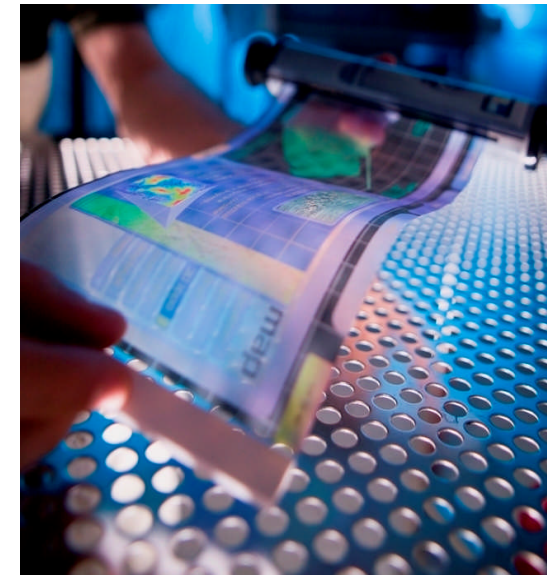# Flexible UI for WCM Objects
Release ERP 6.0, EhP5

Michael Lesk

WCM Info Day
October 2010
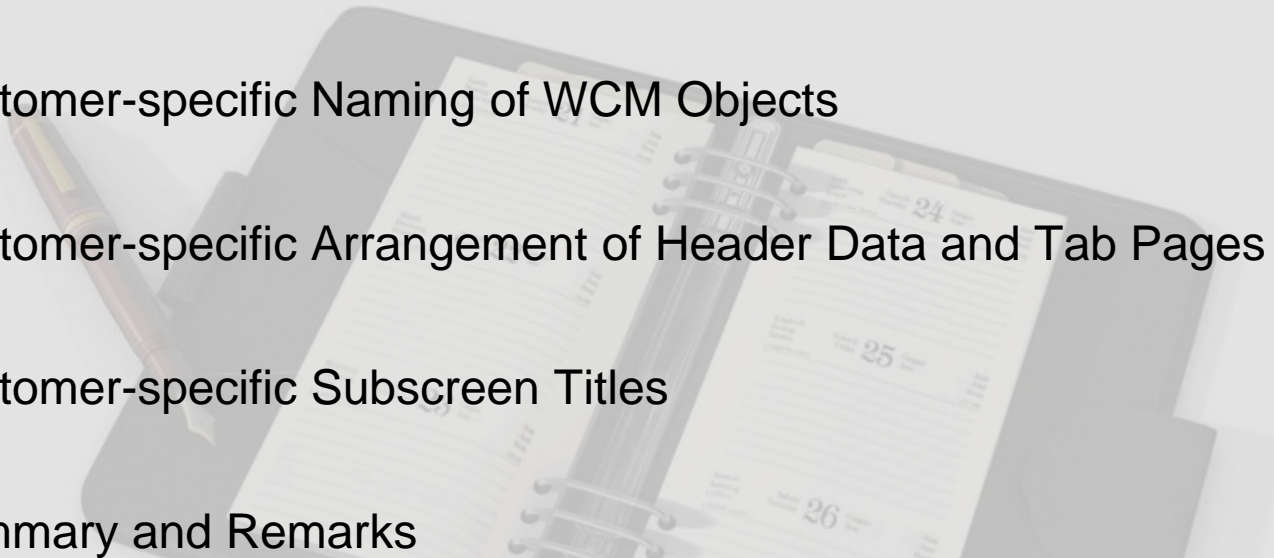Amsterdam, Netherlands
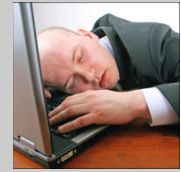
International Conference on SAP Enterprise Asset
Management & SAP EHS Management 2010
05 - 07 October 2010, Amsterdam

