.08.2017
- End date:** 10.09.2017

Recipient Name	Username
<div><button>Add Recipients</button> <button>Remove Recipient</button></div>	

Below the table, there are two notification settings:

- Send Notifications:** ☒
- Receive Notifications:** ☐

The bottom of the interface features the 'Transport Expresso' logo.

3.2.2. My Incomplete Manual Items

ActiveControl 7.00 introduces a new **My Incomplete Manual Items** metric in the Web UI.

This URL link opens to a list of the Manual Steps and Manual Activities that are awaiting your action.

- i) Steps that are required and are holding up Imports are indicated with a red hand
- ii) Steps that are required but not holding up Imports are indicated with an orange hand

These manual items can then be marked as completed via the Web UI when they have been performed.

The screenshot displays the ActiveControl web UI dashboard. The top navigation bar includes 'Dashboard', 'Overview', 'Projects', and 'Reports'. The left sidebar contains a list of navigation items, with 'My incomplete manual items' highlighted. The main content area is divided into three sections: 'Overview', 'Projects', and 'News / My recent activity / R'. The 'Overview' section shows a table of metrics, with 'My incomplete manual items' highlighted in a blue box, showing a value of 2. The 'Projects' section shows a table of project metrics, with 'Realisation: Build' at 46, 'Realisation: Testing' at 0, and 'Final Preparation' at 0. The 'News / My recent activity / R' section shows a list of recent activities, including 'TCSIPES approved...', 'Amine BEKKAT approved Test for TE-1545 into BAU Development (D01) Test for TE-1545', and 'Amine BEKKAT approved testing for Test for TE-1545 in BAU Development (D01) Test for TE-1545'.

Overview	
Awaiting my approval	121
Awaiting my testing	2
In progress changes for my transports	5
In progress changes assigned to my role	3
My incomplete manual items	2
In progress changes for my team	0
New business tasks	939

Projects	
Realisation: Build	46
Realisation: Testing	0
Final Preparation	0

News / My recent activity / R

- TCSIPES approved... 1499 KSE out of BAU Development (D01) Test for TE-1545 1499 Test 15 days ago
- Amine BEKKAT approved Test for TE-1545 into BAU Development (D01) Test for TE-1545 A month ago
- Amine BEKKAT approved testing for Test for TE-1545 in BAU Development (D01) Test for TE-1545 A month ago
- Amine BEKKAT approved Test for TE-1545 into BAU Development (D01) Test for TE-1545 A month ago

ActiveControl

Dashboard

Overview

Projects

Reports

Default Web User Role | Edit details | Delegate approvals | Help

Seecamp Karsten

Process manual item

Show transport form

Go back

Overview:

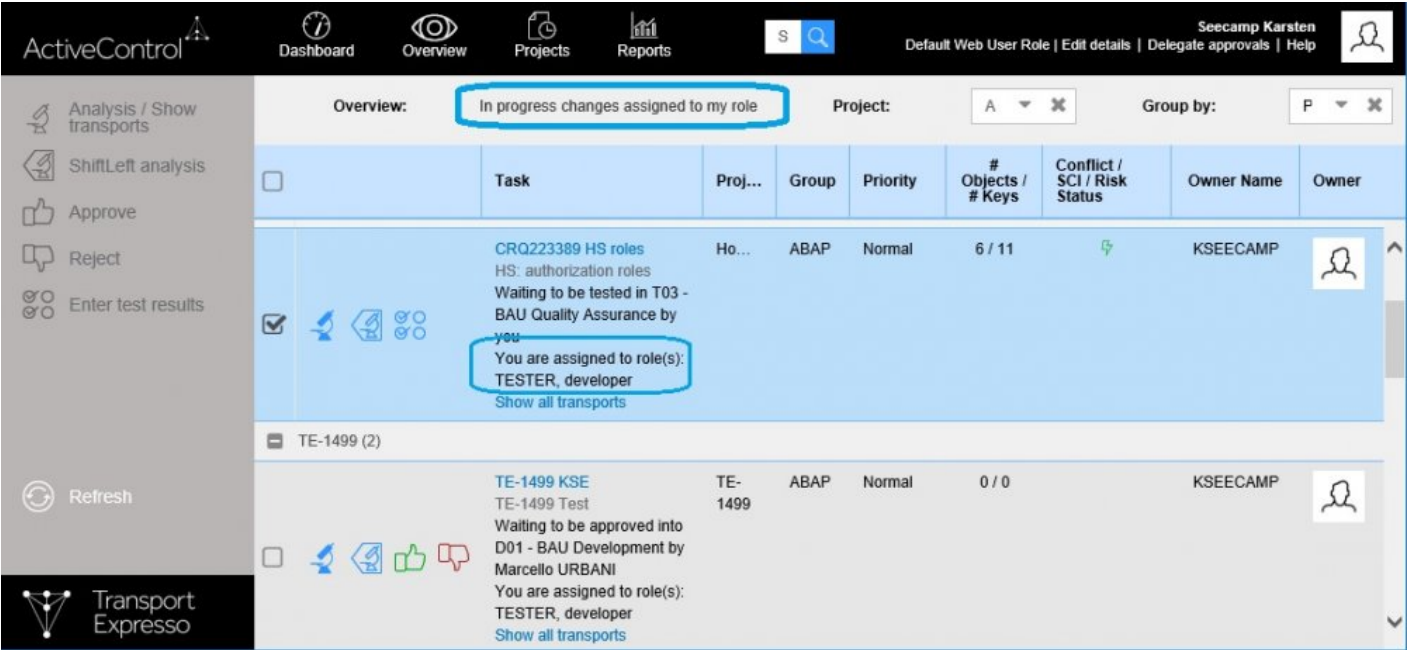
My incomplete manual items

Title	Status	System	Before/Af... Import	Transport Request	Transport Description
Test: New Incomplete Manual Items in WebUI		D01 - BAU Development	Before import	D01K933715	Test: New Incomplete Manual Items in WebUI
Manual activity for KSE		D01 - BAU Development	Before import	D01K933717	Manual activity for KSE

Transport Expresso

3.2.3. In progress changes assigned to my roles

ActiveControl 7.0 introduces a new ‘In progress changes assigned to my roles’ metric in the Web UI, whereby users can see a list of the Business Tasks to which any their user role(s) have been assigned.



Configuration Steps

No specific configuration is required to switch on this functionality, However if it is not relevant for a customer’s processes within ActiveControl, the link can be removed from the TE Web UI via table /BTI/ TE_ROLEMET. (the ID can be confirmed from table /BTI/TE_UIMETRIC)

3.3. Test Sign-off for individual transports

Prior to ActiveControl 7.00, it has always only been possible to sign off testing in Test Queues at a Business Task level. The guiding principle behind this has always been that testing is being signed off on an entire change, and so all Transport Forms relating to the Business Task should be moved at the one time.

There are however scenarios where customers may want to move individual transports forward from Test Queues, (for example when unit testing of one transport is complete, and the Developer wants to move it into subsequent test system for further testing in advance of the other transports relating to the same change being developed/unit tested).

ActiveControl 7.00 introduces a 'Partial Testing' capability in Test Queues to facilitate this requirement.

This can be performed in both the Windows GUI and in the Web UI.

Configuration Steps

To enable transport level testing signoff, tick the 'Allow test result entry for my transports on this target' checkbox on the target.

Target Properties - ECC - Development RMCL (D01)

General Import Options Import Options II Inbox (Pending) Approvers Outbox Approvers Analysis Types

Target

SAP System ID:

Description:

Group Label:

Role:

Clients

Specify the clients of this target SAP system that transport requests are to be imported into. For example: '100, 200, 300'.

☐ Execute client copy SCC1 automatically on transport form creation ☐ Execute client copy SCC1 automatically on transport release

Miscellaneous

☒ Source system for transport requests created in SAP ☐ Hide this target within Transport Expresso

☐ Skip import queue for virtual targets ☐ Bypass all control points in this target (When system is offline)

After approval of items at the on this target, tasks are automatically locked

After approval of items at the on this target, automatically release transports

☒ Automatically run general analysis on testing approval ☐ Allow test result entry for my transports on this target

Automatically approve items where no critical analysis issues found in: ☐ Inbox ☐ Outbox

Consolidated Import Queue Options

This target

OK Cancel

Notes:

- (i) If the new configuration option is left unchecked, then Test Queue signoffs will operate as they have in the past. ie only users assigned to the Business Task will be able to do a "Save and Approve" in the Test Queue.
- (ii) Partial testing can only be done on transports that you own.
- (iii) Partial testing can be done across Business Tasks, ie by selecting transport forms on different business tasks.

