

Value Increasing Documentation Excellence in Process & Application Documentation

A step-by-step approach to restructure your process and application documentation and establish an integrated testing, training and documentation repository

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Discovered pain points

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Why a solution on an integrated approach is urgently required?

Pain points – preventing from having the lowest T(otal)C(ost) of O(wnership):

- Companies and organizations are struggling in setting-up a clear and redundancy-free maintainable and always latest digital process and application documentation due to a missing approach and method
- This is causing the consequence that the more user generations are running an ERP-system the more the knowledge moves to the surface (fast handover instead of repeatable sustainable trainings)

Why is this?

- Identical business processes/ functions are documented several times for different purposes
- Application documentation is up-to-date after the initial implementation project and usually become outdated after the first changes have been applied to the system.
- Thus there is no reliable basic training for new employees (or a possibility for selfstudying) in the proper business processes and application handling and errors/ problems of understanding are multiplied one-to-one in handover sessions



How could this happen?

- Today the companies BPM usually is documented within a tool or Suite (MS-VISIO or any BPM-Suite)
- Created application documentation is not properly integrated into the BPM documentation and for this reason do exist redundant is both systems → Significant increase in workload and complexity in case of required updates
- This results in inconsistent, outdated documentation that is no longer accepted as a reliable source by the users. → Those may start to create their own documentation separately

What does it need to get started to eliminate ^{SAP} PERIENC those pain points? → Not that much!

- A tool for the Business Process Management documentation (most probably this does exist already in your company (VISIO or any BPM-Suite like i.e. ARIS, SIGNAVIO, ViFlow or the Symbio Suite)
- A state-of-the-art C_(omputer)B_(ased)T_(raining) authoring software like
 Datango or SAP's "Enable now"
- The approach and required facilitating tools to build a consistent and efficient combination of those two basic elements





How the future could look like

Achievements and Benefits



Achievements – Deliverables related

- A consistent set of integrated, aligned and redundance-free documentation deliverables:
- A completely developed Business Process Master List (BPML) showing the dependencies between external (market or customer driven) influences/events on your e2e processes
- The Business Process Management (BPM) documentation giving a complete overview on all tasks/ responsibilities to be performed to run your business (i.e. for certification purposes) independent from the application you are using to run those
- A set of computer based trainings (CBTs), which can be run in demo, train, test and navigation mode describing the application specific execution of the tasks within your BPM within the (different?) applications you are using to run those – the digital end-user-documentation (EUD)
- A complete set of evolutionary growing test scripts to run and manage efficient e2e oriented testing of all e2e process variants relevant to your business





Achievements – Maintenance related

- A completely developed view on your company from an end-to end process perspective or selected part of it on the basis of your choice
- A transparent and consistent Change-Management Process for your documentation that allows for actual and consistent updates in line with the changes in your processes or applications facilitated by the fact, that redundancy is absent, responsibilities are clearly defined and documentation updates are integrated part of the changes testing and release process
- And last but not least a recommendation and defined approach on how to create and manage the interrelations and link them together in a manner, that allows your editors to create and keep everything up-to-data with the lowest effort and your users to efficiently navigate through the created documentation and self-train themselves in case of changes



Benefits for your...

Authors

- Your BPM will be broken down to a defined and application independent level only and thus be easily kept actually up-to-date as changes in underlying applications will not be reflected in your BPM → The use of different applications (i.e. Oracle, Microsoft or SAP R/3 or S/4 HANA) does NOT need to be reflected within your BPM
- Your application specific end-user documentation and training material (CBTs) will be generated as a spin-off when test-running your end-to-end processes (and their to be tested variants) within the different applications and thus will be automatically updated by any integration test for new functions or regression testing of existing ones → The End-User-Documentation (EUD) will be kept always on an actual level based upon the build-in update and release approach
- This both will also lead to a clearly defined and split responsibility and defined way of collaboration between the responsibles for maintaining the BPM (your QM department?) and the EUD (your key-users or application experts?) and also lead to
 - a massive decrease on effort to be spent by your auditors to create and maintain the documentation (up to 80% savings) and thus allow them to keep it always on the newest level
 - a complete elimination of all efforts (and confusion) raised today by the fact, that parts of your process and/or application documentation are maintained redundantly
 - ...and you should also consider how the motivation of your auditors will increase facing these facts

And imagine, what it will mean to your support organization, if your users will be provided with such an self-learning and supportive environment; The Key-Users can focus on continuous improvement again



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Benefits for your...





- Your users will be provided with an environment where they can easily navigate though the processes and process parts relevant to them and on task level jump into the application specific CBTs relevant to their specific part of the organization, which will lead to:
 - A massive decrease in training efforts for new users when joining the company or changing the job
 - A massive decrease in the need for delta-trainings into new applications for your existing user community (i.e. when changing from any legacy to SAP or from SAP R/3 to S/4HANA) as they are able to review and self-study the task specific before (legacy) / after (new system) situation repetitively and always again when required
- There will be no loss of (background) knowledge anymore with each new user generation as all (new) end-users are trained and provided with the documentation to the same efficient level of depth and (self-) training and studying

And imagine, what it will mean to your users community, if they are realizing, that ALL training and documentation for ALL different applications and releases they are using in different parts of the organization are following THE SAME SIMILAR approach and logic and do have THE SAME look and feel with your Business Process Management as the overlaying navigator



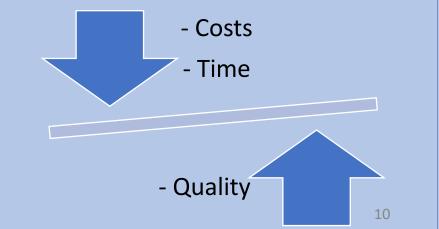
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What does is need to get it done

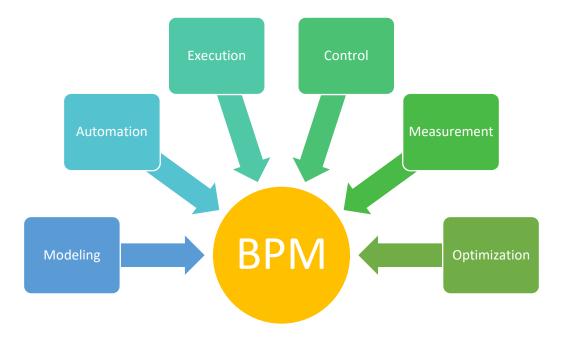
Method and recommended tools to create a Value Increasing Documentation Why is structured state-of-the-art documentation approach integrating Process-, Application and Testing documentation the key?

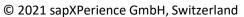
- It provides a central, standardized knowledge base, that is always up to date. Everyone is on the same level due to the lack of redundant documentation.
- A lot of time during the business day is spend with searching (e.g. forms or information) that could be used for more important tasks.
- The knowledge within the company is kept on a constantly increasing level. The risk of losing process- or application-knowledge if a trained employee leaves the company is minimized and newly joining colleges are trained on a similar or higher level like their predecessors.
- It allows a continuous improvement of the business processes integrating test- and documentation updates with the ones of system functions and processes



What is BPM?