T.A.Cook

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Agenda

- **1. Motivation**

- 2. Customer-specific Naming of WCM Objects

- 3. Customer-specific Arrangement of Header Data and Tab Pages

- 4. Customer-specific Subscreen Titles

- 5. Summary and Remarks

1) Motivation

- Let's have a look at the header screen of a WCM object (here: Operational WCD) up to now:

- Generic object services
- Status processing and audit trail
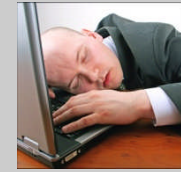- Assignment of partners
- Long text processing
- Assignment of documents
- Assignment of permits
- Use of catalog technique
- Assignment of technical objects

1) Motivation

- Let's ask some questions (that you already might have asked yourself):

Can we reduce clicks to access additional data?

Can we rename WCM objects to our terminology?

Can we rename subscreen titles?

Can we rearrange the whole screen?

Can we define individual tabstrip controls/tab pages?

1) Motivation

- Let's ask some questions (that you already might have asked yourself):

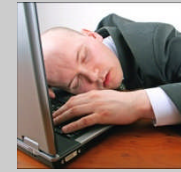Can we reduce clicks to access additional data?

Can we rename WCM objects to our terminology?

Can we have the whole thing more flexible?

we rearrange whole screen?

strip controls?

1) Example

■ For example, we would like to have the following:

Say "V&B List" instead of "WCD"

Structure data by two new subscreens

Define individual tab pages

Put subscreen "Reference Object" on first tab page and rename it to "Tag/Line Data"

Put location data on first tab page instead of second one

Put linked documents on main screen instead of "Goto"-navigation

1) Example

For example, we would like to have the following:

Say "V&B List" instead of "WCD"

Structure data by two new subscreens

Define individual tab pages
Change subscreen title to "Tag/Line Data"
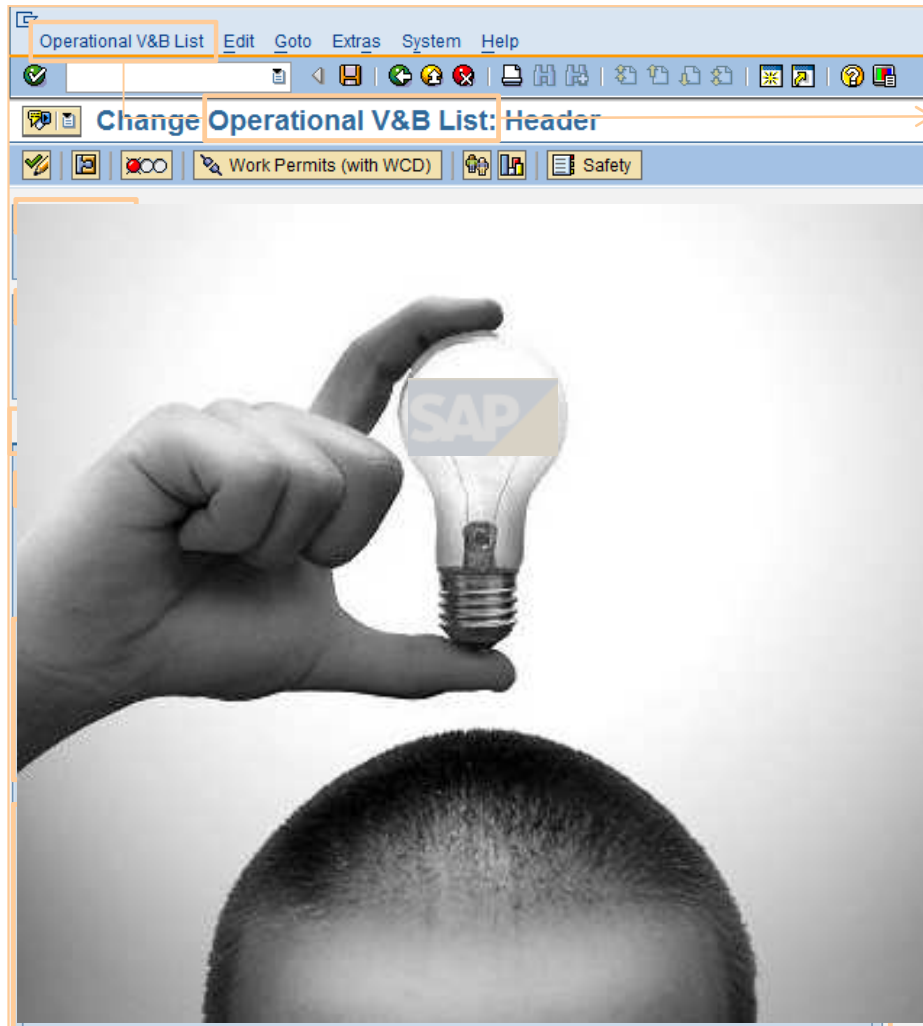
Put location data on first tab page instead of second one