3.4. Approver reason comments on Approve Anyway

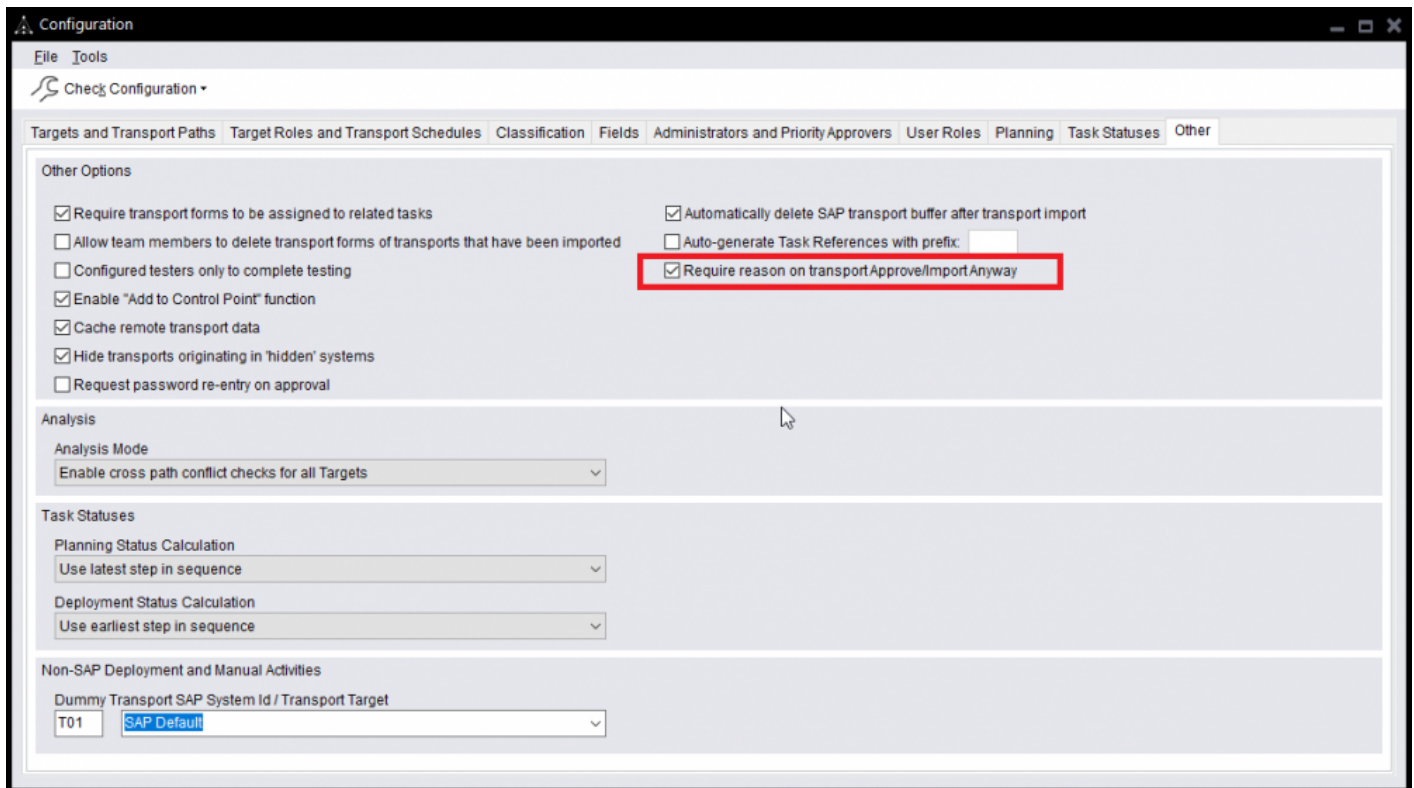
ActiveControl 7.0 introduces the ability to force a 'reason' comment to be entered when selecting 'Approve Anyway' during analysis results. This can be used to ensure an auditable explanation of why an Approver has chosen to proceed with an approval when the analysers have presented warnings.

When the functionality is enabled, a popup will ask the approver to enter a reason when the 'Approve Anyway' button is used.



Configuration

This is configured via global setting within TE Configuration Option tab – “Require reason on transport Approve/Import anyway”.



3.5. Transport Form Organizer in SAP GUI

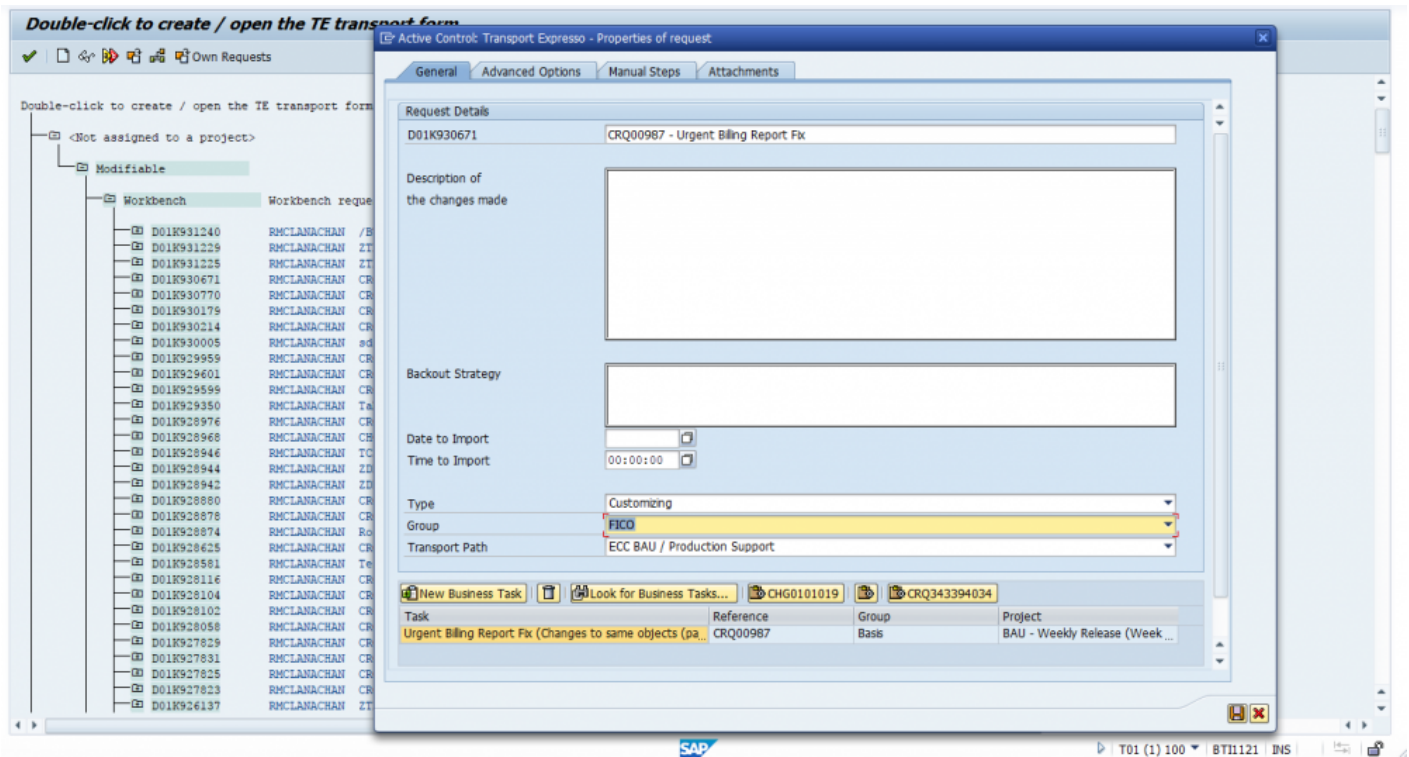
Previous to ActiveControl 7.00, it was not been possible to reopen the TE Transport Form from within the SAP GUI after the underlying transport was released.

ActiveControl 7.00 introduces a new TE Transport Form Organiser screen that is accessed in the SAP GUI of the ABAP Development system via a new transaction and can be used to trigger the TE Transport Form screen of any released or modifiable transport without requiring the release authorisations. This can be used to populate the Transport Form at the start of the process (ie when the Developer or Functional Consultant has finished their work) or to update it later on in the process after the transport is released – for example if a Developer wants to add a Manual Step or Dependency to a Transport Form they completed earlier.

This functionality can be accessed via transaction: **/n/BTI/TE_TR_FORM**

The screenshot displays the SAP GUI interface for the 'Active Control: Transport Expresso Transport Form Organizer' transaction. The window title is 'Active Control: Transport Expresso Transport Form Organizer'. The interface includes a menu bar (Program, Edit, Goto, System, Help) and a toolbar with various icons. The main content area is divided into several sections:

- Standard Selections:** This section contains input fields for 'Request/Task' (with a dropdown arrow), 'Owner' (containing 'RMCLANACHAN'), and 'Date' (with a 'to' field and a dropdown arrow). There are also buttons for selection and navigation.
- Request Type:** A dropdown menu is set to 'All Request Types and Task Types'.
- Request Status:** A section with three checkboxes: 'Modifiable' (checked), 'Release Started' (unchecked), and 'Released' (unchecked).



Double clicking a transport in the result view opens the existing transport form.
If no transport form assignment exists an empty form opens to be maintained.

Note that the use of this transaction will require a TE role in the Development system to be assigned to the person wanting to run it.