- BPM stands for **B**usiness **P**rocess **M**anagement
- It is a management concept to control, adjust and optimize business processes.
- It includes the integration of the processes into the company structure.
- It allows the company to become more agile and adapt to changes more easily.
- The BPM usually is maintained within a flow-tool like VISIO or a BPM-Suite like SIGNAVIO or the Symbio Suite – we are recommending <u>SIGNAVIO</u> as it has been taken over by SAP recently and therefore should be a safe investment; In any case, SIGNAVIO is also able to import process flows in BPMN2 format into its suite)
- SAP AG provides the <u>best practice process flows of</u> <u>the current S/4 HANA release</u> in BPMN2 format and we offer them as download packages with vertical or converted with horizontal swimlanes in DE and EN for download in our digistore: <u>https://sapxp.ch/tools-overview-</u> <u>digistore24/?lang=en</u>





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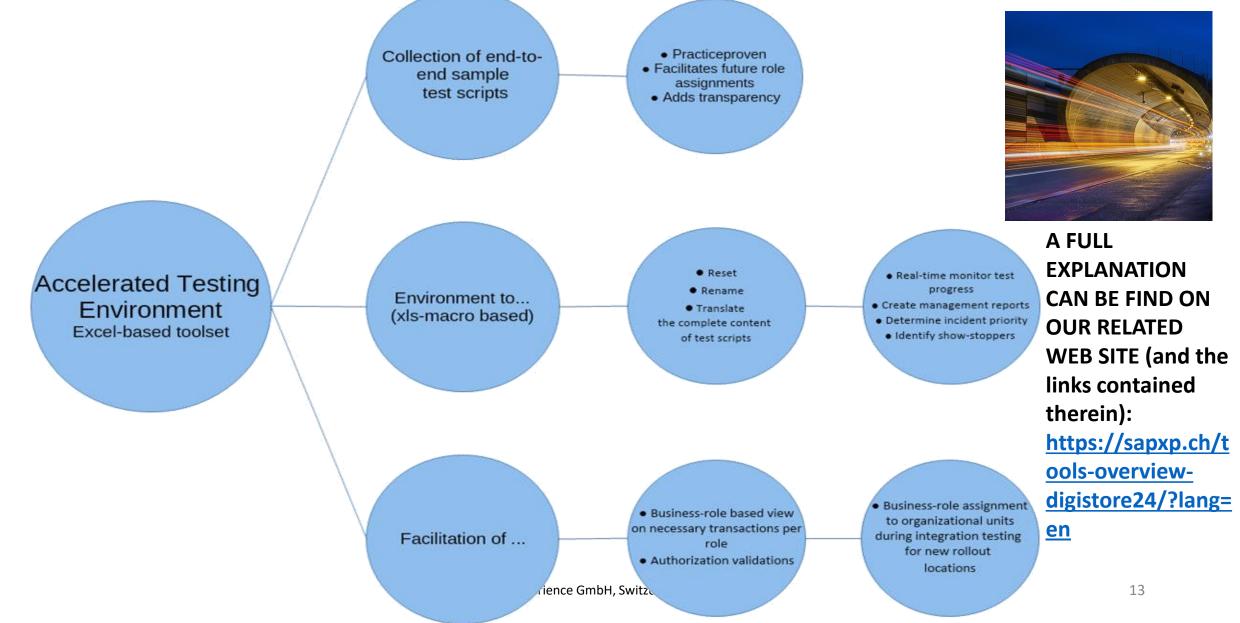


What is CBT?

- CBT (**C**omputer **B**ased **T**raining) allows old and new employees to get the same knowledge, easy and all in one place.
- It is self-educating, which means a shorter time of training from colleagues is needed.
- Expensive trainings can be reduced. Once the knowledge is in the business, everyone can profit from it.
- The training doesn't necessarily need to be text based. There is also the possibility of video training or simulations.
- CBT's are developed based upon the recordings performed with a state-of-the-art authoring software like SAP's enable now or Datango (feel free to contact us for a demo or quotation)



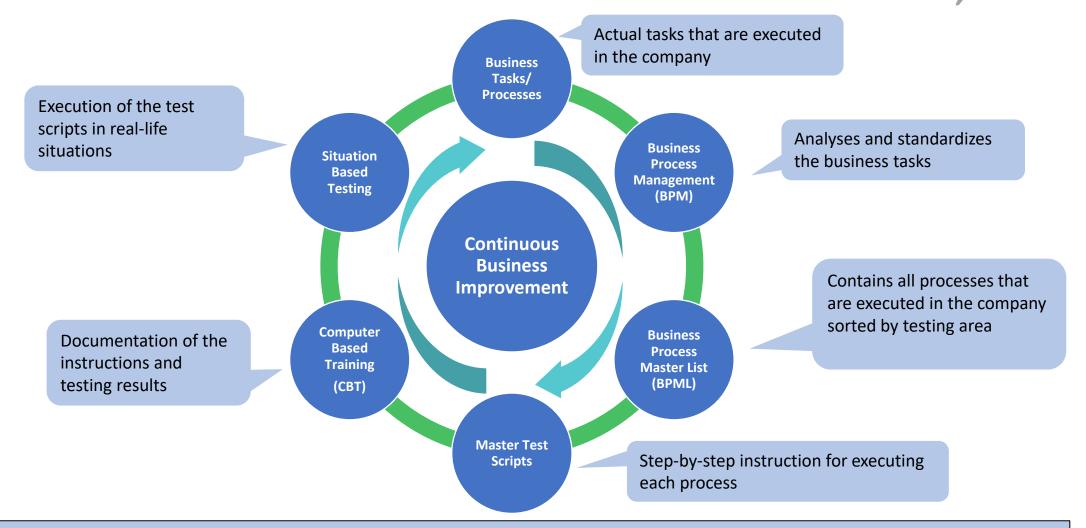
What is the "Accelerated Testing Environment" ?



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Interrelations between the tools mentioned



If an error or an abnormal situation occurs in any of these steps, it can be corrected and the change influences the other steps. Therefore the business processes are always up-to-date.

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| Optional |
|--|
| Use the HANA momentum. Use your S/4HANA implementation project to |
| build up your documentation |
| following the described approach in order to assure the best lifecycle |
| Return-on-Investment and lowest Total-Cost-Of Ownership |
| |



APPROACH – The 10 steps necessary to get there Explained step-by-step

ATTENANT AND A STREET

Overview



| Step 1 | • Build the company specific process house with the BPM and define the process naming and numbering conventions |
|---------|---|
| Step 2 | • Assign/map the e2e testing areas within the BPM process house |
| Step 3 | • Build the Business Process Master List (BPML) |
| Step 4 | • Create the Master-Test-Scripts for all e2e processes to be tested |
| Step 5 | • Combine Process-Steps to be executed in the applications into business tasks (sequence of steps to be executed by the same business-role at the same time) |
| Step 6 | • Create the repository of documentation containers for the CBTs |
| Step 7 | • Integrate the business tasks into the BPM process description |
| Step 8 | • Link from the business tasks in the BPM to the related CBTs |
| Step 9 | • Execute the master-test-scripts and record the CBTs per business task |
| Step 10 | • Create all to be tested process variants by replicating and adjusting the master-test-scripts and execute those (while recording additional CBTs, if specifically required) |

Build the company specific process house with the BPM and define the process naming and numbering conventions



What:

- Describe the specific Business Process Model including organizational functions, business roles and organizational units as required for certifications
- Define important roles within the release procedure of processes (i.e. process owners) and naming conventions for the items that are created

How:

- Divide the business areas into process areas and within those break down the processes into the different business tasks to be executed
- Mark Business Tasks to be executed in any application with a specific shape (shapes may differ by application type like ERP, CAD, Office, but should not be application specific)

Tool to be used:

Any BPM tool or better BPM suite – your existing solution or evaluate a new one (you can refer to this overview provided in the www). We are recommending <u>SIGNAVIO</u> as it has been taken over by SAP recently and therefore should be a safe investment; In any case, SIGNAVIO is also able to import process flows in BPMN2 format into its suite)

Important principles:

- Follow the common building principles and distinguish on the highest level between Management-, Value-Creating- and Supporting processes
- Make sure the lowest level of sub-processes (or business tasks) will remain application independent

Starting with:

• Either rework your existing process model according to these principles or build a new one starting with a common model

Accelerators provided by sapXP:

- Example proposals for definitions, naming conventions, business role models and basic process models
- SAP AG provides the best practice process flows of the current S/4 HANA release in BPMN2 format and we offer them as download packages with vertical or converted with horizontal swim lanes in DE and EN for download in our digistore: https://sapxp.ch/tools-overview-digistore24/?lang=en

Final result

The company business process model is completely defined within the BPM Suite individually for each company. \rightarrow It can serve as a process guidebook for certifications and trainings.