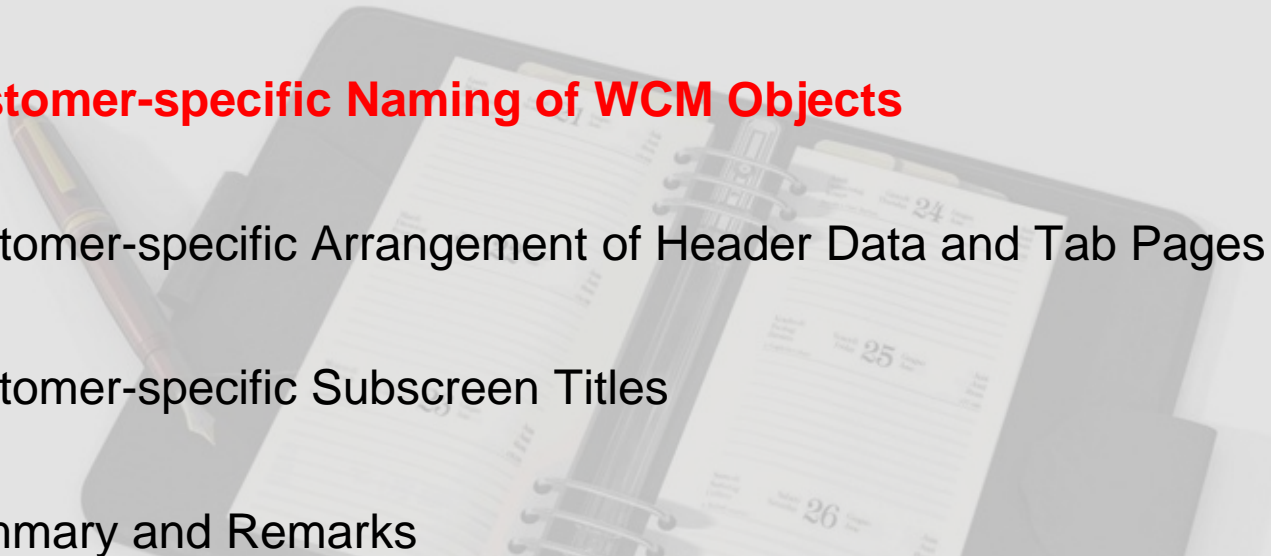Put linked documents on main screen instead of "Goto"-navigation