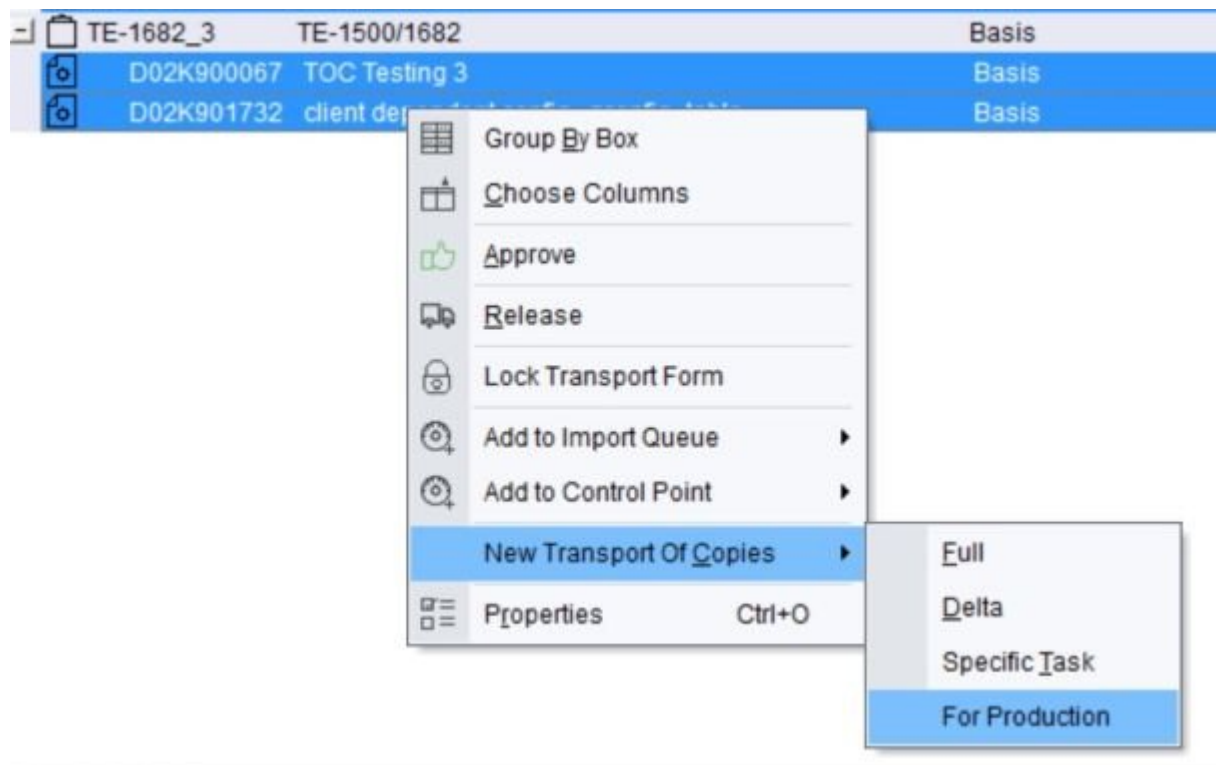
The authorisation is included in /BTI/TE:CTS_USER.

3.6. Production TOC's

ActiveControl 7.00 introduces the ability to create Transport Of Copies (TOC) for deployment to Production.

This is something that customers have requested, as it was something they were doing previously at an SAP level to reduce the number of transports deployed in production, and by extension, to reduce the time window required for Production import.

Production TOCs are created in the TE Windows GUI. This is done by right-mouse clicking on the required transport(s) and selecting “New Transport of Copies” > “For Production”.



The new Production TOC behaves quite differently from the other TE TOC capability. Key points of note:

1. the TOC will be put in the same location as the original transports
2. the original transports are deleted from the location
3. if there is no user exit, a Transport Form is created automatically, which (i) ignores the task selections made in the GUI (ii) assigns the tasks of the original transports (iii) takes the TE Group and Type coming from /BTI/TE_TOCONFIG DEPLOYTYPEID and DEPLOYGROUPID
4. If there is a user exit, then creating and moving the TF will be handled by the exit

5. When a TOC Transport Form is deleted completely without being completed, the original transports are added back to the original location

This functionality is intended only for Production deployments, and will only work if all the transports imported in QA but not in Production are merged into a single TOC. Side effects could happen if the TOC is created earlier in the path or some transports are excluded from the TOC (and also many of the TE analysers will not work correctly)

Configuration Steps

To configure Production TOC functionality, two things are needed:

- 1) a couple entries must be added in table /BTI/TE_TOCONFIG in the TE Domain Controller

DEPLOYTYPEID: The "Type" to be used for the TOC Transport Form (from /BTI/TE_TYPE)

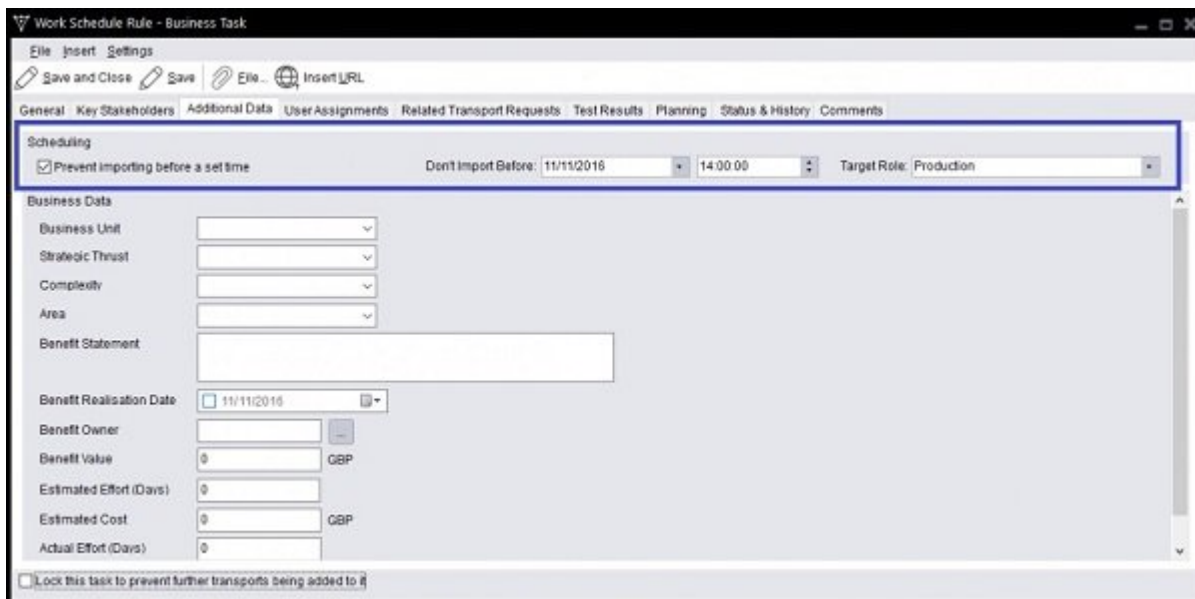
DEPLOYGROUPID: The "Group" to be allocated to to the TOC Transport Form (from /BTI/TE_GROUPS)

- 2) the system in which the TOC will be created as a valid source system in the path.

3.7. Future scheduled imports

ActiveControl 7.00 introduces the ability to forward schedule Transports into Production.

The scenario the new functionality aims to address is where a TE customer has a regular release cycle, but wants to delay specific changes until a specific date/time in the future after the next release. This can now be done via new options available on the TE Business Task 'Additional Data' tab.



Note: Forward Scheduling is complete separate to standard TE Schedules configured in the TE Windows GUI, and does not work in conjunction with any custom field based Selection Criteria rules that you may have setup. This means that if you setup a forward schedule, it will be imported at the specified future date/time, irrespective of any restrictions you have configured as part of standard TE Schedules.

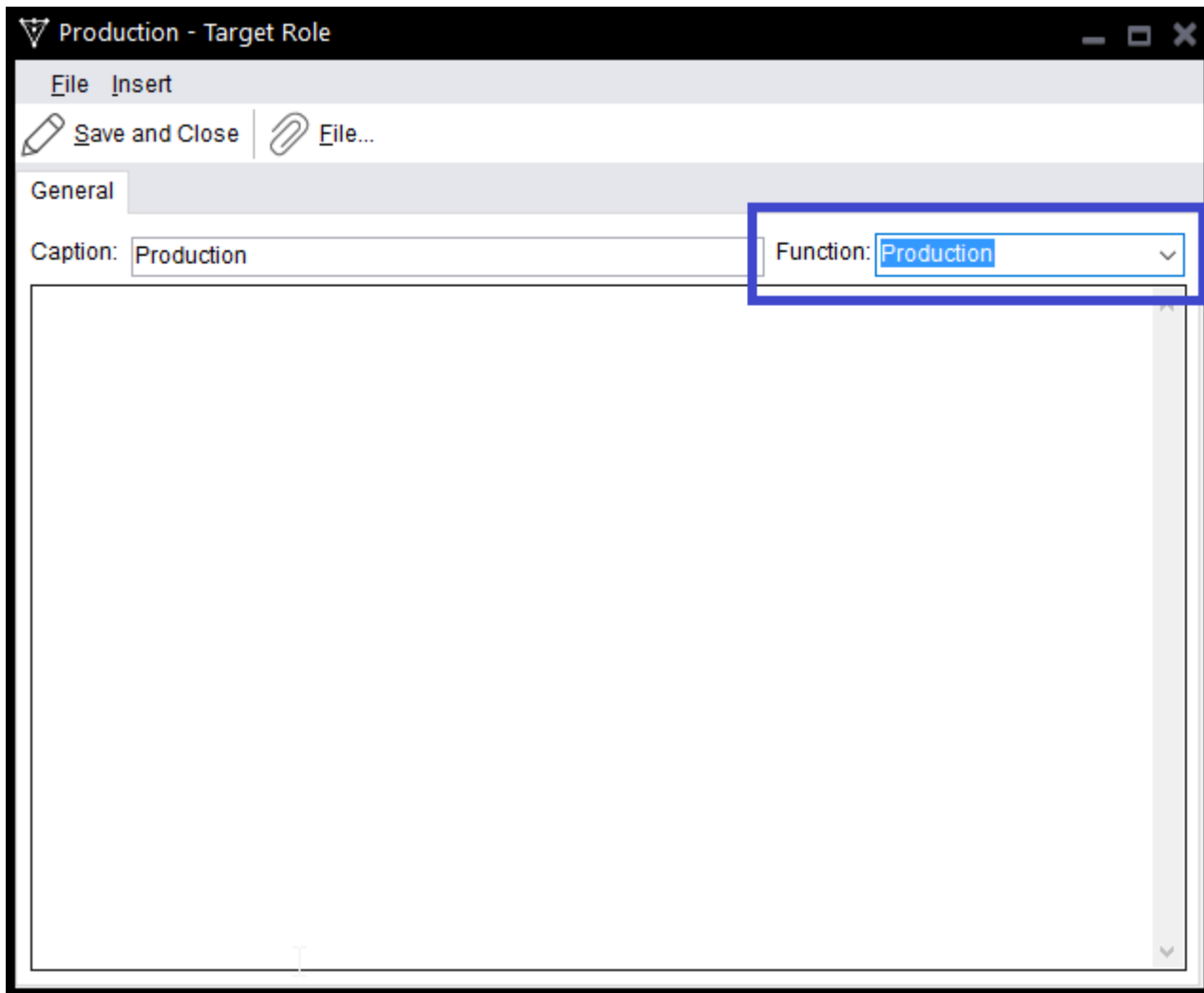
Configuration Steps

1) A customers 'Production' Target Role must be assigned to a new 'Production' Function within Windows GUI Configuration.