Sample:



Process-House within the in BPM System

Idea

Management

Management Processes Strategic Planning Financial Planning Rick & Com



Supporting Processes

| Quality | Enviroment, Health | Intellectual Capital | Human Capital | Financial | IT Management |
|-----------------------|--------------------|---------------------------|---------------------------------|-------------|-----------------|
| Management | & Safety | Management | Management | Management | |
| Process Management | Communication | Real Estate Management | Administration & Infrastructure | Procurement | Operating Rules |



• Assign/map the e2e testing areas within the BPM process house



What:

In order to have a clearly defined start and end for each of the processes relevant for application, testing it is necessary to map or assign the application specific e2e process testing areas against the processes defined within the defined BPM process house

How:

Assign the different e2e testing areas to the building blocks within the business model

Tool to be used:

Can be documented within or even also outside the BPM-Suite

Important principles:

- Document the assignment in the field within the BPM-Tool that can be used for reporting
- Ensure that the assignment happens for all processes containing application supported business tasks

Starting with:

• The defined business model (reworked to the principles according to step 1)

Accelerators provided by sapXP:

- Defined end-to-end testing areas with start/ end and definition/ description of the covered business functions
- Remote training and coaching sessions for those employees that are in duty to execute this step, i.e. BPM Auditor and Application Managers jointly

Final result

Transparency on the assignment of the different processes within the specific business model to the e2e testing areas \rightarrow This will provide consistency when creating the e2e master test scripts



End-to-End testing areas (ERP-System)

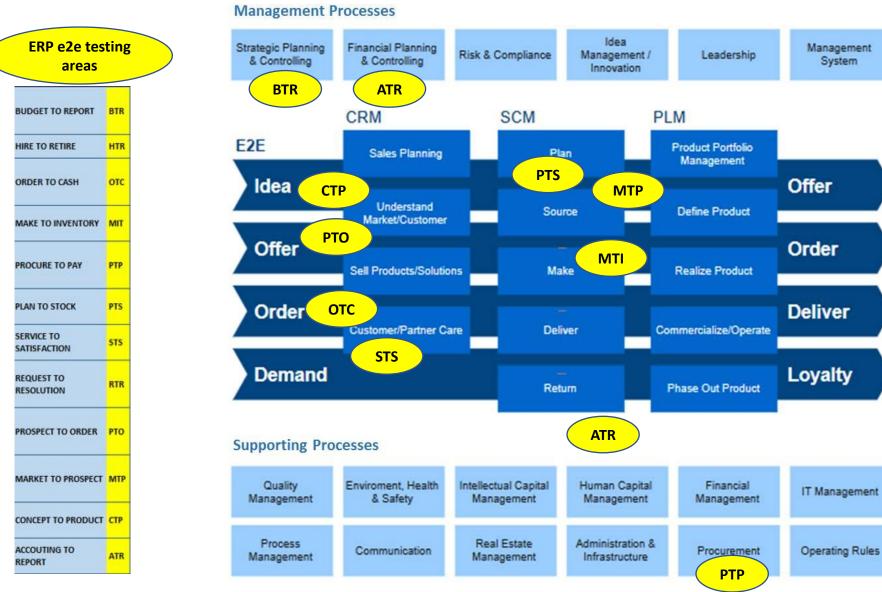


| End-to-End testi | ing | | | | |
|--------------------|--|------------------------|--|--|-----------------------------------|
| area | - | START 🚽 | END | DEFINITION | Support by SAP@Borger |
| | | | | Budget to Report encompasses all business functions necessary to identify, | CO (-OM; -PA; PCA) |
| RUDGET TO REDORT | ртр | Budget proparation | As-Is versus Budget | collect, measure, accumulate, analyse, interpret, and communicate cost | PC |
| BODGET TO REPORT | DIK | budget preparation | analysis | information to accomplish the many objectives associated with control, | SAP-BI |
| | | | | decision making, planning, and reporting. | |
| HIRE TO RETIRE | HTR | HR Budget | employee retired | Hire to Retire encompasses all Business functions necessary to plan for, hire, | HR |
| | | in buuget | cinployee retired | develop, assign, sustain, and separate personnel resources. | |
| | | | | Order to Cash encompasses all business functions necessary to accept and | SD (-MD; -SLS; -SHP; -TR; -BIL; - |
| ORDER TO CASH | OTC | Customer Inquiry | cleared customer item | process customer orders for parts or machines. This includes such functions | EDI) |
| Choen to chom | one | customer inquiry | (FI) | as managing customers, accepting orders, prioritization of orders, fulfilling | LE |
| | | | | orders, performing distributions, managing receivables, and managing cash | |
| | | Mat. Requirement to be | produced finished good | Make to Inventory encompasses all business functions to produce machines | PP (-SFC; -KAB; -REM) |
| MAKE TO INVENTORY | MIT | - | | and parts. This includes process like make to order, make to stock, production | QM |
| | | produccu | on stoor | supply or production order controlling. | |
| | | Mat. Requirements To | | | MM (-PUR; -EDI) |
| PROCURE TO PAY | ртр | | cleared vendor item (EI) | and services. This includes such functions as requirements identification, | QM |
| FROCORE TO FAI | | | cicarca venuor nem (ri) | sourcing, contract management, purchasing, payment management, and | |
| | | or ould j | | receipt/debt management. | |
| | | | Material Requirements | Plan to Stock encompasses all functions around strategis, tactical and | PP (-MRP) |
| PLAN TO STOCK | PTS | Sales Forecast | • | operational planning with all business scenarios. This area should ensure | MM (-IM; -CBP) |
| | | | | that all material is available at the right time with the right quantity. | WM |
| SERVICE TO | | to be serviced item @ | Analysis on customer | Service to Satisfaction encompasses all business functions necessary to | CS |
| SATISFACTION | STS | - | | determine service requirements from customers and execute measures to | |
| | | Casconner | Saciona Crom | customer satisfaction. | |
| | | | | Request to Resolution ist the process of performing maintenance on | PM |
| REQUEST TO | RTR | to be serviced item @ | maintained tools and | materiel/assets requiring repair or complete rebuild of parts, assemblies, | |
| RESOLUTION | | ownAssets | assets | subassemblies, and end-items, including the manufacture of parts, | |
| | | | | modifications, testing, and reclamation as required. | |
| | | | | Prospect to Order encompasses all business functions necessary to generate | SD-CAS |
| PROSPECT TO ORDER | РТО | qualified lead | customer inquiry | and sustain sales by pursuing qualified leads, employing effective sales | (SAP-CRM) |
| | | | | techniques, efficient order processing, maintaining customer relationships, | |
| | | | | and providing support functions to include service, personnel, and financial | |
| | | | identified potential | Market to Prospect encompasses all business functions necessary to | |
| MARKET TO PROSPECT | MTP | Marketing measures | | establish marketing plans, identify target markets, plan and define marketing | |
| | | 9 | | campaigns, execute marketing campaigns, and evaluate the performance of | |
| | | | , , | marketing campaigns. | |
| | | | created master data | Concept to Product encompasses all business functions necessary to | PS |
| CONCEPT TO PRODUCT | СТР | Idea | required for production | effectively identify product needs, and plan and execute all necessary | SAP-PLM? |
| | | | | activities to bring a product from initial concept to full production. | |
| ACCOUTING TO | areaSTARTRNDET TO REPORTBTRBudget preparationAs-Is versus Budget analysisO RETIREHTRHR Budgetemployee retiredA TO CASHOTCCustomer Inquirycleared customer iter (FI)TO INVENTORYMITMat. Requirement to be producedproduced finished god on stockJRE TO PAYPTPMat. Requirements To be procured (from MRP or other)cleared vendor item (TO STOCKPTSSales ForecastMaterial Requiremen (from MRP)CE TO GACTIONSTSto be serviced item @ ownAssetsAnalysis on customer satisfactionEC TO ORDERPTO Qualified leadcustomer inquiryET TO PROSPECTMTP Marketing measuresidentified potential customer requiremen (qualified lead)ET TO PRODUCTCTP IdeaIdeacreated master data required for production | | Accounting to Report encompasses all business functions necessary to plan, | FI | |
| REPORT | ATR | | External Reporting | formulate, create, execute against and report on the budget and business | |
| | | | | activities of the entity. This includes updates to the general ledger. | |