1) Resulting Idea: Flexible WCM Object UI

- SAP's answer is to provide an <u>integrative UI flexibility for **all WCM objects**</u> in EhP5:
    - Individual <u>naming of WCM objects</u> by means of appropriate customizing
    - Arbitrary <u>arrangement of appropriate header data subscreens</u>
        - Reuse of the well-known *view profile* customizing concept implemented in PM
        - Additional requirements:
            - Whole header screen shall be adjustable without any system-defined layout fixations
            - Customer-specific data shall be integrable everywhere on the header screen
    - Furthermore, view profiles for WCM objects will include:
        - Optional definition of <u>(1-6) tabstrip controls</u> with free specification of tab pages
        - Individual <u>titles for data subscreens</u>
        - Arrangement of <u>new data subscreens</u> for:
            - Additional data (e.g. several text controls, partner assignments, document links)
            - Orders and operations assigned to an application (= WCA or additional application)
            - Work types & safety requirements (= customizable application attributes introduced with EhP5)
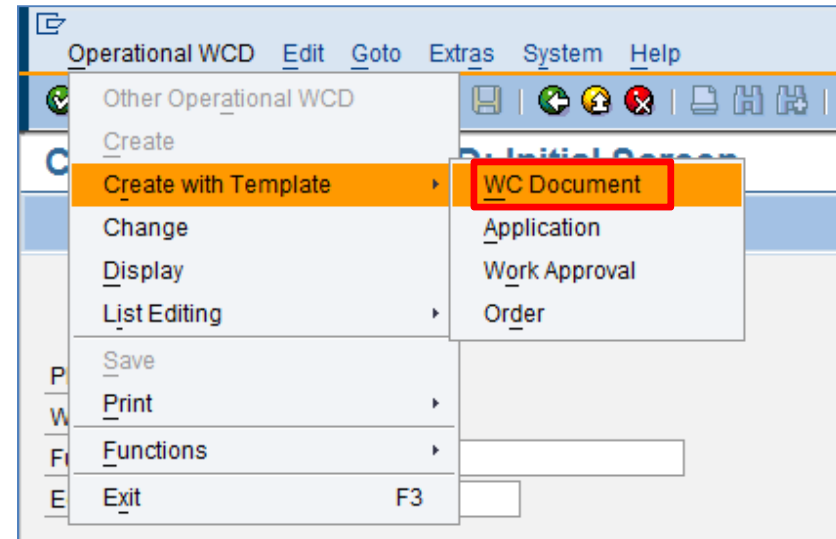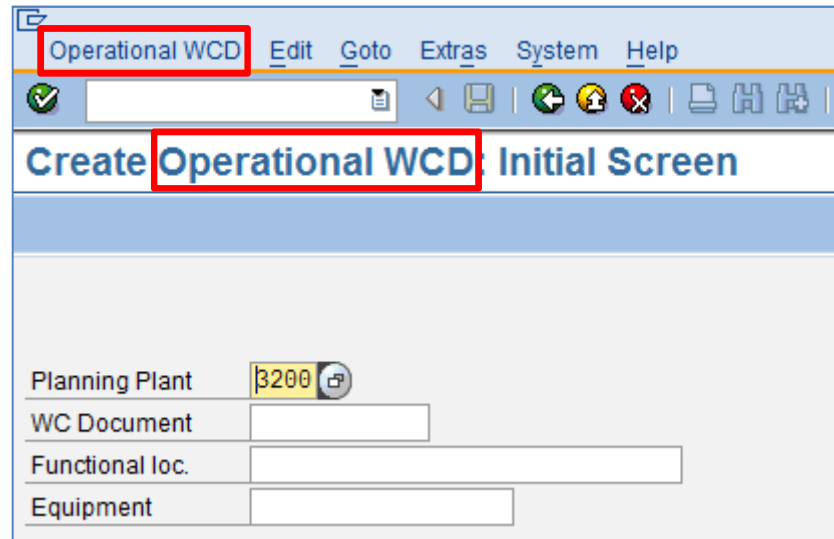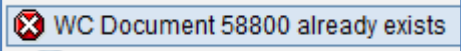
Agenda

- 1. Motivation

- **2. Customer-specific Naming of WCM Objects**

- 3. Customer-specific Arrangement of Header Data and Tab Pages

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wcm

2) Entry Screen of WCM Objects

■ Let's have a look at the entry screen of an Operational WCD up to now:

■ How to rename the generic term "WC Document" to e.g. "Valve&Blind List"?

■ How to rename the specific term "Operational WCD" to "Operational V&B List"?

■ And "WCD Template" to "V&B List Template"?