It is this function that tells Transport Espresso which is your Production system. No other Target Roles need to be assigned to a Function. (the Development, Test and Merge functions are for future TE development, and are not currently used for anything)

2) A variant must be created for program /BTI/TE_RX002 via SE38. (using default values)

3) This program variant should then be scheduled via SM36 to run regularly (say every 5 minutes).



3.8. Additional approvals based on specified critical objects in transports

ActiveControl 7.00 introduces the ability to force transports containing specific critical SAP objects (standard or custom) to stop for an additional approval in the workflow.

This new feature sits on top of the existing TE Risk Guard and TE Skipping functionalities.

Configuration Steps

1) Add the following four entries to **/BTI/TE_EXITC** table in the Domain Controller

```
/BTI/TE_EXIT_SAMPLE_0710  
/BTI/TE_EXIT_SAMPLE_0740  
/BTI/TE_EXIT_SAMPLE_0500  
/BTI/TE_EXIT_SAMPLE_0505
```

2) Create Risk Groups in table **/BTI/TE_RISKG** for each grouping of approvals that you want.

For example

```
BT9001 – Security Objects  
BT9002 – Basis Objects  
BT9003 – Finance Objects
```

2) Create a new Risk Level for these objects in **/BTI/TE_RISKL**.

3) Add entries in table **/BTI/TE_RISKGOB** for each object you want to stop for additional approval. Use RISK LEVEL defined in Step (2)

4) Add new TE Control Point (ie Inbox or Outbox) where you want the additional approval to occur if the transport contains the objects defined in (4).

5) Add entries in table **/BTI/TE_RISKUSER** for who you want to be able to approve each Risk Group.

6) Add the Approvers in the TE Windows GUI configuration against the required target/control point.

7) Create new Skipping Rules.

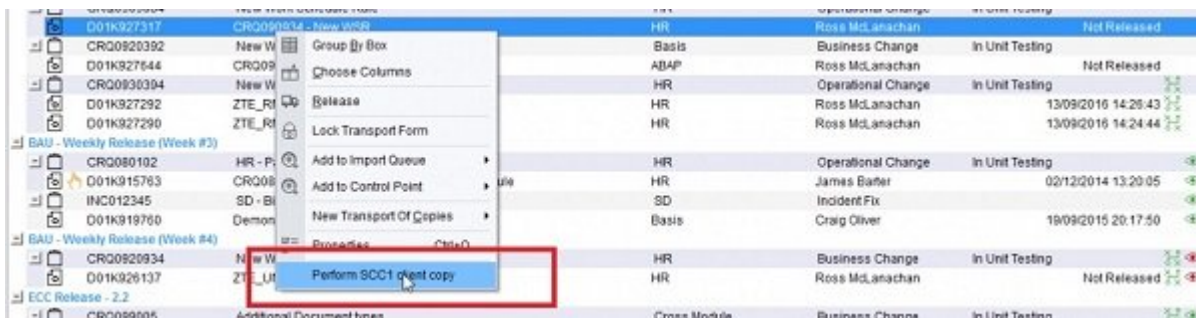
- (i) Add Skipping Rules in table /BTI/TE_SKIPCP in the Domain Controller for all Transport Form 'Types' to skip new Control Point.
- (ii) Add Skipping Rules in table /BTI/TE_SKIPCP in the Domain Controller for all Transport Form 'Types' to NOT SKIP when they contain the Risk Groups created above – by adding in RISK_LEVEL that you defined in Step (2).

3.9. Automated SCC1 client copy

ActiveControl 7.00 introduces automated SCC1 client copy capability to get client-dependent changes into other clients.

The SCC1 functionality in Transport Expresso allows:

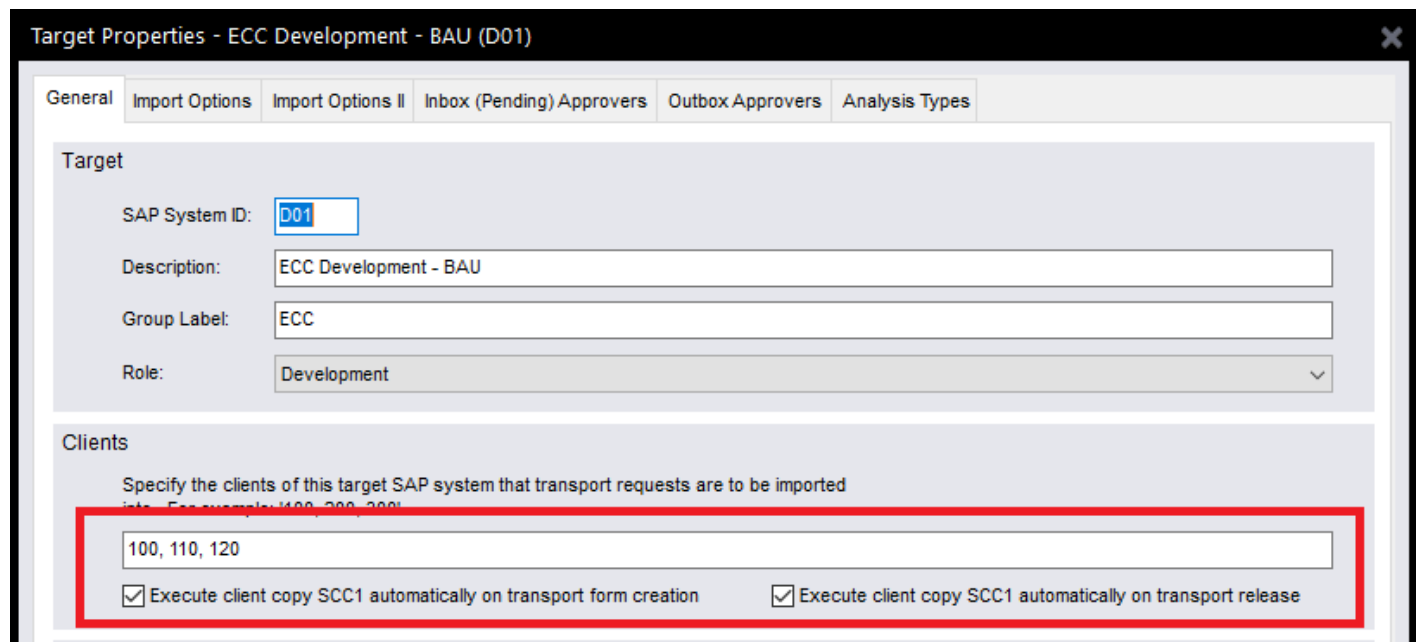
- 1) SCC1 to be done automatically to the configured Development system clients *at the point a TF is created* if required.
- 2) SCC1 to be done automatically to the configured Development system clients *at the point a Transport is released* if required.
- 3) TE Users to perform a manual SCC1 via the TE Windows GUI (by right-mouse clicking on an individual transport)



Configuration Steps

SCC1 automation is configured within the Development target by the TE Administrator. New checkboxes enable automated SCC1 to be executed at the point a TE Transport Form is created and/or at the point the SAP Transport is released, depending on the individual customer's process.

The clients field in the TE Target determines the clients into which the SCC1 will be done. It is not an issue to still configure the main Development client (ie the source client of the transport) in the client field.



Target Properties - ECC Development - BAU (D01)

General | Import Options | Import Options II | Inbox (Pending) Approvers | Outbox Approvers | Analysis Types

Target

SAP System ID:

Description:

Group Label:

Role:

Clients

Specify the clients of this target SAP system that transport requests are to be imported into. For example: 100, 200, 300

☒ Execute client copy SCC1 automatically on transport form creation ☒ Execute client copy SCC1 automatically on transport release

Note: If multiple clients are adding in the Development target, then client dependant transport forms will be put in the Development system Import Queue. To avoid this, TE Skipping can be used to skip all Transport Forms past that Import Queue if required.

Authorisations

Please note that customers will need to add S_USER_AGR to the TE_RFC user role in development systems where SCC1 is used and they want to use SCC1 to copy roles across. In all other cases it's not needed.

3.10. Send analysis results to configured users

ActiveControl 7.00 introduces the ability to send specific analysis results to specific users via email.

This functionality builds on the existing Custom Notifications functionality within the tool.