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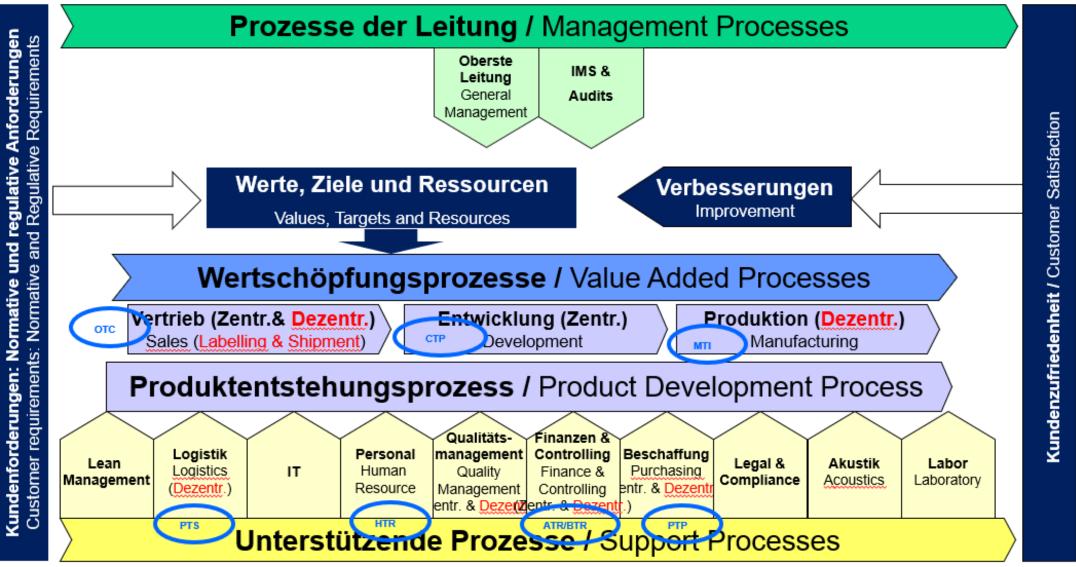
Mapping of typical ERP e2e testing areas to the process house





Another mapping sample







Build the Business Process Master List (BPML)



What:

 Mapping of the required application specific e2e application processes & variants (application specific terms) per e2e testing area against the different (market or customer driven) business processes/ occurrences within the company (business specific terms)

How:

- List all different real-life business processes/ occurrences required by the customers in the columns and provide one concrete typical real-life example (i.e. Customer/ material combination)
- List the different e2e testing areas as sub-header-lines in the rows; list the different application processes in use in the application system thereunder
- Within the matrix mark the valid combinations of business processes and application processes with a "x"

Tool to be used:

BPML in MS-Excel

Important principles:

• No different processes should appear in the columns other than driven by the market or customers as they may create the need for additional application processes; the usage of different application processes disconnected from the customer interface is (i.e. discrete or repetitive manufacturing) up to the individual decision within the company and thus not directly derived from any external influence

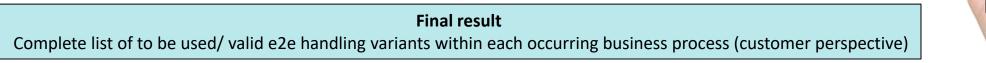
Starting with:

- Sample BPML
- Identified e2e testing areas to be addressed within the application

Accelerators provided by sapXP:

- Sample BPML
- Remote training and coaching sessions for those employees that are in duty to execute this step, i.e. Business Process Experts & Application Managers jointly

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Sample Business Process Master List (BPML) – Structure

| Basic Business Process | Globale Festlegungen Sample Einzelverkauf zu Einzelbestellur Träger na Dagro (0046845, 43 Einzelverkauf zu Einzelbestellur Träger na Dagro (0046845, 43 Regulärer LAB/FAB Prozess mit GTI HTB hinten nach BOS (00699; Regulärer LAB/FAB Prozess mit GTI HTB hinten nach BOS (00699; Regulärer LAB/FAB Prozess mit GTI HTB Durchlade nach Volvo (006; Regulärer LAB/FAB Prozess mit GTI HTB Durchlade nach Audi (00 JIS Abwicklung mit Perlenkette HTB Durchlade nach Audi (00 JIS Abwicklung mit Perlenkette HTB Durchlade nach Audi (00 JIS Abwicklung mit Perlenkette HTB Durchlade nach Porsche (006) Luhnbearbeitung mit Perlenkette HTB Durchlade nach Porsche (006) Regulärer LAB/FAB Prozess Fo Koffermatte nach Ford (00808 Regulärer LAB/FAB Prozess Fo Koffermatte nach Ford (00808 Regulärer LAB/FAB Prozess mit Zoll F25 Klappe nach Brow (00794 Regulärer LAB/FAB Prozess mit Zoll F25 Klappe nach Brow (00794 Regulärer LAB/FAB Prozess mit Zoll F25 Klappe nach Brow (00794 Auslieferauftrag mit ETI9 (inkl. c Touran na Valeo (0074465, 45 Auslieferauftrag mit Li Prozens mit Zoll Auslieferauftrag mit Li Prosen reach Ford FCOS Muster LAB/FAB Prozess mit BEL Nonsnik B6 Combi nach %oda Auslieferauftrag mit CI Nosnik B6 Combi nach |
|------------------------|--|
| | Globale Festl Globale Festl Customer Pro Customer Pro Customer Pro Regulärer LAB/F |

| | | Ŧ | - | • • | - | - | • | • • | v 1 | r 🔻 | - | r 🛛 🔻 | - | • | - | • | - | • | / v v |
|------------|---|---|---|-----|---|---|----------|-----|------------|-----|----|-------|---|----------|---|----------|---|----------|--------------|
| OTC | Order-to-Cash | | | | | | | | | | | | | | | | | | |
| SA-0TC-010 | Sales Order Processing Materials | | | Х | | | | | | | | | | | | | | | |
| SA-0TC-013 | Sales Order Processing Tools | | | | | | | | | | | | | | | X | | | |
| SA-OTC-016 | Sales Order Processing Services | | | | | | | | | | | | | | | | Х | | |
| SA-OTC-020 | Third-party-orders / Drop shipments | | | | | | | | | | | | | | | Х | | Х | |
| SA-OTC-030 | scheduling agreement release (LAB only) | | | | | Х | | | | | | Х | Х | | | | | | |
| SA-OTC-030 | scheduling agreement release (only LAB / FAB) | | | | Х | | | | | | ХХ | [| | | | | | | |