■ Note that a renaming would affect:

■ GUI Status of the WCD screens

■ Menus and sub menus of the WCD screens

■ Message output for the end user (e.g. ⊗ WC Document 58800 already exists)

2) Search Help for WCM Objects

- Obviously, the same questions apply to other screens, e.g. search help for WCDs:

2) EhP5 Customizing: Rename Descriptions

■ How to rename the specific terms for WCDs (and for all other WCM objects):

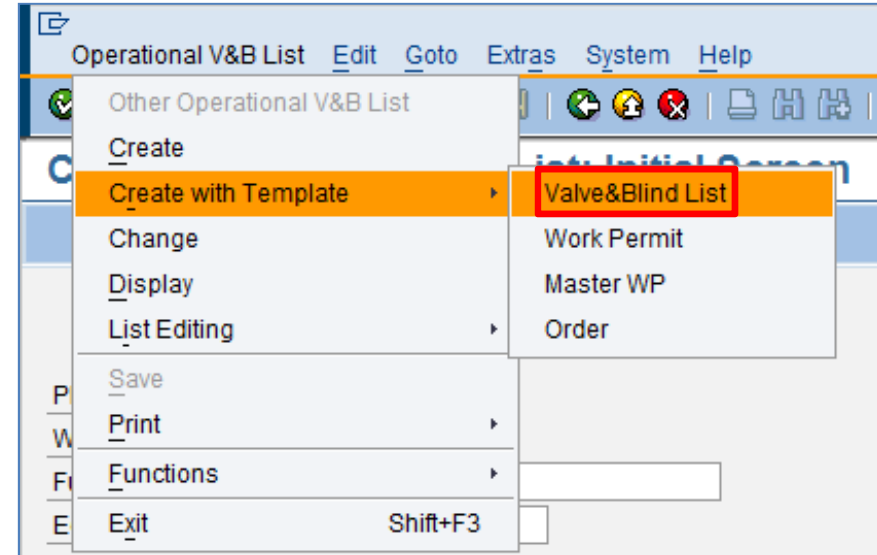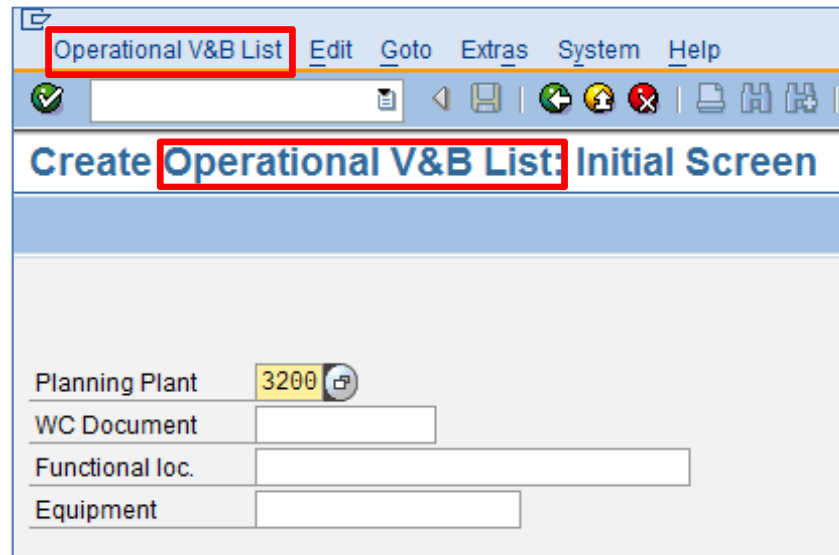# 2) EhP5 Customizing: Rename Generic Descriptions

You're going to call me WHAT!?