Configuration Steps

- 1) Switch on Custom Notification as part of your variant for program /BTI/TE_RNOTIFICATION_ENGINE.
- 2) Add your required notification in table /BTI/TE_NOTIF_CU using the standard

NOTIF HTML: The standard /BTI/TE_SCHEDULED_ANALYSIS HTML template should be used
HANDLING CLASS: /BTI/TE_CL_CUST_NOT_SCHED_ANL

Data Browser: Table /BTI/TE_NOTIF_CU Select Entries 1

Table: /BTI/TE_NOTIF_CU
Displayed Fields: 11 of 11 Fixed Columns: 1 List Width 0400

NOTIFID	NOTIF_NAME	NOTIF_HTML	TARGET	LOCATION	DEPL_STAT	PLAN_STAT	RECIPIENTS	TASK_ROLEIC	NOTIF_DAYS	HANDLING_CLASS
ANALY	Scheduled analysis	/BTI/TE_SCHEDULED_ANALYSIS	0000				Y		0	/BTI/TE_CL_CUST_NOT_SCHED_ANL

- 3) Schedule a variant of program /BTI/TE_RANALYSE_REQUESTS_LOC for the specific analyser/path/location for which you want email to be sent. Flag 'create notification entry' must be set.

Transport Expresso: run analysis

Analysis Type: 0016
 Transport Path ID: 01
 Target ID: 0043
 Location: 0
 Request ID: [] to []

☐ Display list
☒ Create notification entry

3.11. Language Translation

ActiveControl 7.00 includes out of the box translation German language Transport Espresso, and also introduces the capability to configure the tool for other languages if required.

The language is determined by the language settings in the user's SAP system.

Configuration Steps

Setting up translation within ActiveControl to a language other than English or German is a technical exercise that will require Basis Technologies involvement. If this is something you are interested in, please contact us.

3.12. ShiftLeft Analysers (7.00)

3.12.1. ShiftLeft: Changes to same objects (path)

This new ShiftLeft Analyser enables you to indicate what other transports in a TE path contain the same objects as those contained within the transport(s) being analysed. It was requested by a few existing customers that want to stop new versions being imported into a system until an older version that had already been imported into that system had been tested and moved forward.

Request ID	Other request	Owner	Creation date	Request location(backward/forward)	Task reference	Program ID	OBJECT	Obj. Name
D01K928958	D01K927165	RMACLANACHAN	09/11/2016	T01 - ECC QA System (BAU) - Inbox (forward)	CRO0061123	LMIJ	REPS	ZTE_RMCL_FINANCE_REPORT

The analyser can look for the object in other transports i) Forward, ii) Backward or iii) Forward and Backward in the TE path, depending on how the exact requirement

Note that another ShiftLeft analyser “Changes to same objects” can be used to identify other transports containing the same object(s) *in the same control point*.

Configuration Steps

Parameters

CHECK_BACK_AND_FORWARD: Define whether you want to look only Forward, only Backward or both Backward and Forward in the Path.

IGNORE_SAME_TASK: Can be used if you want to ignore other transports assigned to same Business Task that contain the same object(s).

KEY_NO_RELATED_VIEWS: By default, when transporting table entries, views that use the same table in key fields will be considered a conflict. This behaviour can be turned off with this flag.

KEY_NO_WILDCARDS: If this flag is set, wildcards are not considered when searching for conflicting table entries.

3.12.2. ShiftLeft: Check Custom Field entered

A new New ShiftLeft **Check Custom Field Entered** analyser can be used to check if a custom field has been populated or not.

This is useful for customers that do not want a particular custom field to be mandatory at the point the Transport Form or Business Task is created, but want to ensure that it has been populated by a certain point in the process. (for example, for customers that have a separate Change Ticket raised as part of their process for moving SAP Change to Production.

Configuration Steps

Configuration
Target Properties - ECC QA System (BAU) (T01)

General Import Options Import Options II Inbox (Pending) Approvers Outbox Approvers Analysis Types

Location

- All
 - Inbox
 - Import Queue
 - Test Queue

Analysis Type

Id	Description
<input type="checkbox"/> 0058	SCC1 client copy check
<input checked="" type="checkbox"/> 0048	Changes to the same objects
<input type="checkbox"/> 0049	Allowed Objects Check
<input type="checkbox"/> 0050	Disallowed & Critical Objects Ch
<input type="checkbox"/> 0051	Check Documentation
<input type="checkbox"/> 0052	Automated Unit Tests
<input type="checkbox"/> 0053	Check component version
<input checked="" type="checkbox"/> 0055	Changes to the same objects (p
<input checked="" type="checkbox"/> 0057	Check custom fields entered
<input type="checkbox"/> 9001	Check Task Tester
<input type="checkbox"/> 9002	Check Regression Start Date
<input type="checkbox"/> 9003	Task and Transport Type Validat
<input type="checkbox"/> 9004	Check Task Approval

Settings

Parameter	Value
Attributes	
Id	0057
Name	Check custom fields entered
Mandatory	Yes
Check Subsequent Target	No
Approval & Import Prevention	
Parameters	
CHECK_TASK_AND_FORM	TASK
CUSTF1	617
CUSTF1_MSG	Please enter a CHG number
CUSTF2	
CUSTF2_MSG	
CUSTF3	
CUSTF3_MSG	

CHECK_TASK_AND_FORM = TASK or FORM or TASK & FORM – this is the level of the TE Hierarchy that you want the Analyser to check ”

CUSTF1 = This is the number of the custom field that you want to check. You can get this number from the

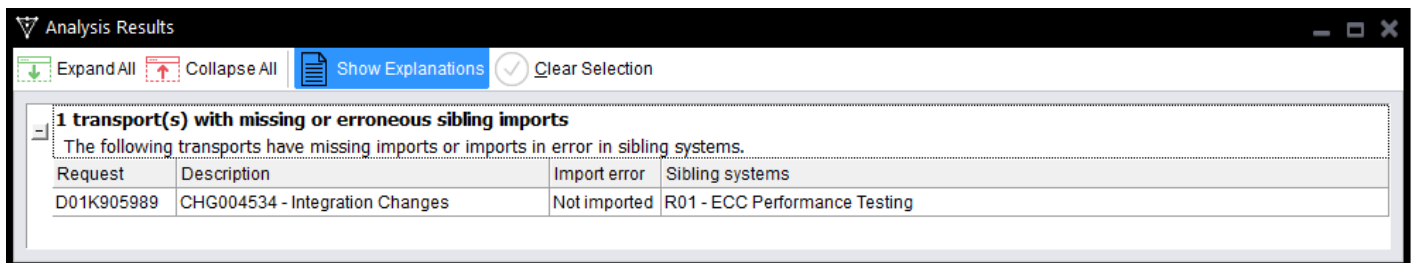
Configuration Screen "Fields" tab

CUST1_MSG = This is the message you want to appear in the analyser warning if the field is blank.

3.12.3. ShiftLeft: Check sibling system imports

Check sibling system imports (0059) can be used to analyse if a transport has been imported into a sibling system in a path.

An example of its use is where an SAP customer has parallel regional SAP QA systems. Using this analyser can ensure that the transport does not progress onwards to Production until it has been approved and imported into all of the QA systems.



The screenshot shows a window titled 'Analysis Results' with a toolbar containing 'Expand All', 'Collapse All', 'Show Explanations', and 'Clear Selection'. Below the toolbar, a summary line reads '1 transport(s) with missing or erroneous sibling imports'. A message states 'The following transports have missing imports or imports in error in sibling systems.' Below this is a table with the following data:

Request	Description	Import error	Sibling systems
D01K905989	CHG004534 - Integration Changes	Not imported	R01 - ECC Performance Testing

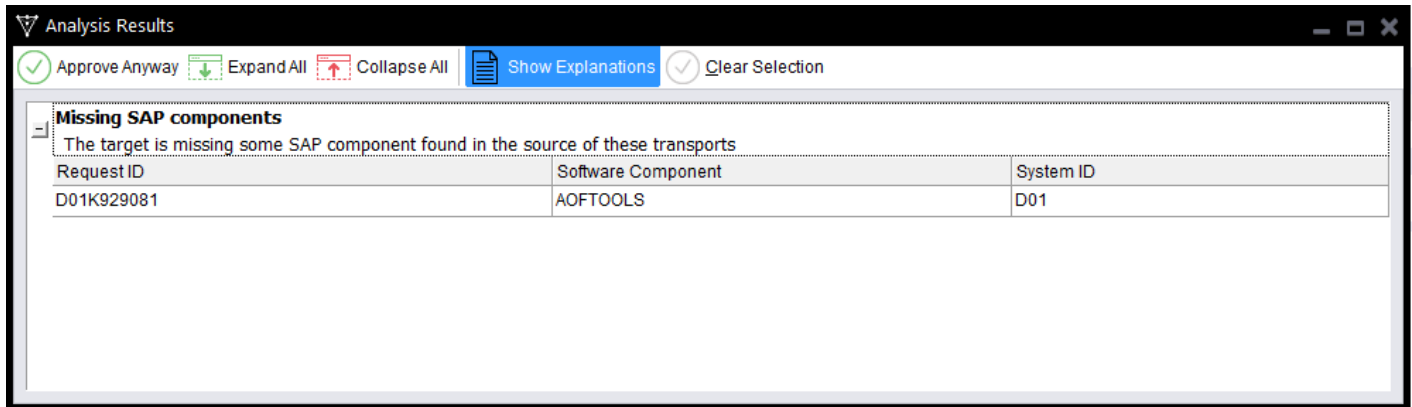
Configuration Steps

Parameters:

TARGETROLEID: Enter the appropriate Role ID (from backend table /BTI/TE_TARGROLE) if you only want to check the sibling systems that are assigned to the specified target role. If it is not set, then the analyser will check all sibling systems.

