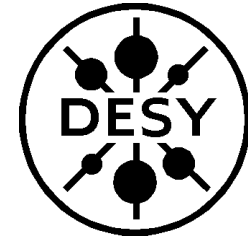


Status and Future Plans of ILC EDMS at DESY

Lars Hagge, DESY

3rd Type 4 Cryomodule Collaboration Meeting
INFN Milano, Italy, 22.01.2007

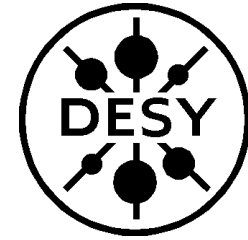




Initial Scope of ILC EDMS

- 3D Global CAD Collaboration
 - ▶ real-time 3D CAD collaboration for contributing, accessing, updating, visualizing, coordinating models
- Change Control of ILC Baseline Configuration
 - ▶ start with EDMS-based change process for baseline configuration document, evolve into change control of product breakdown structure and related items
- Workspaces for Collaborative Document Mgmt.
 - ▶ structured team environment for collaborative authoring, reviewing, approving etc. of documentation

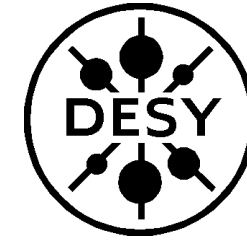




Recent Developments

- Change control procedure as defined by ILC CCB
 - ▶ create, classify, review and respond to change requests, update BCD according to decision
- Hierarchical keyword and task structures
 - ▶ together with part breakdown structures, provide multiple views on ILC information repository
- Navigator for EDMS Thin Client
 - ▶ enable explorer-type navigation of hierarchical structures
- Release lifecycles for CAD-related items
 - ▶ formally control item accessibility
- Upgrade to I-DEAS 12m2





Release Lifecycles

My Teams: PETRA_Bau: Testplaene_Bau - Microsoft Internet Explorer

Address: <http://adam.desy.de:8080/TC51ILC/controller/home>

Search: Home Exit DESY
Advanced Search... Lars Hagge

Main Menu Explorer Check Out From Team Put to WIP Vault Make Available To Team Route Move More Actions...

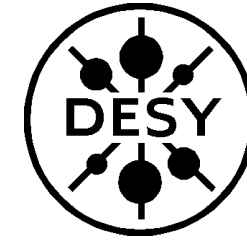
My Teams: PETRA_Bau: Testplaene_Bau

	EDMS-ID	Name	Description	Class	Project Name	Life Cycle State
<input type="checkbox"/>	D0000000077891.A.1	Testplan EG00	Testplan Gewerk Bau Grundriss EG00, Stand 17.01.2007	Drawing	PETRA_team_Bau	Released
<input type="checkbox"/>	D0000000077951.A.1	Testplan_Klima_EG00	Testplan Gewerk Klima, EG00 Stand 17.01.2007	Drawing	PETRA_Bau	Working
<input type="checkbox"/>	D00000000778031.A.1	Testplan Elektro EG00	Testplan Gewerk Elektro EG00 Stand 17.01.2007	Drawing	PETRA_team_Bau	Reviewing
<input type="checkbox"/>	D00000000778101.A.1	Test Besprechungsprotokoll	Testdokument erstellt am 17.01.2007	Meeting Minutes	PETRA_Bau_cfd	Working
<input type="checkbox"/>	D00000000778451.A.1	Test Bauzeichnung PETRA	Test mit M. Fritze am 18.01.2007	Drawing	PETRA_team_Bau	Released

< Back Create and Add ILC Document

Aktuelles II, Configuration Context Preferences, activated.
The Classification <> Part Mstr was created.
You have 6 assignments in this Work List.

Applet com.sdrc._metaphase.wcc.sharedlogin.SharedLoginApplet notinited Local intranet



BC Change Request

Create BC Change Request: Properties - Microsoft Internet Explorer

Address: http://adam.desy.de:8080/TCS11LC/controller/home

Search [] Home Exit DESY
Lars Hagge

Main Menu Explorer

Lists
Work Lists
My Lists
My Teams

Create
Part
Documents
Change Items
Others ...

Preferences
My Preferences
Change Password
Change User Data

Logs
Help
Contents And Index
About Teamcenter
DESY Impressum
Copyright 2006

Create BC Change Request: Properties

CR Name: SYSTEM GENERATED
Title: * Change Request Test LH
Classification: * Class 0 - Minor
Description: This is a test

Attach File
File Name: C:\Documents and Settings\hagge\Desktop\En Browse...
 Delete Files after Upload

Checkin to Vault or Team: *
 No Upload
 Upload to WIP VAULT ?
 Upload to Team

< Back OK

Aktuelles II, Configuration Context Preferences, activate
The Classification <-> Part Mstr was created.
You have 6 assignments in this Work List.

