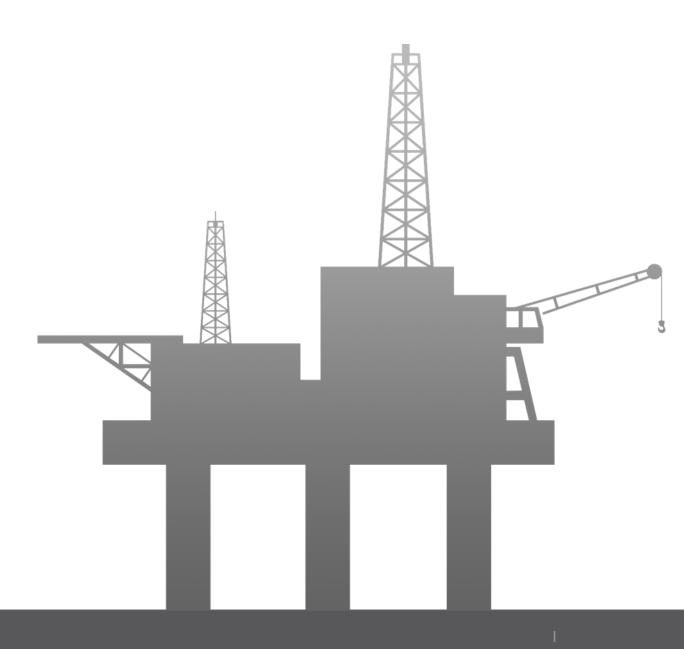
EPIM

New Format for Production Reporting on NCS

May 7 2014



#### Content

- About EPIM
- New Schema for Production Reporting
- How/when to use it?
- How to get started?
- How to submit Production Reports
- Released versions and version control





By the industry, for the industry.

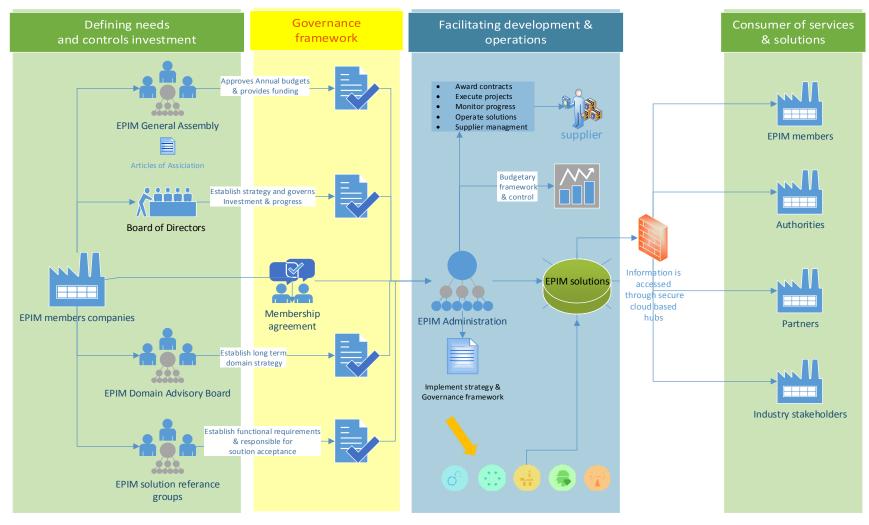
Facilitating solutions and services for the oil & gas industry through standardization of requirements and processes.







### **EPIM Governance Framework**







#### **EPIM Domains and Services**





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### New Schema for Production Reporting

- Development started approx.. 10 years ago
- Goal:
  - Replace existing text-based COPEX report
  - Standardized format for production reporting
  - One XML schema as a basis for reporting
    - To partners and authorities
    - Monthly and daily

### Released versions and version control

#### Version Control

EPIM is the responsible body for maintaining and enabling enhancement to the MPRML This task is handled by the "MPRML steering group"

#### Two released versions of the schema

- → MPRML1.0.0
- → MPRML1.0.1

→ An authority report based on the MPRML1.0.1 shall validate against MPRML1.0.0

→ Main different: some element set as optional in MPRML1.0.0 are mandatory in MPRML1.0.1

**EPIM** recommends operators to use MPRML1.0.1



#### How/when to use it?

**Monthly Production Report to Authorities** 

**Monthly Production Report to Partners** 

**Daily Production Report to Partners** 



### Monthly Production Report to Authorities

- This format will replace the existing COPEX format
- (COPEX will be accepted until 1 Januar 2016)
- For requirements on what to report visit <u>NPD homepage</u>



