

Agenda READI RDS-O&G Launch webinar 25th of June 2020

Time	Subject	Speaker
09:00 – 09:05	Welcome and introduction	Torleif Saltvedt, Equinor RDS work group
09:05 – 09:20	Why do we have READI project – what are our challenges?	Steinar Mollan, Equinor Chair Steering committee
09:20 – 09:40	Why did we choose ISO/IEC 81346?	Robert Skaar, Equinor TIRC-demo team
09:40 – 10:15	ISO/IEC 81346 General introduction for the oil and gas industry Q&A 5 min	Henrik Balslev, Systems Engineering
10:15 – 10:30	<i>Break – Away from screen</i>	
10:30 – 11:00	RDS-O&G Get-Started kit (Booklet, Manual and Tables) Q&A 5 min	Henrik Balslev, Systems Engineering
11:00 – 11:30	RDS-O&G practical example from TechnipFMC Q&A 5 min	Kirsten Helle, TechnipFMC RDS work group
11:30 – 11:45	READI Implementation of ISO/IEC 81346 – only in digitalized version and only in READI	Robert Skaar, Equinor, TIRC-demo team
11:45 – 12:00	Closing remarks & comments	Torleif Saltvedt, Equinor RDS work group

For reflection

- Can a tagging system be outdated?
- Is a tag system made for pen and pencil, fit for computers?
- Is current tag system supporting digitalization and digital twins?
- Would we make our tagging system be the same, if we made it today?



Reflections on tagging systems

- A tag is just an identifier
- The purpose of tag is to make ambiguous name of something
- There are many different tag systems
- Current oil and gas tagging system is more than 50 years old

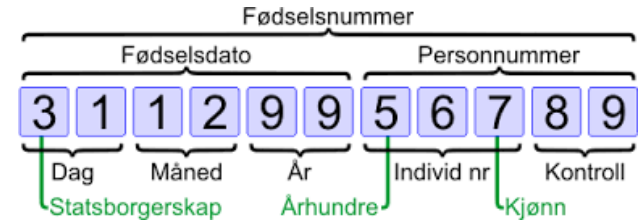


Examples of tagging systems

- License number on cars



- Social security number for people



- International Standard Book number, ISBN



- Barcodes for goods we buy



The current oil and gas tagging method

- Current Oil and gas tagging method is more than 50 years old
- It's invented before we had computers, in «the pen & paper age»
- Our tag method have only one or two system levels and only one perspective

The first Eureka moment

- After weeks and months of frustration, we acknowledge that we will not be able to digitalize requirement using current tag method
- That is due to that current tag method is not detailed enough to digitalize requirements de to lack of asset break down levels and too few aspects
- Basically: current oil and gas tag method is outdated and should be updated in accordance with business needs for digitalization and digital twins

The second Eureka moment

- When we acknowledge that we couldn't use our current tag method, we started to explore other possibilities
- Then we came across 81346, Reference Designation System
- This is another metode of identifying equipment, than we use today
- It's have a history of at least 50 year
- It's used in other industries like electric power plant, airplane, construction and wind industry

Advantages with 81346

- Have in theory an unlimited system levels
- Have several aspects on the same object (common, operation, maintenance, project)
- Do not need one tag master, identifiers can be made by all parties in the supply and value chain

Advantages with 81346

- Support current engineering software solution, that have several aspects
- Support how project, integrity, operation, maintenance are working today
- Support digitalization of requirements!

Compare 81346 with 3D CAD transformation

- Drawing board where used for many centuries
- During the 1990's we started using 3D CAD
- 3D CAD where introduced when beneficial
- Changing to 81346 can be compared with transformation to 3D CAD

Compare 81346 with 3D CAD transformation

- Current tag system have reached it's lifetime
- Both tag systems will exist together for a period of time
- 81346 will probably lead to new solutions (like 3D laser scan for 3D)

We choose 81346 because:

- It supports digitalization of requirements
- We can make the level of system levels we need
- We can make the aspects we need
- Don't need a tag master for contractors/suppliers
- It supports current engineering software
- It support how project, integrity, operation, maintenance are working