

SAP WORLD TOUR 09 meets 3rd *SAPience.be* TECHNOLOGY DAY

SAP at ELIA

”Upgrade to 6.0” and “Use of AIF”



Bart Bogaers
SAP Competence Center Manager, ELIA

SAP Lounge, Vilvoorde
June 3-4, 2009



Agenda



1. **SAP at ELIA**
2. Upgrade to ECC 6.0
 - 1.1. Starting Point
 - 1.2. Project
3. Use of AIF
 - 3.1. Starting Point
 - 3.2. Adobe Interactive Form



ELIA

- Belgian High Voltage Grid Operator with following mission statement:

“We are a team of professionals with the ambition to create shared wins for our customers and the community and to develop the European electricity market in a reliable, sustainable and efficient way.”

- SAP at ELIA
 - SAP ECC 6.0 (FI, CO, MM, SD, PM, PS, HR, CATS)
 - SAP SRM (IMS, Catalogue Buying) and SAP MDM
 - SAP BI
 - SAP SEM (BPS, BCS)
 - Netweaver (Portal, XI, Adobe, WebDynpro)

Agenda



1. SAP at ELIA
2. Upgrade to ECC 6.0
 - 1.1. Starting Point
 - 1.2. Project
3. Use of AIF
 - 3.1. Starting Point
 - 3.2. Adobe Interactive Form





Starting Point

- Using ECC 5.0 since July 2006
 - About 300 non-standard objects
 - Complex System Landscape (SAP- and non-SAP systems)
- Technical Upgrade to ECC 6.0 because of technical reasons
 - Use of “Services” (use of “Proxies”) on Back-end
- Development continues between scope negotiation and start of implementation



Project

- Project Preparation
 - Looking for a project partner(s)
 - SAP Upgrade Factory (Dev changes in scope)
 - Delaware (Dev changes for new items since scope definition)
 - Oxya (BC partner)
 - Axl & Trax (Upgrade Authorization Concent)

- Initial analysis and scope definition with SAP Upgrade Factory

Project

■ Implementation

- Week 1: Prepare Sandbox (as a copy of production)
- Week 2 &3: Update/Adaption of non-standard objects in scope
- Week 4 and 5:
 - Full Process Test in Sandbox Environment
 - Prepare new development and acceptance environment (new hardware):
 - New development = copy of old development
 - New acceptance = copy of production environment
- Week 6: Full Process Test in Acceptance Environment
- Go-Live: System downtime 1,5 days (Friday en Monday morning)

Lessons Learned

■ Positive:

- Very few issues after go-live
 - Most encountered problem: password case sensitive
 - 1 OSS still remaining
- Within budget: Total Cost = 65K € (Development, BC, Authorizations & Testing)
- Within deadlines
- Working with SAP Upgrade Factory (India) worked fine

■ Room for improvement:

- Planning & communication with SAP's Upgrade Coach
- Bring all environments to the same level before start of upgrade
 - Development <> Acceptance & Production (transports never brought to production)
- Limit the number of partners (if possible):
 - BC partner and SAP Upgrade Factory have to work closely together and communicate very well (ideally one partner)
 - Limit time between scope definition and start of implementation – otherwise too many objects not handled by SAP Upgrade

Agenda



1. SAP at ELIA
2. Upgrade to ECC 6.0
 - 1.1. Starting Point
 - 1.2. Project
- 3. Use of AIF**
 - 3.1. Starting Point**
 - 3.2. Adobe Interactive Form**



Starting Point

- Time Sheet Process for about 300 agents in “Maintenance Department”
- Old situation
 - Paper Based Time Sheet starting from empty page
 - Approval on paper
 - Double Manual Entry (Centrally in HR department)
 - For HR purposes: At summarized level in EuHReka (HR at Arinso)
 - For Costing purposes: At detailed level in non-SAP system interfaced with SAP



Intermediate solution

- Print “Paper Based Time Sheet” starting from “Planned Activities” (pdf)
- Gather Paper Time Sheets centrally
- Manual Entry in WEB Dynpro application
- Approval in WEB Dynpro application
- Entry in SAP through CATS with standard interfaces to:
 - HR and EuHReka
 - CO, PM & PS modules for costing purposes