### Monthly Production Reporting to Partners

 Currently operators share production data with partners in many different ways, on different formats and with different naming

> Many tailor-made solutions are needed for partners to load data into internal systems

• MPRML gives operators and partners a standardized and common agreed format

> Operators only need one format to conform to

> Partners only need one format to conform to

## **Daily Production Reporting to Partners**

- Currently (most) operators share production data with partners in the DPRML1.0.0
- EPIM encourages all users to adopt to the new MPRML1.0.1 format for daily production report



The schemas can be downloaded from EPIM web pages <a href="http://www.epim.no/epim/main/home">http://www.epim.no/epim/main/home</a>

EPIM guideline on how to use the schema is available from same page

Visit the MPRML repository on GitHub

https://github.com/EPIM-Association/MPRML/issues

For access to this repositrory contact <u>ep-domain@epim.no</u>

#### The schemas can be downloaded from EPIM web pages

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http://www.epim.no/epim/main/home

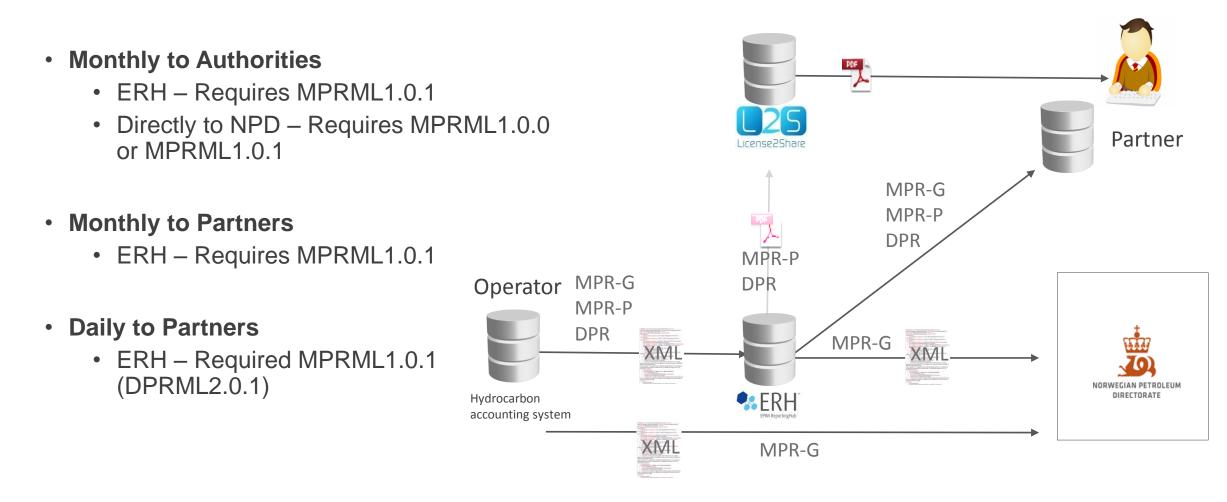
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DPRML 1.0.0 documents	EPIM guideline - How to use the MPRML	
DPRML 2.0.1 documents	Version 1.0, Last updated: 2014-01-06	-
MPRML 1.0.0 documents	Table of Contents	
MPRML 1.0.1 documents	Table of Contents	
MPRML online user guideline	<u>1 Background</u>	
	<u>2 History</u>	
	<u>3 Installation and preparations</u>	
	<u>4 Data coverage</u>	
	5 Understanding the definitions used in the production reporting standard	
	5.1 Facility	
www.epim.no	5.1.1 Supported facility types	

#### Visit the MPRML repository on GitHub

#### https://github.com/EPIM-Association/MPRML/issues

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Created by you	0	Update documentation with respect to parameter set usage documentation       #3         Opened by magsv 5 days ago       #3				#3				
Mentioning you	0									

# How to submit Production Reports



#### <?xml version="1.0" encoding="UTF-8" ?>

- <objects version="1.0(MPRML)" xmlns="http://www.epim.no/schemas/mprml/1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
- + <context xsi:type="obj\_report">
- <object xsi:type="obj\_productVolume">
  - cname>ÅSGARD

<installation kind="field" namingSystem="NPD" uidRef="43765">ÅSGARD</installation>

