

Questions and answers

READI Demo #5

Q 1. What are ontology features?

Ontologies and semantic technology are central to enabling the READI digital framework for digitalizing requirements. For more information please have a look at READI's web pages <https://readi-jip.org/digital-framework/enabling-technology/> or feel free to contact the project for more information.

Q 2. Will the slides used in the demonstration be shared after the session?

Yes, the slides and a recording of the session is shared here <https://readi-jip.org/downloads/>.

Q 3. Can you demonstrate what it would look like if the pump does not fulfill all requirements?

This is not prepared for in this demonstration specifically, but it may of course be included in future demos. This depends on the prioritizations of the development team.

Q 4. How do you know if the pump is an "overkill", not just satisfying the requirements? When thinking of optimization.

The example was just demonstrating compliance with requirements. It is possible to evaluate/compare requirements vs. properties - also automatically for a catalogue of products to find fit-for-purpose products.

Q 5. What does the requirements look like in machine readable format?

The machine-readable requirements can be represented in different formats, for example in Json. For illustration purposes a picture of parts of such a json file is available [here](#)

Q 6. Can you say more on the use of open standards in the exchange of information between parties?

The framework developed in READI is fundamentally based on international standards with global applicability. The enabling technology is based on information standards from W3C, the "upper part" of the language used for representing the vocabularies used for classification is based on an ISO standard called ISO 15926 Part 14, the functional naming and break down structures of assets are based on ISO/IEC 81346 and we will use different international standards to define the necessary vocabularies for the asset model classifiers. Please have a look at this page <https://readi-jip.org/digital-framework/> for more information.

Q 7. Don't we achieve the same information consistency already with Sharecat/eqhub?

It is correct that you will get the same information (NORSOK Z-018), but you will have more functionality compared to Sharecat and Eqhub – for example fully machine-readable formats. Further the READI service will include more technical information requirements, cf. NORSOK Z-001, when completed.

Q 8. In the software demonstrated, how can you pull out requirements for a SKID with multiple equipment?

We are currently working on a use case which we hope we will be able to demonstrate in one of the coming demo sessions.

Q 9. Do you only have 4 requirements for the XT (Xmas-tree) on the operator side?

Of course, there will be more requirements for a Xmas-Tree (XT). The purpose of this session was only to demonstrate functionality of the service.

Q 10. How are the contractors filling in the requirement templates?

Ideally, requirements received from an operator will be checked automatically using a generic algorithm (ontology reasoning) against the asset model that the contractor builds.