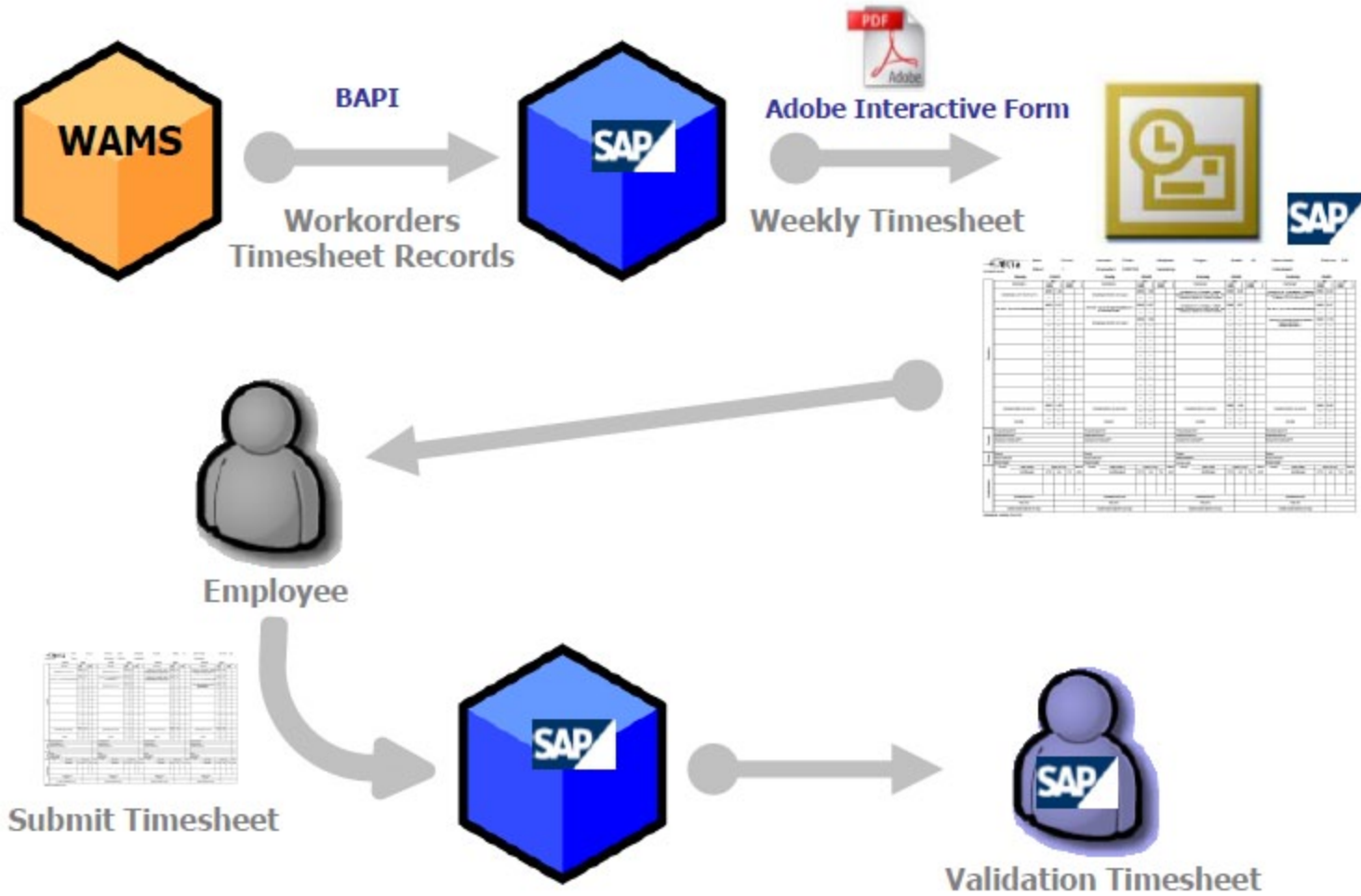
Disadvantages

- Uses a lot paper
 - A3 form printed – 1 or 2 per week per agent
- “Time wasted” to centralize paper forms for manual entry (courier service)
- Especially a problem for the last week of the month (time constraint due to Payroll Run)
- Still time spent on “Manual Entry” (although limited – only differences plan vs actual)



Use of Adobe Interactive Forms

Final "Interactive" Solution





Solution = Adobe Interactive Form

- SAP non standard transaction “sends” interactive form instead of printing a pdf, containing
 - Same data as the paper form
 - Different layout (1 A4 page per day)
 - Controls and drop down lists for certain values
- Agent fills out the form (can be done offline) and clicks “Submit” (need to be on-line)
 - Number of checks are carried out
 - Web Service is triggered to SAP PI
 - Data from the AIF is translated to BAPI input
 - BAPI is processed (replaces manual time sheet entry)
 - Completed data is transferred to xml for storage on a file server (for archiving purposes)
- Responsible validates the timesheet in WEB Dynpro application

Advantages

- No use of paper
- No time wasted to centralize the paper forms (no courier service)
- Less timing problems at month end
- No more “manual entry”





Thank you!