This element is now required

- + <racility>
- + <facility>
- + <facility>
- + <facility>
- </object>
- <object xsi:type="obj\_productVolume">
  - <name>MIKKEL</name>
  - <installation kind="field" namingSystem="NPD" uidRef="1630514">MIKKEL</installation>
- + <facility>
- </object>
- <object xsi:type="obj\_productVolume">
  - <name>YTTERGRYTA</name>
  - <installation kind="field" namingSystem="NPD" uidRef="4973114">YTTERGRYTA</installation>
- + <facility>
- </object>
- </objects>



<?xml version="1.0" encoding="UTF-8"?>

<objects version="1.0(MPRML)" xmlns="&lt;/th&gt;&lt;th&gt;http://www.epim.no/schem/&lt;/th&gt;&lt;th&gt;as/mprml/1" xmlns:xsi="http:/&lt;/th&gt;&lt;th&gt;/www.w3.org/2001/XMLSchema-instance"></objects>
---

- + <documentInfo>
- + <context xsi:type="obj\_report">
- + <object xsi:type="obj\_productionOperation">
- + <object xsi:type="obj\_wellTest">
- <object xsi:type="obj\_productVolume">
  - <name>KRISTIN</name>
  - <installation namingSystem="NPD" uidRef="1854729" kind="field">KRISTIN</installation>
  - <facility>
    - <name namingSystem="NPD" uidRef="1854729" kind="field">KRISTIN</name>
    - <facilityParent1 namingSystem="String" uidRef="x" kind="block valve">String</facilityParent1> <facilityParent2 namingSystem="String" uidRef="x" kind="block valve">String</facilityParent2>
    - Calify all and a standard and a standard a
    - <facilityAlias namingSystem="String">String</facilityAlias>
    - <facilityAlias namingSystem="String">String</facilityAlias>
    - <contextFacility namingSystem="String" uidRef="x" kind="block valve">String</contextFacility>
    - <contextFacility namingSystem="String" uidRef="x" kind="block valve">String</contextFacility>
    - <downtimeReason uid="cef019cf-086f-11e2-85fc-d067e534860e">
      - <who>MR Who</who>
      - <role>Platform manager</role>
      - <dTimStart>2012-03-01T02:00:00.0Z</dTimStart>
      - <dTimEnd>2012-03-01T04:00:00.0Z</dTimEnd>
      - <remark>Of course, the earlier discussion of deviance is rather different from the traditional practice of g</remark>

This element is now required

- </downtimeReason>
- <downtimeReason uid="cef040e1-086f-11e2-a84c-d067e534860e">
  - <who>Mr Who2</who>
  - <role>Platform manager 2</role>
  - <dTimStart>2012-03-01T06:00:00.0Z</dTimStart>
  - <dTimEnd>2012-03-01T14:00:00.0Z</dTimEnd>
  - <remark>Furthermore, the speaker-hearer's linguistic intuition raises serious doubts about the extended c-co</remark>
- </downtimeReason>
- <flow>

```
aliteration and a second se
```

<object xsi:type="obj\_productVolume">

<name>KRISTIN</name>

<installation kind="field" namingSystem="NPD" uidRef="1854729">KRISTIN</installation>

<facility>

<facility>

<name kind="flow meter" namingSystem="STATOIL" uidRef="NaN">Fiscal metering station 1</name> <facilityParent1 namingSystem="String" uidRef="x" kind="block valve">String</facilityParent1>

<facilityParent2 namingSystem="String" uidRef="x" kind="block valve">String</facilityParent2>

<facilityAlias namingSystem="String">String</facilityAlias>

<facilityAlias namingSystem="String">String</facilityAlias>

<contextFacility namingSystem="String" uidRef="x" kind="block valve">String</contextFacility> <contextFacility namingSystem="String" uidRef="x" kind="block valve">String</contextFacility>

</pre

<name>Kristin MPM1 measured volumes</name> <kind>production</kind>

<qualifier>metered - fiscal</qualifier>

<version>2012-02-01T09:00:00.0Z</version>

<versionSource>version src 826</versionSource>

<gor uom="Euc">49.69</gor>

<gorMTD uom="m3/m3">60.39</gorMTD>

<waterConcMass uom="%">50.75</waterConcMass>

<waterConcVol uom="ppm">73.72</waterConcVol>

<atmosphere uom="Pa">23.85</atmosphere>

<volumeValue>

<volume status="comm failure" uom="m3">950.17</volume>
<grossCalorificValue uom="J/m3">737.98</grossCalorificValue>

EPIM

Thank you for you attention E&P subsurface Domain Responsible - Kari Anne Haaland Thorsen

