

DDR Phase II, MPR and DPR



Status @ EPIM report user forum

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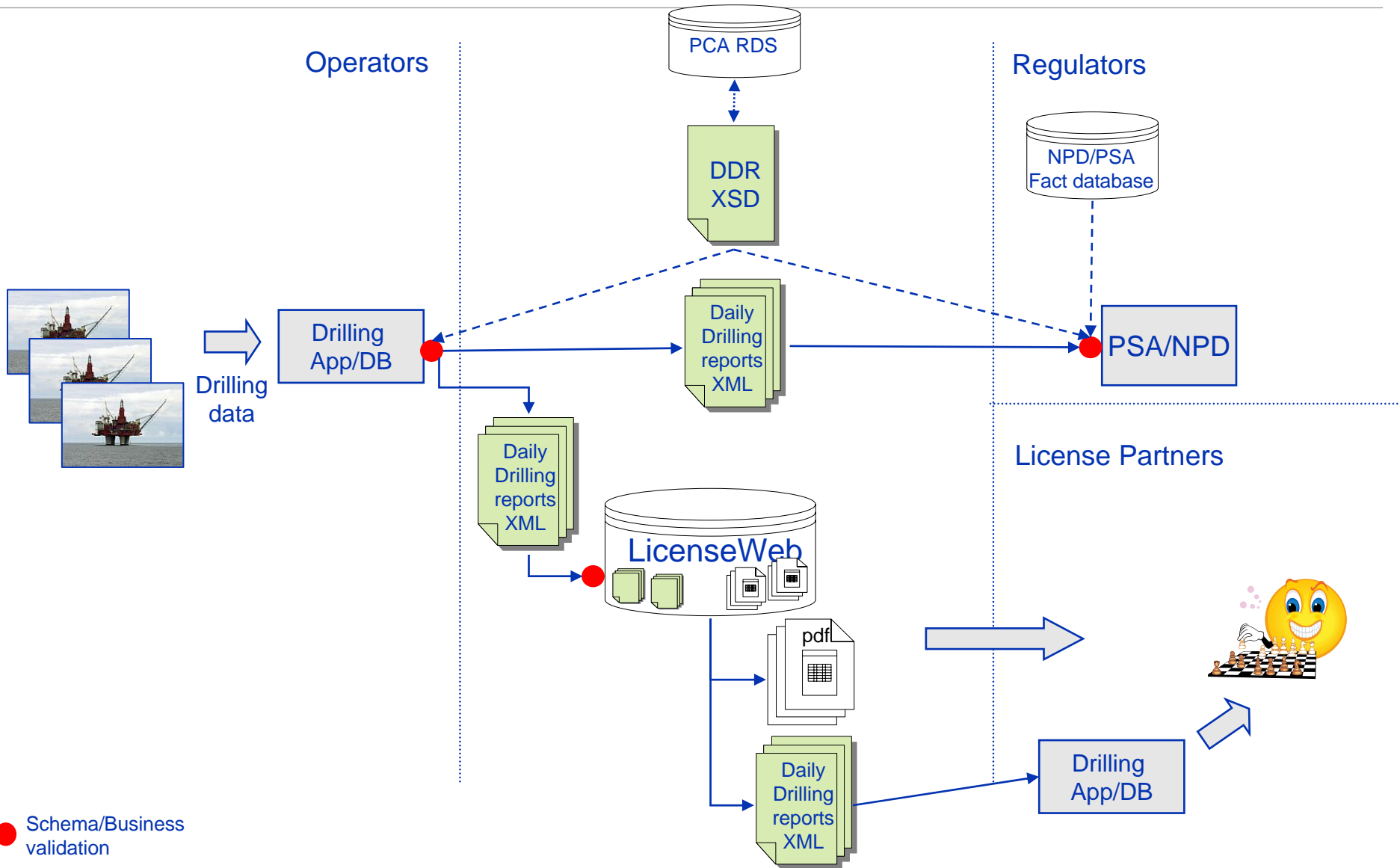
- DDR Phase II status
- Reference data for production reporting

- Daily Drilling Reports (DDR) are submitted to PSA on the new XML formats either automatically through PSA's published web services, or manually through PSA's web page
- The new regime has been up and running since February 2008, some necessary corrections and adjustments to the XML schema have been identified.
 - Misspelling of enumerated values
 - Wrong data types used in some instances. For example are some 'comments' limited to 256 characters
 - Some elements may be changed from 'optional' to 'mandatory' in the report
 - WITSM is at a new active version
- It has been proposed to use the standard 'Semantic Annotation of Web Services and XML schema' (SAWSDL) for references to the definitions of the XML elements in ISO 15926
- PSA develops a user guide with instructions on how to report Daily Drilling Reports
- The error messages from PSA's validation mechanism should be understandable for not trained personnel

- Daily Drilling Reports on different formats are distributed from operators to license partners
 - They normally have a different information scope than the reporting to PSA. An extension of the daily drilling report content is not included in this scope, but should be considered at a later stage
 - The scope of this project is to provide a common way of distributing the Daily Drilling Report as submitted to PSA to license partners

- A common report layout will be developed
 - Based on XSLT

DDR to regulators and license partners



● Schema/Business validation

Tasks running in the DDR Phase II project

■ Partner reporting in License web

- Same information content as submitted to PSA

Status:

- Specification document completed
- Build - have to wait until LW upgrade project goes live

■ Updates to XML schema

- WITSML 1.4.0 compliance
- Correction of misspelling of enumerated values
- Correct use of wrong data types (For example on comments which are limited to 256 characters)
- Some elements may be changed from 'optional' to 'mandatory' in the report.
- SAWSDL annotation
- Coordination with Energistics

Status:

- Testing
- Cut-of date for reporting on new formats to PSA not settled

Status:

- Business rule validation error messages will be updated by cut of to new formats

- Standard report layout for PDF reports

Status:

- Completed

- User guide updates - PSA

Status:

- Draft version available at (http://www.ptil.no/getfile.php/PDF/DDRS%20-%20borerapportering/WITSML_drillReport_profiled_schema_for_usermanual.xml)

- Schema validation error messages - PSA

Status:

- Business rule validation error messages will be updated by cut of to new formats

Identified during DDR Phase 1

- Operation codes
- Cement
- Period of operation
- “Drilling like units of measure”
- Formation name – selection list
- Datum (reference points)
- Casing type
- Pressurized coring
- Well stimulation (At well testing) indicator
- Perforation - Shot density
- RIGTYPE
- Bit data
- Side track
- Tight wells

Identified during DDR Phase 2

- **Cost**
- Report nr -> A sequence number. Each day of operation is a new number increment
- Start date -> Start of reporting/operation
- Water depth
- Bit record (additional info): grading, depth in, depth out, drill length (m), duration (hr), rop (m/hr)
- Casing (new section): OD (in), top, bottom, weight, grade, estimated top of cement

■ DPR

- Concepts available in PCA RDL, not 1:1 mapping to XSD
- Report available on OLF's web site

■ MPR

- Values in enumerated lists defined in PCA RDL, 1:1 mapping to XSD
- Some clean up required - in progress
- SAWSDL – SW for automatic annotation prepared
- Report - in progress



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