- How to rename the generic term for WCDs (and for all other WCM objects):

2) Entry Screen of WCM Objects after Renaming

■ Now let's check the entry screen of our renamed Operational WCD:

| Operational V&B List | Edit | Goto | Extras | System | Help |

Create Operational V&B List: Initial Screen

Planning Plant 3200
WC Document
Functional loc.
Equipment

| Operational V&B List | Edit | Goto | Extras | System | Help |

Other Operational V&B List
Create
Create with Template → Valve&Blind List
Change   Work Permit
Display   Master WP
List Editing →   Order
Save
Print →
Functions →
Exit   Shift+F3

■ Renaming has changed:

  ■ GUI Status of the WCD screens

  ■ Menus and sub menus of the WCD screens

  ■ Message output for the end user (⊗ V&B List 58800 already exists)

■ And let's check the search help for our renamed WCDs:

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3) How to change the WCM Object Screen Layout?

- How to change the layout for our Operational V&B Lists as follows?

Identification on top (with titled frame)

Validity below (with titled frame)

Tab Page "Asset Data" with:
- *Tag/Line Data*
- *Location Data*
- *Document Links (→ instead of navigation)*
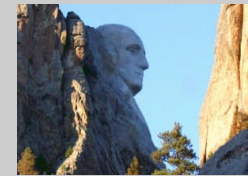
Tab Page "Responsibilities" with:
- *Applicant*
- *Partner (→ instead of navigation)*
- *Planning Data*

Tab Page "Description" with:
- *Long Text (→ instead of navigation)*
- *Tagging Text (→ instead of navigation)*
- *Untagging Text (→ instead of navigation)*

3) EhP5 Customizing: Define View Profiles

■ 1st Level – Basic definition of the view profile (name and description):

3) EhP5 Customizing: Arrange Header Subscreens

- 2nd Level: Arrange subscreens (either data screen or tabstrip) on header screen:

- Available options for each header subscreen:
    - Assignment of a sequence number to define the vertical sequence (mandatory)
    - Display of a closing blank line (optional)
    - Display of a border with a title around (optional, only for data subscreens)
    - Positioning on the right-hand side of the screen area (optional, only for data subscreens)

3) EhP5 Customizing: Define Tab Pages
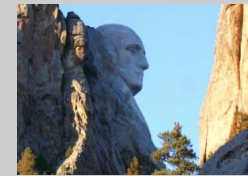
- 3rd Level: Define desired tab pages and their sequence:

- Available options for each tab page:
  - Definition of a tab page title (mandatory)
  - Definition of an icon for the tab page (optional)
  - Deactivation of the tab page as a (temporary) alternative to final deletion (optional)
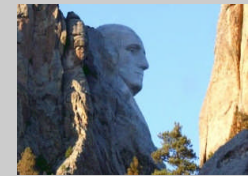
3) EhP5 Customizing: Arrange Tab Subscreens

- 4th Level: Arrange data subscreens (no more tabstrips) on each tab page:

- Available options for each tab page subscreen (same as for header subscreens):
  - Assignment of a sequence number to define the vertical sequence (mandatory)
  - Display of a closing blank line (optional)
  - Display of a border with a title around (optional)
  - Positioning on the right-hand side of the tab screen area (optional)

3) EhP5 Customizing: Available Subscreens

- Overview on available subscreens and their titles (value help on subscreen field):

Define Screen Areas of a View Profile			
Subscre	**Screen Element Text**	**Scrn Wid**	**Comment**
6000	Tabstrip (1)	085	
6005	Tabstrip (2)	085	
6010	Tabstrip (3)	085	
6015	Tabstrip (4)	085	
6020	Tabstrip (5)	085	
6025	Tabstrip (6)	085	
8200	Identification	081	
8300	Customer-Specific Data (1)	040	
8310	General Data	081	
8320	Reference Object	080	
8330	Location Data	068	
8340	Responsibilities	073	
8350	Planning Data	062	Not for WCD Template
8360	Long Text	074	
8365	Requalification Text	074	Not for Work Clearance Docs
8370	Partner	081	
8380	Documents	083	
8390	Tagging Text	074	Only for Work Clearance Docs
8395	Untagging Text	074	Only for Work Clearance Docs
8400	Customer-Specific Data (2)	040	
8410	Work (1)	038	Only for Applications
8411	Work (2)	038	Only for Applications
8412	Work (3)	038	Only for Applications
8413	Work (4)	038	Only for Applications
8420	Requirements (1)	038	Only for Applications
8421	Requirements (2)	038	Only for Applications
8422	Requirements (3)	038	Only for Applications
8423	Requirements (4)	038	Only for Applications
8430	Order	081	Only for Applications