3.12.4. ShiftLeft: Identify Component Version differences

ShiftLeft: Identify Component Version differences* (0053) analyser can be used to report if a transport has a different component version than the next system that it is to be imported into.



Configuration Steps

Parameters: None

3.12.5. ShiftLeft: Critical Impact Analysis

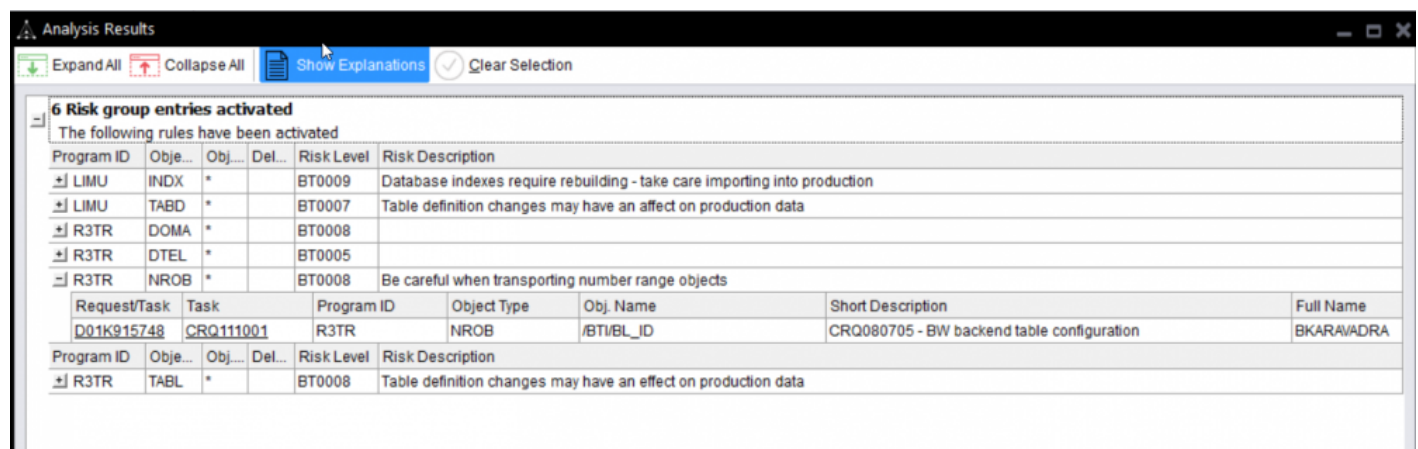
Critical Impact Analysis (0061) can be used to check to identify critical impacts by using a combination of existing Risk Guard and Test Impact Radar functionality.

For an analysed transport, the check will:

1. Traverse up the dependency hierarchy to find all objects above that are possibly affected.
2. Check this set of objects against a set of objects configured in a Risk Group
3. The intersection of the two sets of objects creates the output

The output of the analyser shows:

- i) a 'summary' the list of the objects in the risk group that are affected by the transport(s) being analysed.
- ii) a 'detail' list for each of the objects in the 'summary' list, to show all of the objects from the original transport(s) that affect this particular risk group object.



The screenshot shows the 'Analysis Results' window with the following content:

6 Risk group entries activated
The following rules have been activated

Program ID	Obj...	Obj...	Del...	Risk Level	Risk Description
LIMU	INDX	*		BT0009	Database indexes require rebuilding - take care importing into production
LIMU	TABD	*		BT0007	Table definition changes may have an affect on production data
R3TR	DOMA	*		BT0008	
R3TR	DTL	*		BT0005	
R3TR	NROB	*		BT0008	Be careful when transporting number range objects

Request/Task	Task	Program ID	Object Type	Obj. Name	Short Description	Full Name
D01K915748	CRQ111001	R3TR	NROB	/BTI/BL_ID	CRQ080705 - BW backend table configuration	BKARAVADRA

Program ID	Obj...	Obj...	Del...	Risk Level	Risk Description
R3TR	TABL	*		BT0008	Table definition changes may have an effect on production data

Configuration Steps

Parameters:

INCLUDE_DUPLICATES: if there are duplicates in the results, whether you want to see them or not. (the default is No)

LEVELS: How many levels up to check.

MINIMUMRISKLEVEL: Minimum Risk Level from table /BTI/TE_RISKL

RISKGROUP: Risk Group from table /BTI/TE_RISKG

Note:

This analyser requires an updated License Key. If you are upgrading from a previous version and having issues trying to configure the analyser, it is probably because you need a new key.

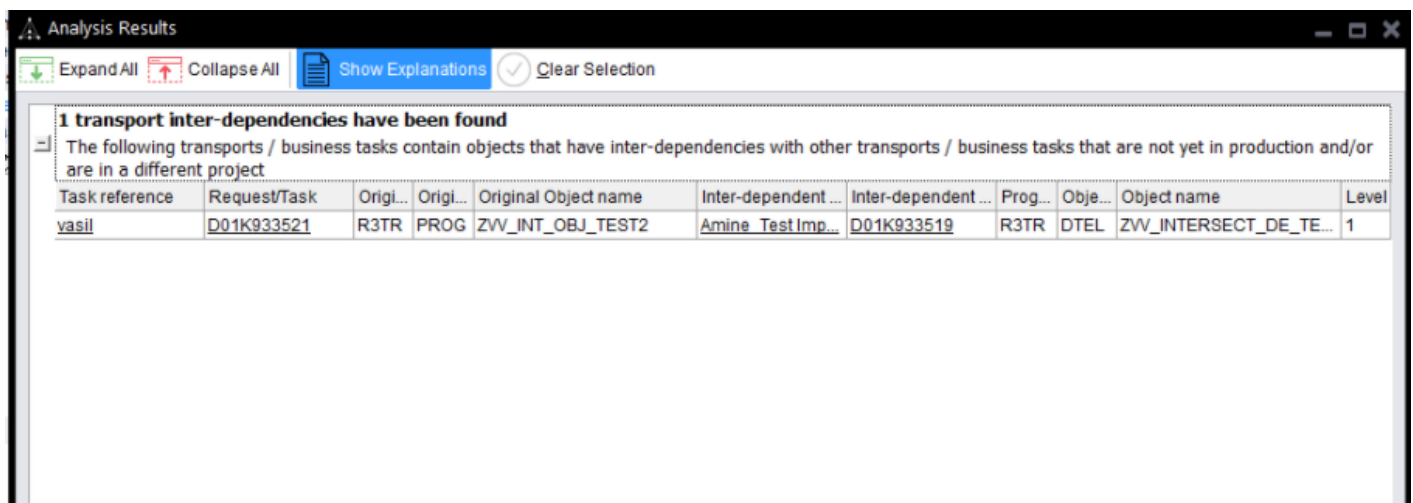
3.12.6. ShiftLeft: Check Interdependencies in Path

Check Interdependencies in Path (0062) analysis uses a combination of the existing Test Impact Radar, Deep Impact Analysis and Overtake sequencing analysis checks to do the following:

1. Explodes out all dependent objects for a transport/change (to configurable number of levels)
2. Adds in all objects above the transport objects in the dependency hierarchy
2. Checks to see if any of the exploded out objects are in transports in the path, in the same target as the transport being analysed or in front of the transport being analysed (i.e. not in production yet) – to provide an intersection of the transports/objects between the transport(s) being analysed and other transports in the path.

It is possible to run the Check Interdependencies in Path analyser in three ways:

- i) to report on the intersection of transports/objects if the intersecting transports do not have the same value as a Custom Field on the Business Task(s) being analysed
- ii) to report on the intersection of transports/objects if the intersecting transports are not in the same Project(s) as the Business Tasks I am analysing
- iii) to report on the intersection of transports/objects if the intersecting transports are not in the Business Tasks I am analysing.



The screenshot shows a window titled 'Analysis Results' with a toolbar containing 'Expand All', 'Collapse All', 'Show Explanations', and 'Clear Selection'. Below the toolbar, a message states: '1 transport inter-dependencies have been found'. A sub-message reads: 'The following transports / business tasks contain objects that have inter-dependencies with other transports / business tasks that are not yet in production and/or are in a different project'. Below this is a table with the following data:

Task reference	Request/Task	Orig...	Orig...	Original Object name	Inter-dependent ...	Inter-dependent ...	Prog...	Obj...	Object name	Level
vasil	D01K933521	R3TR	PROG	ZW_INT_OBJ_TEST2	Amine TestImp...	D01K933519	R3TR	DTL	ZW_INTERSECT_DE_TE...	1

Configuration Steps

Parameters:

ANALYSIS_TYPE: Whether you want to run the Analysis by i) Custom Field, ii) Project or iii) Task

CUSTOM_FIELD: the Custom Field number if you have selected that Analysis type.

LEVELS: Specify the number of levels to go down in object hierarchy.

3.13. Create custom tabs on Business Tasks

ActiveControl 7.00 introduces the capability to add new custom tabs instead of the main 'General' tab on the Business Task.

This was requested by a customer that uses Transport Expresso as its main change management tool and wanted to store lots of additional information to fulfil its internal processes that were not available via the TE standard fields. Presenting them on a separate tab ensures that the General tab does not become congested with fields.

The new tabs are visible in both the Windows GUI and Web UI.