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ensuring

Sample



Business Process Master List (BPML) – Application Processes

LO-ATR-070

Physical inventory

| Order-to-Cash | | Make-to-Inventory |
|---|---|---|
| Sales Order Processing Materials | ME-MTI-010 | Discrete manufacturing |
| | | Repetitive Manufacturing |
| | | Pre-Produciton in another plant |
| | | Joint production |
| | | KANBAN processing |
| | | Rework processing |
| | | Sample production |
| | | master data maintenance - warehouse management |
| scheduling agreement release with delivery order (PUS-JIS | | Storage process goods receipt |
| scheduling agreement release with JIT call (MAB-JIS) | | internal replenishment |
| Scheduling Agreements with consignment EDL | | cross plant replenishment |
| Scheduling Agreements with pearl necklace | | cross plant replenishment (from central raw material storage) |
| | | corss plant returns |
| | | Management of blocked stock |
| | | inspection during production process the Firewall |
| | | Procure-to-Pay |
| | | Purchase Request processing |
| | | Procurement into stock (Single purchase) |
| | | Procurement into consumption |
| | | Procurement of Services |
| Customer returns | | Subcontract order processing |
| Budget-to-Report | QM-PTP-010 | Returns processing |
| Product Costing | QM-PTP-020 | quality inspection for the receiving department |
| Investment Managment | SC-PTP-010 | Procurement based on scheduling agreements and quotation (for production) |
| Overhaed Management | SC-PTP-010 | Procurement based on scheduling agreements (for production) |
| | | |
| | RTR | plant maintenance |
| - · · | PM-RTR-010 | preventative maintenance |
| | PM-RTR-020 | repairs |
| - | | |
| | | |
| | | |
| On all an elister | | |
| Cash register © 20 | 021 sapXPerience GmbH, Switzerland | 26 |
| | Sales Order Processing Materials Sales Order Processing Tools Sales Order Processing Services Third-party-orders / Drop shipments scheduling agreement release (LAB only) scheduling agreement release (only LAB / FAB) scheduling agreement release with delivery order (PUS) scheduling agreement release with delivery order (PUS-JIS) scheduling agreement release with JIT call (MAB-JIS) Scheduling Agreements with consignment EDL Scheduling Agreements with pearl necklace Scheduling Agreements with subcontracting EDL Scheduling Agreements with NLK time slice Scheduling Agreements with niventory control VMI Credit and debit-note processing Credit and debit-note processing for quantity differences Credit and debit-note processing for quantity and value diff Customer returns Budget-to-Report Product Costing Investment Managment Overhaed Management Period end Closing Accounting-to-Report Asset Management Accounts Payables Accounts Receivable Banks General Ledger Cash register | Sales Order Processing Materials ME-MTI-010 Sales Order Processing Tools ME-MTI-020 Sales Order Processing Services ME-MTI-030 Sales Order Processing Services ME-MTI-040 Third-party-orders / Drop shipments ME-MTI-040 Scheduling agreement release (LAB only) ME-MTI-060 scheduling agreement release (tAB only) ME-MTI-060 scheduling agreement release (with delivery order (PUS) LO-MTI-075 scheduling agreement release with delivery order (PUS-JIS) LO-MTI-010 scheduling Agreements with consignment EDL LO-MTI-020 Scheduling Agreements with consignment EDL LO-MTI-020 Scheduling Agreements with subcontracting EDL QM-MTI-020 Scheduling Agreements with subcontracting EDL QM-MTI-020 Scheduling Agreements with inventory control VMI QM-MTI-020 Scheduling Agreements with nuentory control VMI QM-MTI-020 Credit and debit-note processing for quantity differences PR-PTP-010 Pretro-000 PR-PTP-010 Credit and debit-note processing for quantity and value differences PR-PTP-040 Questment Management Sc-PTP-010 Overhaed Management Sc-PTP-010 Produ |



• Create the Master-Test-Scripts for all e2e application processes \rightarrow Master test cases

What:

• Test-scripts are showing the sequence of the steps to be performed within the application including the assigned business role and the to be used master data during test execution

How:

• For each row in the BPML at least one test script is created starting with the templates and sample scripts provided by us

Tool to be used:

• The most pragmatic way to document and manage testing is to use the MS-Excel based test-scripts and testing environment provided by sapXP. Please refer to the respective amendment in this presentation for further details.

Important principles:

Test-scripts can be finally completed and adjusted during the test-runs, thus it is not necessary to try to create a 100% solution initially; a good, almost complete, even rough first draft is fine for the beginning

Starting with:

• Test-script samples

Accelerators provided by sapXP:

- sapXP accelerated testing environment an Excel based toolset consisting of:
 - A collection of end-to-end sample-test-scripts proven in practice and which is facilitating the future role assignment within the organization and thus also brings transparency into the required organizational change
 - An environment to reset, rename and translate the complete content of the test scripts (xls-macro based; facilitating central repositories and different translation methods
 - An environment to real-time monitor test-progress, create management reports and identify show-stopping incidents (xls-macro based)
- Remote training and coaching sessions for those employees that are in duty to execute this step, i.e. Business Process Experts & Application Managers jointly

Final result:

→ It is recommended to completely run through this test in order to verify the correctness and completeness of the scripts created or adjust them accordingly before replicating errors into the test-variant scripts (see step 10)





Sample Test script

| End-to | o-End | Make-To-Inventory | | | | | | |
|--------|------------------|--------------------------|---|---|---------|------------------|----------|-----------|
| Funct | ion group | PP | | | | | | |
| Test c | ase | ME-MTI-010_01_EN_Discre | te Manufacturing HU | | | Analysis steps | | |
| Repor | nsible | | | | | Overall | 16 | |
| • | | | | | | E - Successful | 0 | 0 |
| Status | Date | 15.07.2016 | | | | U - Unclear | 0 | 0 |
| | | | | | | F - Fault | 0 | 0 |
| | | | | | | O - Open | 16 | 100 |
| Team | Step Number | Business Role | Process Step | Test Data | TCODE | Document created | Status | Tested by |
| Ŧ | | | • | - | | | • | [|
| MTI | ME-MTI-010-16-01 | 104 - Operation planner | Check work center | Tested: Plant XX01; Workplace: 7500A25; 7500A45; | CR03 | | 0 | |
| MTI | ME-MTI-010-16-02 | 104 - Operation planner | Check routing | Tested: Plant XX01; Material 10003967 | CA03 | | 0 | |
| ITN | ME-MTI-010-16-03 | 104 - Operation planner | Check material BOM | Tested: Plant XX01; Material 10003967 | CS03 | | 0 | |
| MTI | ME-MTI-010-16-04 | 104 - Operation planner | Check production versions | Tested: Plant XX01; Material 10003967 | MM03 | | 0 | |
| MTI | ME-MTI-010-16-05 | 104 - Operation planner | Material master work scheduling - view | Tested: Plant XX01; Material 10003967 | MM02 | | 0 | |
| MTI | ME-MTI-010-16-06 | 104 - Operation planner | Check palletization data material master, these data are used in the transport order | Tested: Plant XX01; Material 10003967 | MM02 | | 0 | |
| MTI | ME-MTI-010-16-07 | 104 - Operation planner | Check packing instruction | Tested: Plant XX01; Material 10003967 | POP3 | | 0 | |
| MTI | ME-MTI-010-16-08 | 104 - Operation planner | Packing instruction - check determination record | Tested: Plant XX01; Material 10003967 | POF3 | | 0 | |
| ITN | ME-MTI-010-16-09 | 105 - Production planner | MRP Single-Item, Multi-Level | Tested: Plant XX01; Material 10003967 | MD02 | | 0 | |
| MTI | ME-MTI-010-16-10 | 105 - Production planner | Convert planned order in production order | Tested: Plant XX01; Material 10003967 | MD04 | | 0 | |
| MTI | ME-MTI-010-16-11 | 106 - Shift-Leader | Print order PrOrd-paper | Tested: Plant XX01; Material 10003967 | CO02 | | 0 | |
| ITN | ME-MTI-010-16-12 | 107 - Production worker | Confirm operation with the new transaction on the scanner | Movement: XX01; Material 10003967; RM No: 258123 | YRFPP01 | | 0 | |
| ITN | ME-MTI-010-16-13 | 107 - Production worker | Print HU - Label | | YRFPP01 | | 0 | |
| ITN | ME-MTI-010-16-14 | 107 - Production worker | Confirmation scrap | Movement: XX01; Material 10003967; RM No: 258123 | YRFPP01 | | 0 | |
| MTI | ME-MTI-010-16-15 | 105 - Production planner | Complete order | Movement: XX01; Material 10003967; | COOIS | | 0 | |
| MTI | | 105 - Production planner | Check goods movements | Movement: XX01: Material 10003967: | COGI | | 0 | |