Applet com.sdrc._metaphase.wcc.dmapplets.DMBrowseApplet started

1. Create change request
2. EDMS guides through process steps
3. Add files, reviews etc.
4. Obtain decision on change request
5. If approved: use CR to get „revise“ access right on item

Summary Properties Related Items Files Reviewers

Properties

Edit

Name: BCCR0007_A,1
CR Name: BCCR0007
Title: Change Request Test LH
Creator: Hagge_Lars
Project Name: Spiel Team
Classification: Class 0 - Minor
Life Cycle State: Authoring

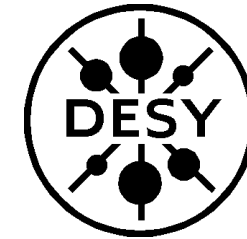
[More Properties ...](#)

Assignment

Assignment: Initiate BC Change Request

Required Actions: [Update properties](#)
[Add files](#)
[Add BC Change Information](#)

Optional Actions: [Assign reviewers](#)



Hierarchies

- [-] Storage Ring
 - [-] 01.00 General Information
 - [+] Talks
 - [+] Reports
 - [+] Geometry
 - [+] Posters
 - [+] Parameter
 - [-] 01.02 Magnet Supports
 - Meeting Minutes
 - Parameter
 - [-] New Octant
 - [+] Magnet girder
 - [+] Girder support
 - [+] Adjustment supports for compon
 - [+] Old Octants

hierarchical
keywords

- [-] T4CM_COMPLETE_ASSEMBLY
 - [+] VESSEL_CRYOSTAT_WELC
 - [-] T4CM-HGR_PIPE_ASSY
 - [+] INVAR_ROD_CLAMPS_
 - [+] SUPPORT_POST_ASSY
 - [+] HGR_PIPE_WLDMT
 - [+] NEEDLE_SUPPORT_R_
 - [+] NEEDLE_SUPPORT_L_
 - [+] EXTENSION_SUPPORT-
 - [+] EXTENSION_SUPPORT-
 - [+] EXTENSION_SUPPORT-
 - [+] EXTENSION_SUPPORT-
 - [+] INVAR_ROD
 - [+] T4CM_MASTER_COORDIN

product
structure

NEW: Task has References and Deliverables

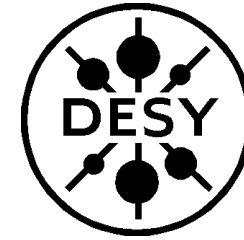
Contents of Task 'EDMS_int, FIXING': References

References Deliverables

EDMS ID	Name	Description	Project Name	Life Cycle State
D00000000561793.A.1	PETRA Storage Ring	PETRA Storage Ring	PETRA	Working
D00000000752131.A.3	SSS	SSS	EDMS	Working
D00000000763781.A.1	testing dok	lll	EDMS_int	Released-Internal
D00000000767841.A.1	TEST_DA_1	blalala	EDMS_int	Working
D00000000767891.A.1	TESTING1		EDMS_int	Working

- [-] EDMS_int, FIXING
 - [-] EDMS_int, FIXING/WP1
 - EDMS_int, FIXING/WP1/
 - [-] EDMS_int, FIXING/WP2
 - EDMS_int, FIXING/WP2/

project
structure

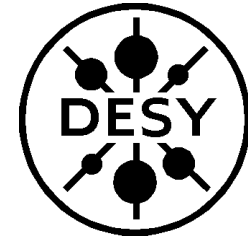


Explorer / Navigator

- Navigator for explorer-type browsing of hierarchical structures
- Seamlessly move from keywords to tasks and parts

EDMS ID	Name	Description	Project Name	Life Cycle State
D00000000556493.A.1	T4CM_COMPLETE_ASSEMBL	T4CM_COMPLETE_ASSEMBLY	Type 4 Cryomodule Design	Working
D00000000561793.A.1	PETRA Storage Ring	PETRA Storage Ring	PETRA	Working
D00000000667671.A.1	Integration Meeting	Web services framework: current status and upcoming changes / PETRA3 solution: discussion ctd.	IPP_Systemintegration	Working

Aktuelles II, Configuration Context Preferences, activated.
The Classification <-> Part Mstr was created.
You have 6 assignments in this Work List.