Internal Number of a Subscreen (1)   29 Entries found

Subscreen: 8200 / 8310 / 6000

Only for Header Screens

Further Usage Hints

For Header and Tab Screens

29 Entries found

uxai3q35

3) EhP5 Customizing: Assign View Profiles

■ After definition, a view profile needs to be assigned to the relevant WCM object(s):

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4) What is still missing for our desired Layout?

- Let's have a look at the changed layout of our Operational V&B List:

How to rename subscreen title to *"Validity"?*

How to rename subscreen title to *"Tag/Line Data"?*

4) EhP5 Customizing: Individual Subscreen Titles

- Definition of individual subscreen titles (on plant level):

Agenda

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- **5. Summary and Remarks**

5) How does the Layout look finally?

■ This is the final layout for the header screen of our Operational V&B List:

Identification on top (with titled frame)

Validity below (with titled frame)

Tab Page "Asset Data" with:
- *Tag/Line Data*
- *Location Data*
- *Document Links (→ instead of navigation)*

Tab Page "Responsibilities" with:
- *Applicant*
- *Partner (→ instead of navigation)*
- *Planning Data*

Tab Page "Description" with:
- *Long Text (→ instead of navigation)*
- *Tagging Text (→ instead of navigation)*
- *Untagging Text (→ instead of navigation)*

5) New Subscreens for Applications

- Note that the view profiles include new EhP5 subscreens for Applications (required e.g. for Work Permit processes):

Customizable Work Types

Assigned Orders / Operations

5) New Subscreens for Applications

Hot Work Permit
Number:_____
Location: _____
Date:
Nature of Job: _____
Name of Person Performing Hot Work:_____

■ Note that the view profiles include new EhP5 subscreens for Applications (required e.g. for Work Permit processes):

| Asset Data | Responsibilities | Work Description | Requirements |

Requirements (Area Technician)
- ☐ Prevent Oil and Gas
- ☐ Regular Inspection
- ☐ Gas Measurements
- ☐ Block/Cover
- ☐ Barriers/Signs
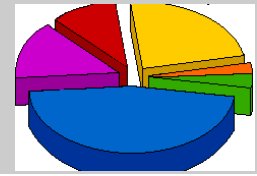- ☑ HSE Datasheet

Requirements (Skilled Worker)
- ☐ Depressurization
- ☐ Draining/Emptying
- ☐ Clng/HC Freeing
- ☐ Radioact. Radiation
- ☑ Job Safety Analysis
- ☑ Lockout/Tagout

→ Customizable Safety Requirements

Other Requirements
```
Please wear appropriate clothes.
```

5) Summary

- View profiles for WCM objects are a <u>powerful</u>, <u>flexible</u> configuration tool to <u>easily</u> adapt the header screen layout to your individual needs:
  - You can arrange standard data subscreens wherever you like.
  - You can define up to 6 tabstrip controls, with free specification of tab pages.
  - If required finally, you can define an individual title for each data subscreen.
- View profiles allow <u>different configuration for different WCM objects</u>:
  - You can define several view profiles.
  - For each relevant WCM object, you can assign an individual view profile.
  - If required finally, you can use different view profiles in different WCM plants.
- View profiles <u>integrate screen BAdIs</u> for WCM objects:
  - For each WCM object, you can define up to 2 subscreens for customer-specific data.
  - Like the standard subscreens, customer-specific subscreens can be arranged on the header screen wherever you like.
- View profiles (and screen BAdIs if appropriate) <u>reduce (or even suspend) the need for modifications</u> and/or usage of tools like GuiXT.

Questions and Answers

Register yourself on
www.wcm-it.com

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