Sample Repository of master test scripts



| 💐 Txxx-ME-MTI-010_01_EN_Discrete Manufacturing_HU.xlsx | 💐 Txxx-SA-OTC-016_01_EN_Service Sale.xlsx |
|---|---|
| Txxx-ME-MTI-020_01_EN_Repetitive Manufacturing.xlsx | 💐 Txxx-SA-OTC-020_01_EN_Third-Party Order Processing.xlsx |
| Txxx-ME-MTI-040_01_EN_Processing Set Tools.xlsx | 💐 Txxx-SA-OTC-030_03_EN_Scheduling Agreement Releases (only LAB) - Odette.xlsx |
| 💐 Txxx-ME-MTI-050_01_EN_KANBAN-Processing.xlsx | 🛂 Txxx-SA-OTC-030_05_EN_Sales of ROH (Return Transfers).xlsx |
| Txxx-ME-MTI-060_01_EN_Rework processing_HU.xlsx | 🜉 Txxx-SA-OTC-035_01_EN_Scheduling Agreement Releases (LABFAB) - Odette.xlsx |
| 💐 Txxx-ME-MTI-080_01_EN_Samples_Production.xlsx | 💐 Txxx-SA-OTC-040_01_EN_Scheduling Agreement Releases with Delivery Order (PUS) - GM GTL.xlsx |
| Txxx-ME-MTI-090_01_EN_MIN_MAX_PVB.xlsx | 💐 Txxx-SA-OTC-050_01_EN_Delivery Schedule with Consignment EDL.xlsx |
| 💐 Txxx-PM-RTR-010-001_EN_preventive maintenance.xlsx | 💐 Txxx-SA-OTC-070_01_EN_Delivery Schedule with Subcontracting EDL.xlsx |
| 💐 Txxx-PM-RTR-010-003_EN_other measures.xlsx | 💐 Txxx-SA-OTC-100_03_EN_Credit and Debit Memos for Quantity and Value Variances.xlsx |
| 💐 Txxx-PM-RTR-010-004_EN_Investments.xlsx | 💐 Txxx-SA-OTC-110_01_EN_Customer Returns with physical goods return.xlsx |
| 💐 Txxx-PM-RTR-020-002_EN_Repairs.xlsx | 💐 Txxx-SA-OTC-110_02_EN_Preference Determination.xlsx |
| X Txxx-PM-RTR-050-001_ENReporting.xlsx | 💐 Txxx-SC-PTP-010_01_EN_Procurement Using Scheduling Agreements (for production).xlsx |
| 💐 Txxx-PM-RTR-060-001_EN_Master_Data.xlsx | 💐 Txxx-SC-PTP-010_01_EN_Procurement Using Scheduling Agreements and Quota Arrangement (for production).xlsx |
| 🛿 Txxx-PR-PTP-020_01_EN_Procurement to Stock (Single Purchase)_Vendor outside EU.xlsx | 🔯 Txxx-AC-ATR-020-01_EN_Accounts Payable.xlsx |
| 🛿 Txxx-PR-PTP-020_02_EN_Procurement to Stock (Single Purchase) of EU-Vendors.xlsx | 🔯 Txxx-AC-ATR-030-01_EN_Accounts Receivable.xlsx |
| XI Txxx-PR-PTP-040_01_EN_Procurement into Consumption.xlsx | 🔯 Txxx-AC-ATR-040-01_EN_Bank Accounting.xlsx |
| X Txxx-PR-PTP-050_01_EN_Procurement of Services.xlsx | 🔯 Txxx-AC-ATR-050-01_EN_General Ledger Accounting_DE.xlsx |
| 🛛 Txxx-QM-MD-001_01_EN_Master Data.xlsx | 🔯 Txxx-AC-ATR-060-01_EN_Cash Journal.xlsx |
| 🛿 Txxx-QM-MD-002_01_EN_Inspection Plan_GR.xlsx | 🔯 Txxx-CO-BTR-010_01_EN_Product Costing.xlsx |
| 🛿 Txxx-QM-MD-003_01_EN_Inspection Plan_Production.xlsx | 🔯 Txxx-CO-BTR-020_01_EN_Invest Management.xlsx |
| 💐 Txxx-QM-MD-004_01_EN_Master Data for Test Equipment.xlsx | 🔯 Txxx-CO-BTR-030_01_EN_Overhead Cost Controlling.xlsx |
| 🛿 Txxx-QM-MTI-020_01_EN_Management of the Blocked Stock.xlsx | 🔯 Txxx-CO-BTR-040_01_EN_Period-End Closing Controlling.xlsx |
| | 🔯 Txxx-LO-ATR-070_01_EN_Physical Inventory_IM.xlsx |
| | 🔯 Txxx-LO-ATR-070_02_EN_Inventory_WM.xlsx |
| | XIII Txxx-LO-MTI-010 01 EN Putaway Process Goods Receipt BORGR 1 xlsx |



• Combine Process-Steps to be executed in the applications into business tasks

What:

• Within this step the logical connection between the application and the BPM documentation is defined by combining the steps executed within the application into business tasks which are represented within the BPM documentation

How:

 The created test scripts are simplified (and verified within a first test-run) and can use a very simple approach at a first attempt: ALL APPLICATION STEPS WHICH ARE EXCECUTED BY THE SAME PERSON (BUSINESS ROLE) IN A SEQUENCE AT THE SAME TIME CAN BE COMBINED INTO A BUSINESS TASK THAT IS REPRESENTED IN THE BPM

Tool to be used:

 MS-Excel based test scripts. If sapXP's accelerated testing environment is in use, a view can be created and used across all test scripts created so far

Important principles:

• Do not name a business tasks within the BPM with an application specific term in order to remain on an application independent level within the BPM documentation

Starting with:

• Test scripts created (and verified within a first test-run)

Accelerators provided by sapXP:

- Accelerated testing environment
- Remote training and coaching sessions for those employees that are in duty to execute this step, i.e. Business Process Experts & Application Managers jointly



Final result

Upon finalization of this step a complete inventory/mapping of the steps to be executed within the application against the related business tasks within the BPM system is created. As in our system the business tasks are also defining the names of the related documentation containers, wherein the related CBT's for handling the tasks in the different applications can be found, the involved employees can work simultaneously from now on:

The QM-Department to complete the BPM documentation (Step 6) (including links to the related documentation containers from each business task (Step 7 & 9) and the key-users to run tests, create the CBTs for all involved transactions and systems and fill the documentation containers (step 8)



Sample



Combine Process-Steps

| Team | Step Number | Business Role | Process Step | Test Data | TCODE |
|------|------------------|--------------------------|---|---------------------------------------|----------|
| | | | | | 10002 |
| - | • | - | · | | • |
| MTI | ME-MTI-010-16-01 | 104 - Operation planner | Check work center | Tested: Plant XX01; Workplace: | CR03 |
| | | | | 7500A25; 7500A45; | |
| MTI | ME-MTI-010-16-02 | 104 - Operation planner | Check routing | Tested: Plant XX01; Material 10003967 | CA03 |
| MTI | ME-MTI-010-16-03 | 104 - Operation planner | Check material BOM | Tested: Plant XX01; Material 10003967 | CS03 |
| MTI | ME-MTI-010-16-04 | 104 - Operation planner | Check production versions | Tested: Plant XX01; Material 10003967 | MM03 |
| MTI | ME-MTI-010-16-05 | 104 - Operation planner | Material master work scheduling - view | Tested: Plant XX01; Material 10003967 | MM02 |
| | | | | | |
| MTI | ME-MTI-010-16-06 | 104 - Operation planner | Check palletization data material master, | Tested: Plant XX01; Material 10003967 | MM02 |
| | | | these data are used in the transport order | | |
| MTI | ME-MTI-010-16-07 | 104 - Operation planner | Check packing instruction | Tested: Plant XX01; Material 10003967 | POP3 |
| MTI | ME-MTI-010-16-08 | 104 - Operation planner | Packing instruction - check determination record | Tested: Plant XX01; Material 10003967 | POF3 |
| MTI | ME-MTI-010-16-09 | 105 - Production planner | MRP Single-Item, Multi-Level | Tested: Plant XX01; Material 10003967 | MD02 |
| MTI | ME-MTI-010-16-10 | 105 - Production planner | Convert planned order in production order | Tested: Plant XX01; Material 10003967 | MD04 |
| MTI | ME-MTI-010-16-11 | 106 - Shift-Leader | Print order PrOrd-paper | Tested: Plant XX01; Material 10003967 | C002 |
| MTI | ME-MTI-010-16-12 | 107 - Production worker | Confirm operation with the new transaction on the scanner | Movement: XX01; Material 10003967; | YRFPP01 |
| | | | | RM No: 258123 | |
| MTI | ME-MTI-010-16-13 | 107 - Production worker | Print HU - Label | | YRFPP01 |
| MTI | ME-MTI-010-16-14 | 107 - Production worker | Confirmation scrap | Movement: XX01; Material 10003967; | YRFPP01 |
| | | | | RM No: 258123 | |
| MTI | ME-MTI-010-16-15 | 105 - Production planner | Complete order | Movement: XX01; Material 10003967; | COOIS |
| MTI | ME-MTI-010-16-16 | 105 - Production planner | Check goods movements | Movement: XX01; Material 10003967; | COGI |