The screenshot shows a Windows application window titled 'Untitled - Business Task'. The menu bar includes 'File', 'Insert', and 'Settings'. The toolbar contains icons for 'Save and Close', 'Save', 'File...', and 'Insert URL'. The tab bar at the top shows several tabs: 'General', 'Key Stakeholders' (which is selected and highlighted with a blue border), 'Additional Data', 'User Assignments', 'Related Transport Requests', 'Test Results', 'Planning', 'Status & History', and 'Comments'. The main content area is divided into two sections: 'IT Stakeholders' and 'Business Stakeholders'. The 'IT Stakeholders' section has three rows: 'Change Lead' with 'Karsten SEECAMP', 'Solution Architect' with 'James Roberts', and 'Project Manager' with 'James Barter'. The 'Business Stakeholders' section has three rows: 'Solution Owner' with 'Reid Robb', 'Process Owner' with 'Ian Goulbourne', and 'Budget Owner' with 'Darren Beal'. Each row has a text input field and a button with an 'X' and a three-dot menu icon. At the bottom of the window, there is a checkbox labeled 'Lock this task to prevent further transports being added to it'.

IT Stakeholders	
Change Lead	Karsten SEECAMP
Solution Architect	James Roberts
Project Manager	James Barter

Business Stakeholders	
Solution Owner	Reid Robb
Process Owner	Ian Goulbourne
Budget Owner	Darren Beal

Transport Expresso

Dashboard Overview Projects Reports

Search

Save Cancel

Refresh

New Billing Changes

CRQ0349304

General Key Stakeholders Additional Data User assignments Testers Status & History Comments

IT Stakeholders

Change Lead: Karsten SEECAMP

Solution Architect: James Roberts

Project Manager: James Barter

Business Stakeholders

Solution Owner: Reid Robb

Process Owner: Ian Goulbourne

Budget Owner: Darren Beal

Configuration Steps

Custom Tabs can be created via new **Custom Tab** section of the Fields tab in the TE Windows GUI configuration screens.

After creating the new custom tab, custom fields can then be assigned to the custom tab via new tab dropdown. If left blank, the custom field will appear on the 'General' tab by default.

Configuration

File Tools

Check Configuration

Targets and Transport Paths Target Roles and Transport Schedules Classification Fields Administrators and Priority Approvers User Roles Planning Task Statuses Other

Text Fields: + - [icon]

Text Field	Status
<input checked="" type="checkbox"/> Backout Strategy	Optional

Mandatory Fields: [icon]

Field Name	Mandatory
<input checked="" type="checkbox"/> Group	No
<input checked="" type="checkbox"/> Transport Path	Yes
<input checked="" type="checkbox"/> Description	Yes
<input checked="" type="checkbox"/> Description of Chang	No
<input checked="" type="checkbox"/> Type	Yes
<input type="checkbox"/> Subject	Yes
<input type="checkbox"/> Group	Yes
<input type="checkbox"/> Priority	No
<input type="checkbox"/> Project	Yes
<input type="checkbox"/> Reference	Yes
<input type="checkbox"/> Tester	No
<input type="checkbox"/> Requirement Descript	No

Custom Fields: + - [icon]

ID	Field Name	Type	Status	Tab
<input type="checkbox"/> 512	Country	O	Optional	
<input type="checkbox"/> 514	Integrtn Testing not required	C	Hidden	
<input type="checkbox"/> 515	Regrss'n Testing not required	C	Hidden	
<input checked="" type="checkbox"/> 518	Date to Import	D	Optional	
<input type="checkbox"/> 520	Release Schedule	O	Hidden	
<input checked="" type="checkbox"/> 517	Time to Import	M	Optional	
<input type="checkbox"/> 519	Backout / Reversion Strategy	T	Optional	
<input type="checkbox"/> 513	GxP Critical	O	Hidden	
<input type="checkbox"/> 521	IT Stakeholders	S	Required	Key Stakeholders
<input type="checkbox"/> 522	Change Lead	U	Optional	Key Stakeholders
<input type="checkbox"/> 523	Solution Architect	U	Optional	Key Stakeholders
<input type="checkbox"/> 524	Project Manager	U	Optional	Key Stakeholders
<input type="checkbox"/> 525	Business Stakeholders	S	Required	Key Stakeholders
<input type="checkbox"/> 526	Solution Owner	U	Optional	Key Stakeholders
<input type="checkbox"/> 527	Process Owner	U	Optional	Key Stakeholders
<input type="checkbox"/> 528	Budget Owner	U	Required	Key Stakeholders

Custom Tabs: + - [icon]

Custom Tab Name
<input checked="" type="checkbox"/> Key Stakeholders

3.14. New TE Report: Risk Analysis

A new Risk Analysis report has been created to help identify transports containing objects contained in a specific set of risk groups.

This can be useful for enabling a retrospective analysis on changes made to critical objects / blacklists etc.

The new report is based on current Risk Guard group / template locking functionality.

It can be run in the backend of the Development system via transaction **/BTI/TE_RRISK_ANLSIS** (underlying program is /BTI/TE_RISK_ANALYSIS_TR)

Risk analysis			
Request/Task			
Status		to	
Owner		to	
Date		to	
Risk Group	<input checked="" type="checkbox"/>	to	

3.15. Integrations

3.15.1. JIRA Integration

ActiveControl 7.00 includes JIRA integration capability, this includes inbound, outbound and error logging.

Note that this functionality does still require some configuration to map Transport Espresso to your installation of JIRA. This activity falls outside of the scope of a standard TE implementation or upgrade, and is a chargeable activity which will require Basis Technologies technical resource working with a customer JIRA technical resource to setup the required integration, field mapping of standard and custom fields etc.

3.15.2. Cherwell Integration

ActiveControl 7.00 includes Cherwell integration capability.

Note that this functionality does still require some configuration to map Transport Espresso to your installation of Cherwell. This activity falls outside of the scope of a standard TE implementation or upgrade, and is a chargeable activity which will require Basis Technologies technical resource working with a customer Cherwell technical resource to setup the required integration, field mapping of standard and custom fields etc.

3.15.3. Footprints Integration

ActiveControl 7.00 includes Footprints integration capability.

Note that this functionality does still require some configuration to map Transport Espresso to your installation of Footprints . This activity falls outside of the scope of a standard TE implementation or upgrade, and is a chargeable activity which will require Basis Technologies technical resource working with a customer Footprints technical resource to setup the required integration, field mapping of standard and custom fields etc.

3.16. Minor Enhancements (7.00)

3.16.1. Auto generate task Reference number

As of ActiveControl 7.00, it is now possible to prepopulate the Reference field on the TE Business Task with a sequential number.

This is useful for customers that do not use another Change Management ticketing tool, and are looking for a way to generate a unique identifier for each Business Task within Transport Espresso.

It is possible to configure a 3-character prefix for the sequential number.

New Work Schedule Rule for Switzerland - Business Task

File Insert Settings

Save and Close Save File... Insert URL

General Key Stakeholders Additional Data User Assignments Related Transport Requests Test Results Planning Status & History Comments

Identification

Subject: New Work Schedule Rule for Switzerland

Reference: TE00000001

Project: BAU - Weekly Release (Week #1)

Classification

Priority: Normal

Type: Operational Change

Group: HR

Deployment Status: Deployment Complete

Planning Status:

Requirements Description:

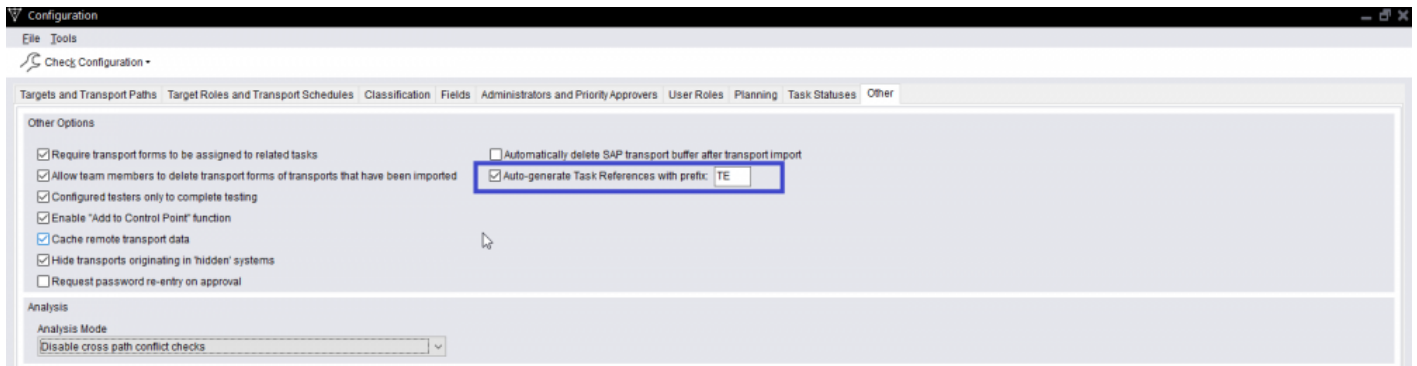
Country:

Backout / Reversion Strategy:

☐ Lock this task to prevent further transports being added to it

Configuration Steps

TE auto-referencing is setup via the **Other** tab in the TE Windows GUI configuration screen.