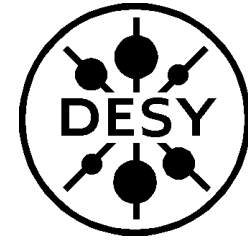


User Feedback Needed

Defining Hierarchies

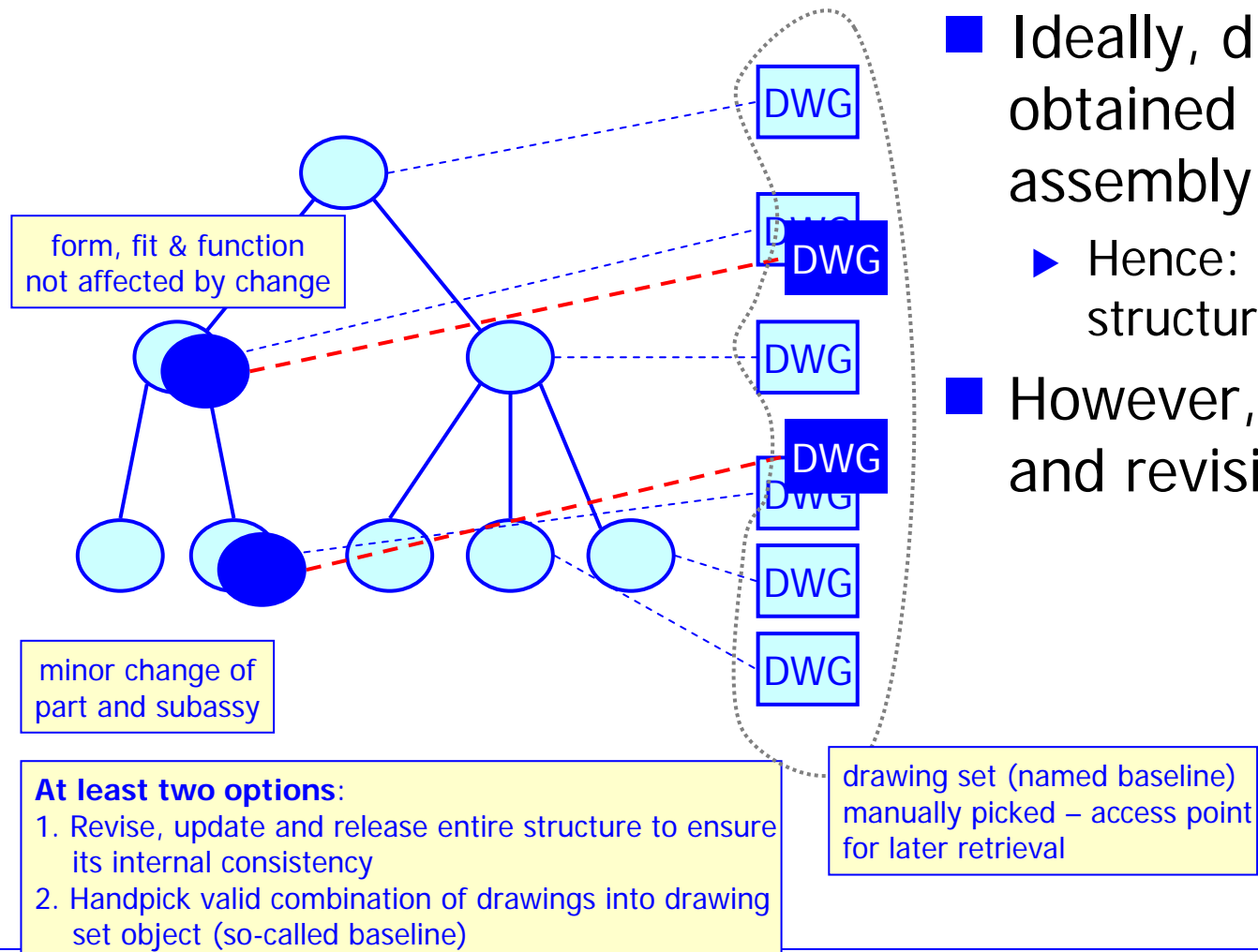
- Folders: good for teams, inadequate for project
 - ▶ can you put the internet in folders?
- Pre-define hierarchical project structures
 - ▶ non-overlapping structures for unambiguous relations
 - ▶ follow RDR and project organization → after Beijing
- guidelines „how-to“ include items in structures
 - ▶ relate „enough“ to enable item retrieval
 - ▶ prevent information proliferation by relating „too much“



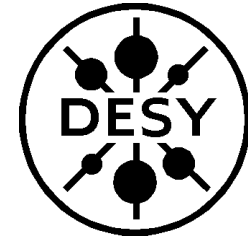


Feedback and Requirements Needed

Part Release Strategy



- Ideally, drawing sets are obtained by navigating the assembly breakdown struct.
 - ▶ Hence: Release the assembly structure (bottom-up)
- However, there is version and revision control ...



Releasing ILC EDMS

- test system available at DESY since Jan 11
- test system available to CCB from Feb 12
 - ▶ could go into production for BCD chg ctrl on short notice
 - ▶ open to include additional users on request
 - ▶ need user feedback to help system configuration – and keep complexity at manageable level !
- general release of ILC EDMS at LCWS Hamburg
 - ▶ provide short training sessions in parallel program
 - ▶ offer help desk for getting connected and started
- DESY and ILC EDMS are one system which adapts to the user category