Packing the steps into 5 to be distinguished business tasks (also our CBT documentation containers):

- 1. Check production master data
- 2. Execute production planning
- 3. Prepare production execution
- 4. Confirm production
- 5. Finalize production order



• Create the repository of documentation containers for the CBTs

What:

• In order to allow to link from each business task to the relevant CBTs of the respective application create a separate folder for each business task within the repository system used to store the CBTs

How:

• Create folders on the lowest level using the defined names of the business-tasks as folder names; the overlaying higher structure could be created i.e. in accordance with the key-user areas responsible for the CBT creation and maintenance

Tool to be used:

Any repository-system (Recommendation: Use a system which allows the folder links by using URL-adresses)

Important principles:

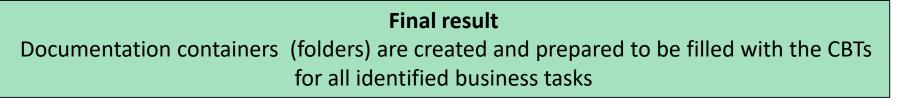
- Make sure the system created is extendable for future changes
- If it looks reasonable, allow to combine succeeding business tasks with few transactions only into one folder

Starting with:

The identified business tasks and the defined overlaying structure

Accelerators provided by sapXP:

Remote training and coaching sessions for those employees that are in duty to execute this step, i.e. Business Process Experts
 & Application Managers jointly





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Sample Repository structure of CBTs

| aiton folders (| BPM only or | ne language; E | UD many la | anguages) | | Document | aiton folders (| BPM only (| one language; | EUD many l | anguages) | | | |
|-----------------|--------------|----------------|-------------|----------------|----------------|---------------|-----------------|-------------|------------------------------|--------------|-----------------|-----------------|------------|---------|
| Sales | | | | | | | Sales | | | | | | | |
| Purchasing | | | | | | | Purchasing | | | | | | | |
| Production | | | | | | | Production | | | | | | | |
| | Check Proc | uction master | data | | | | | Check Pro | uction mast | ter data | | | | |
| | | 1_DE_CR03_ | | z prüfen SA | PR3.cbt | | | | 1 DE CR0 | 3 Arbeitspla | tz prüfen_S4I | HANA.cbt | | |
| | | 1_EN_CR03_ | | | | | | | | | tz prüfen SA | | | |
| | | 2_DE_CA03 | | | | | | | | | rk center_S4I | | | |
| | | 2 EN CA03 | | | | | | | | | rk center_SA | | | |
| | | 3 DE CS03 | | | | | | | | | beitsplan S4 | | | |
| | | 3_EN_CS03 | | | | | | | | | beitsplan_SA | | | |
| | | 4_DE_MM03 | | | | obt | | | | | uting_S4HAN | | | |
| | | 4_EN_MM03 | | | | | | | | | uting_SAPR: | | | |
| | | 5_DE_MM02 | | | | | | | | | prüfen_S4H. | | | |
| | | | | | | | 2 obt | | | | | | | |
| | | 5_EN_MM02 | | | | | | | | | prüfen_SAP | | | |
| | | 6_DE_MM02 | | | | | | | | | | S4HANA.cbt | | |
| | | 6_EN_MM02 | | | | | -i3.CDt | | | | terial BOM_ | | | |
| | | 7_DE_POP3 | | | | | | | | | | ifen_S4HANA | | _ |
| | | 7_EN_POP3 | | | | | | | | | | ifen_SAPR3. | | |
| | | 8_DE_POF3 | | | | | | | | | | sions_S4HAN | | _ |
| | | 8_EN_POF3 | _Packing ir | nstruction - c | sheck determ | ination recor | rd_SAPR3.cb | t | 4_EN_MM | 03_Check pi | oduction ver | sions_SAPR: | 3.obt | |
| | | | | | | | | | 5_DE_MM | 02_Material: | stamm AV-Si | cht_S4HANA | cbt | |
| | Execute Pro | duction Plann | ning | | | | | | 5_DE_MM | 02_Material: | stamm AV-Si | cht_SAPR3.c | bt | |
| | | 1_DE_MD02_ | MRP Einz | elplanung m | ehrstufig_SA | PR3.cbt | | | 5_EN_MM | 02_Material | master work | scheduling - vi | iew_S4HAN | JA.cbt |
| | | 1_EN_MD02_ | MRP Sing | gle-Item, Muli | ti-Level_SAP | R3.cbt | | | 5_EN_MM | 02_Material | master work | scheduling - vi | iew_SAPR: | 3.obt |
| | | 2_DE_MD04 | Planauftr | ag in Fertigur | ngsauftrag un | nsetzen_SAF | PR3.cbt | | 6_DE_MM | 02_Prüfen F | alettierungso | laten Material: | stamm_S4H | HANA.c |
| | | 2_EN_MD04 | Convert p | lanned order | r in productio | n order_SAF | PR3.cbt | | 6_DE_MM | 02_Prüfen F | alettierungso | laten Material: | stamm_SAI | PR3.cbt |
| | | | | | | | | | 6 EN MM | 02 Check p | alletization da | ita material ma | aster S4HA | NA.cbt |
| | Production | Execution (Pr | epare & Co | nfirm) | | | | | 6 EN MM | 02 Check p | alletization da | ta material ma | aster SAPF | R3.cbt |
| | | 1 EN CO02 | | | r SAPR3.cb | | | | | | | S4HANA.cb | | |
| | | 1_DE_C002_ | | | | | | | | | | SAPR3.cbt | | |
| | | 2_DE_RFPP | | | | | B3 obt | | | | | tion_S4HANA | Alcht | |
| | | 2_EN_RFPP | | | | | | | | | | tion_SAPR3. | | |
| | | 3_DE_RFPP | | | | | <u> </u> | | | | | gssatz prüfen | | cht |
| _ | | 3_EN_RFPP | | | | | | | | | | gssatz prüfen. | | |
| | | 4_DE_RFPP | | | | 33 obt | | | | | | heck determin | | |
| | | 4_EN_RFPP | | | | 10.000 | | | | | | heck determi | | |
| | | 4_CN_HEFF | or_comm | nacion scrap | SAF H3.000 | | | | 0_EN_FOR | -5_Facking1 | instruction - c | neck determin | nadonneco | IU_SAF |
| | Distance Des | lunian Orden | _ | | | | | Enclosed D | - due Maria Dia | | | | | |
| | Finalize Pro | duction Order: | | | | | | Execute Pl | roduction Pla | | | | | |
| | | 1_EN_COOIS | | | | | | | | | | ehrstufig_S4H | | |
| | | 2_EN_COGI | | | | obt | | | | | | ehrstufig_SAF | | |
| | | 1_DE_COOIS | | | | | | | | | | i-Level_S4HA | | |
| | | 2_DE_COGI_ | Warenbew | egungen prül | fen_SAPR3.c | ;bt | | | | | | i-Level_SAPF | | |
| Plant Maint | enance | | | | | | | | | | | igsauftrag um | | |
| Controlling | | | | | | | | | 2_DE_MD | 04_Planauftr | ag in Fertigur | igsauftrag um | setzen_SAF | PR3.cbt |
| Finance | | | | | | | | | 2_EN_MD | 04_Convert | planned order | in production | order_S4H | ANA.cb |
| | | | | | | | | | 2_EN_MD | 04_Convert | planned order | in production | order_SAF | PR3.cbt |
| | | | | | | | | | | T | | | - | |
| | | | | | | | | Production | <mark>n </mark> Execution (F | Prepare & Co | onfirm) | | | |
| | | | | | | | | | | | , | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | Finalize Pr | oduction Ord | ers | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | Plant Maint | enance | | | | | | |
| | | | | | | | Controlling | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | Finance | | | | | | | |