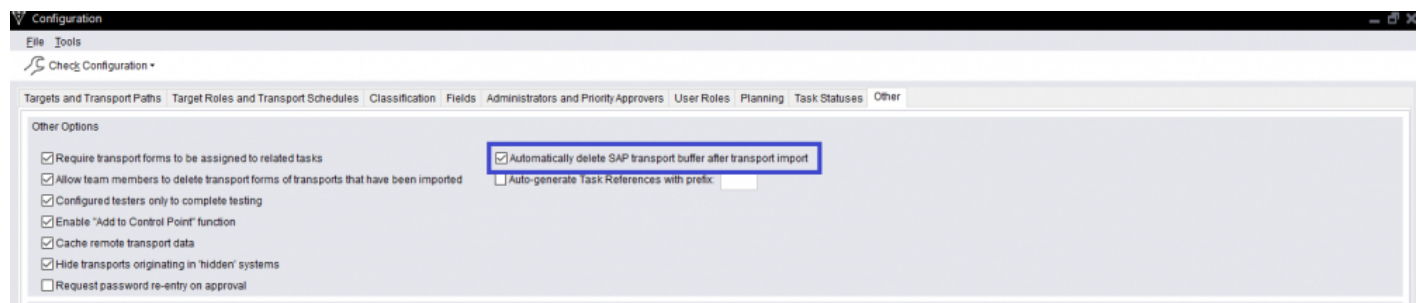
Please note that you need to 'tab' off the prefix field after entering the prefix value for it to be saved.

3.16.2. Delete buffer after transport import.

ActiveControl 7.00 allows you to automatically delete transports from the buffer when they are imported via Transport Expresso. In previous versions of Transport Expresso, the transport was left in the SAP buffer, some TE customers felt this added risk of a transport being accidentally re-imported later via STMS manually.

Configuration Steps

TE buffer deletion is setup via the **Other** tab in the Windows GUI configuration screen. it is a global setting across all SAP systems being managed via Transport Expresso.



3.16.3. Mass updates to custom fields

ActiveControl 7.00 introduces a new backend program that can be used to perform mass-updates on custom fields on Business Tasks or Transport Forms.

One example of where this can be useful is if you are maintaining a custom field on Business Task for the Production Release change ticket against which the Business Task will be delivered. Using this new program, you can update the ticket number on the selection of Business Tasks that are being delivered as part of that Production Release.

This new program is run via transaction /n/BTI/TE_MASSUPD_FLDS in the TE Domain Controller.

It is possible to perform a mass update on (i) Text Fields, (ii) Drop Down and (iii) Selection List custom fields.

The screenshot shows a dialog box titled "Mass update: Custom fields in business task and transport forms". It contains the following elements:

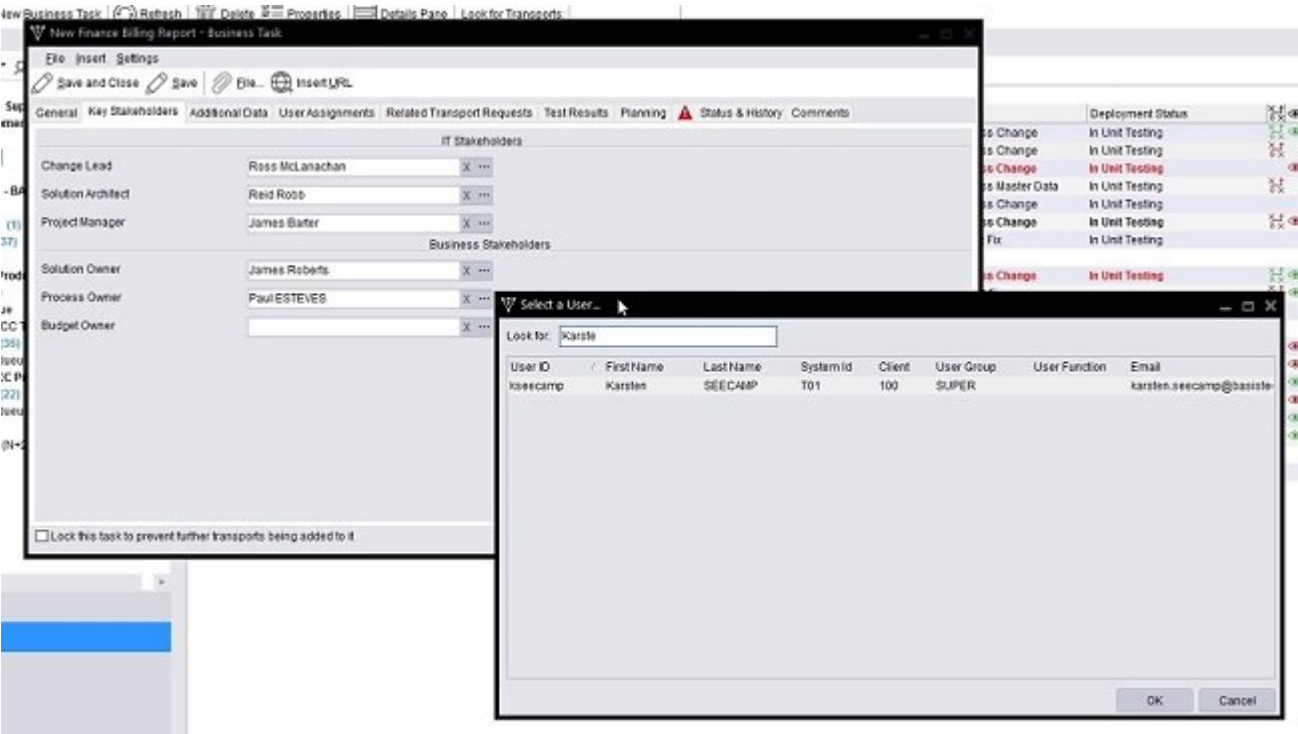
- A green checkmark icon in the top left corner.
- Two radio buttons: "Business Task reference" (selected) and "Transport forms".
- Two text input fields, one for each radio button, followed by a "to" label and another text input field.
- Two yellow arrow buttons (one pointing right, one pointing left) next to the "to" fields.
- A "Custom Field" dropdown menu, which is currently open and showing a yellow background.
- A "Possible Values" dropdown menu.
- A text input field labeled "Text less than 80 Chars".
- A checkbox labeled "Test mode".

3.16.4. Name selection custom field type

A 'Name Selection' field type has been added to Transport Espresso custom fields.

This field type has been added for customers that have been using text fields to record the names of people – eg 'Project Managers' or 'Key User' . Using a Name Selection field avoids the need to manually type out the users name (and the associated risk of typos / misspelling), with the additional benefit ithat the information can also potentially be used by other areas of Transport Espresso, for example custom user exits.

The selection of users originates from those that exist within SU01 within the Domain Controller system.



3.16.5. Include Manual Steps as part of 1:1 Merge

ActiveControl 7.00 introduces the ability to automatically migrate Manual Steps across as part of the Merge process.

This capability is available only on 1:1 Merge; it not relevant to the Consolidated Merge scenario.

Configuration Steps

Target Properties - BT Project development (merge) (D00)

GeneralImport OptionsImport Options IIInbox (Pending) ApproversOutbox ApproversAnalysis Types

Merge / Parallel Development Streams (Continued)

Destination portal web service port

Transport target for merge requests

Base DATE for portal conflict analysis10/11/2016

Base TIME for portal conflict analysis10:19:55

☐ Conflict analysis for portal objects

Merge Size1:1

Merge PathECC BAU / Production Support Path

Merge TypeMerge

Merge GroupMerge

☐ Stop on BW post-processing error

Merge Task

☒ For 1:1 merges automatically copy over transport form manual step details

On Error :Continue

Unconditional Modes

Automatically apply the following unconditional modes when importing a transport request into this target, regardless of what unconditional modes are specified on the transport form.

☒ 1. Import requests that have been imported before (always selected)

☒ 6. Overwrite objects in unconfirmed repairs

☒ 2. Overwrite original objects

☐ 8. Import customer table entries

Custom Processing

Pre-import logical command:

☐ Execute on the target SAP system

Post-import logical command:

☐ Execute on the target SAP system

OKCancel

3.17. Bug Fixes (7.00)

The following bugs have been addressed as part of ActiveControl 7.00

Please note that this is not an exhaustive list of bug fixes, it is intended as a summary of the main issues reported by existing customers.

Bug Summary	Notes
Released job not deleted when TE Schedule is unassigned to a Target	
Read-only tasks and TFs – could still edit custom fields	
Check for circular dependency fix	
Build List Transport Dependency Issue	
RFC auth. change in standard TE roles	
Add S_PATH to CTS roles	This is required for SCC1 automation to work.
Deep Impact Analysis – various fixes / performance optimisations	
Import methods should ignore manual activities	There was an issue where Manual Activity dummy transports were causing system errors during import of real transports.
Spurious dependency warnings on TOCs	Task Dependency check was incorrectly flagging an issue when a TOC correctly moved ahead of the original unreleased transport.

3.18. Installation and Upgrade Procedure (7.00)

ActiveControl 7/00 Upgrade

If the Windows GUI crashes after upgrade to ActiveControl 7.00, it may be a result of the new NetWeaver libraries.

Program `/BTI/TE_RFIX_NULL_FIELDS` should be run in the TE Domain Controller as part of an Upgrade to address/avoid these issues.

Resetting the TE Windows GUI after Upgrade

Before using the new Windows GUI the client registry settings must be reset.

This is done from the Windows GUI login screen. Before pressing **OK** hold down **SHIFT** and **CTRL** and press then the **OK** button.

Keep holding **SHIFT** and **CTRL** until the following message appears. Choosing **Yes** will perform the reset.