• Integrate the business tasks into the BPM process description



• Make sure all identified application related business tasks are represented within the BPM System

How:

- Compare, if the business tasks, identified within the test scripts, are represented with the correct role assignment and in the correct sequence within the BPM
- Create an application documentation link to the respective folder in the CBT repository system where the folder name equals the business task name

Tool to be used:

• The BPM tool or better BPM suite in use

Important principles:

- Standardize the naming
- Use the same set of roles which has been used within the test scripts; align upfront with the role-master-file in the Accelerated testing environment
- Prevent redundancy caused by having the same sequence of business tasks in different test scripts
- Recommended: use different shape colors within your BPM for the different application-types (i.e. ERP, CAD) to have a more clear visualization

Starting with:

• The process house within the BPM system

Accelerators provided by sapXP:

- Remote training and coaching sessions for those employees that are in duty to execute this step, i.e. Quality Manager responsible to maintain the BPM jointly
- SAP AG provides the <u>best practice process flows of the current S/4 HANA release</u> in BPMN2 format and we offer them as download packages with vertical or converted with horizontal swimlanes in DE and EN for download in our digistore: <u>https://sapxp.ch/tools-overview-digistore24/?lang=en</u>

Final result Complete and consistent representation of all identified business tasks within the BPM system

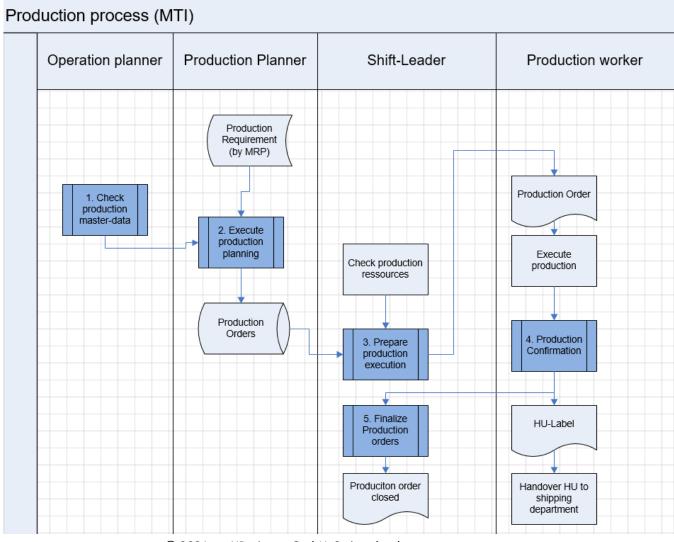


SAP

Sample



Business tasks in Process Flow





• Link from the business tasks in the BPM to the related CBTs

What:

• Link all business tasks in the BPM to the related documentation container (folder) in the repository system of the CBTs

How:

• If not already completed in step 6, insert the link to the respective folder in your BPM

Tool to be used:

• The BPM tool or better BPM suite in use

Important principles:

• Make sure ALL application specific business tasks within the BPM are linked to the respective folders holding the application documentation

Starting with:

• Verification of links in the BPM

Accelerators provided by sapXP:

• None

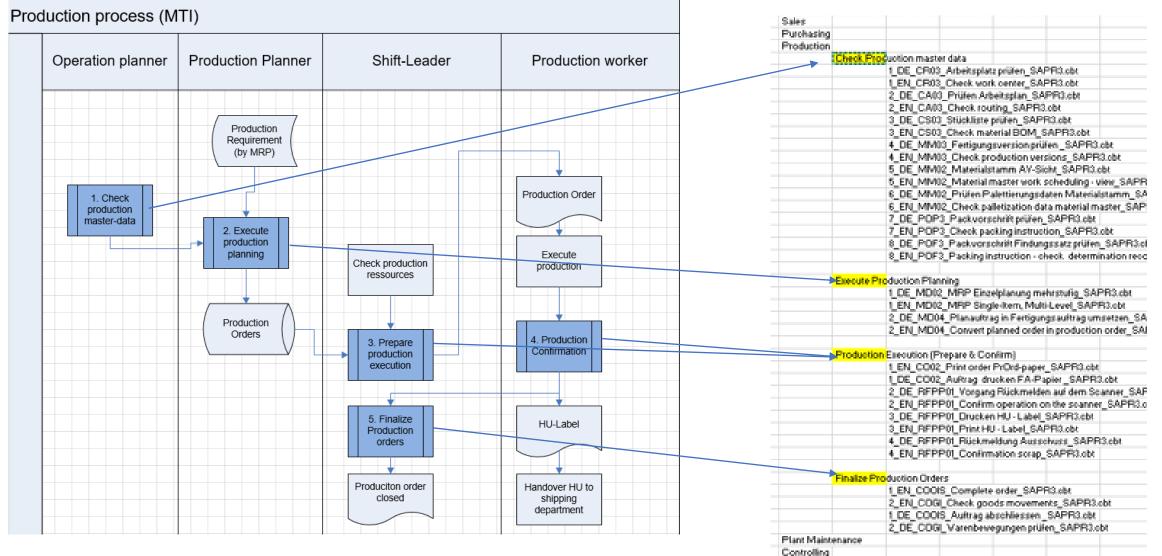
Final result

All application specific business tasks in the BPM are linked to the related documentation containers (folders) in the repository system of the CBTs





Sample Business tasks in Process Flow



Finance

SAP PERIENCE



• Execute the master-test-scripts and record the CBTs per business task



What:

Create the application documentation for all transactions mentioned in the test scripts

How:

- Run the test for the master data test scripts and record the screen flow and entries with a CBT auditing software
- Alternatively it is possible to use a fixed quoted service to get the company specific CBTs created by a team of experts in order to minimize the effort in the initial creation for your Key-Users or application managers (<u>contact us for details & quotation</u>)
- Store the created CBT in the folder of the related business task
- Usually it is necessary to execute a finishing step for each CBT in order to add specific explanations, standards to be considered and tips and tricks

Tool to be used:

A state-of-the-art CBT auditing software like SAP's enable now or datango (contact us for a demo & quotation)

Important principles:

- Have a naming convention for the CBTs in place that allows to represent the sequence of the transactions according to their appearance in the folder as well as the application system the CBT is recorded in (i.e. SAP R/3 or S4Hana)
- Make sure the transaction is running successful and without errors in your application system before starting recording

Starting with:

• Any already successfully executed test script

Accelerators provided by sapXP:

- Recording services and support
- Remote training and coaching sessions for those employees that are in duty to execute this step, i.e. Business Process Experts & Application Managers jointly

Final result

All application documentation is created and stored in the respective business task folders

• Create all to be tested process variants by replicating and adjusting the master-testscripts and execute those



Counties

What:

• Create and test-run test scripts for all variants to be tested additionally besides the master-test-scripts

How:

• For each to be tested variant copy the related master-test script, adjust the sequence of transactions to be executed and specify the respective real-life master-data to be used in the test-script, typically representing the test variant

Tool to be used:

• Tool that has been used to create the master test scripts, i.e. sapXP accelerated testing environment

Important principles:

- Only create variants for test-scenarios based upon real-life occurrences, avoid to create test-scripts for situations, which theoretically can happen, but do not have any real life example out of the ongoing business
- Also avoid to create variants for occurrences, like breaks, that are occurring in real-life, but need to be handled within the execution of the already existing test-scripts
- Decide, if additional CBTs need to be created for actually missing transactions or for a special handling of a transactions within the specific defined test variant
- Have a clear naming and numbering concept for those test scripts identifying/assigning the variants under the mastertest-script, they are derived of

Starting with:

• The BPML

Accelerators provided by sapXP:

- sapXP accelerated testing environment
- Remote training and coaching sessions for those employees that are in duty to execute this step, i.e. Business Process Experts & Application Managers jointly

Final result

Complete set of test-scripts for all processes and relevant variants to be tested \rightarrow Complete workload for integration testing

Customers