



CFIHOS Overview – MIMOSA Open Meeting-Spring 2021

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Peter Townson - Project Director CFIHOS (JIP36)



Agenda



- CFIHOS
 - Purpose
 - Membership
 - Road Map
- CFIHOS & MIMOSA
 - How are we going to work together?
 - Pilot - Procurement of Equipment
 - Further opportunities to work together



CFIHOS Purpose

Create a handover specification that can be implemented by operators, contractors and equipment manufacturers and suppliers to standardise the specification of information handover requirements for a project.

CFIHOS will transition to an international standard – our intent is ISO 15926.

What is it?

CFIHOS (pronounced see-foss) is an information standard delivering a common language for equipment and engineering deliverables across the supply chain.

The goal of CFIHOS is to eliminate the friction in getting the right data and documents to start, operate, maintain, and decommission your facilities.

Why now?

As CFIHOS matures, it provides an important service as a common language to translate company specific terminology and requirements to industry language.

In industry we've not previously focused on efficiency as much as we do today. CFIHOS will bring us the ability to increase efficiency, reduce duplication and retain the value of information as it transfers across a project lifecycle.

What is it not?

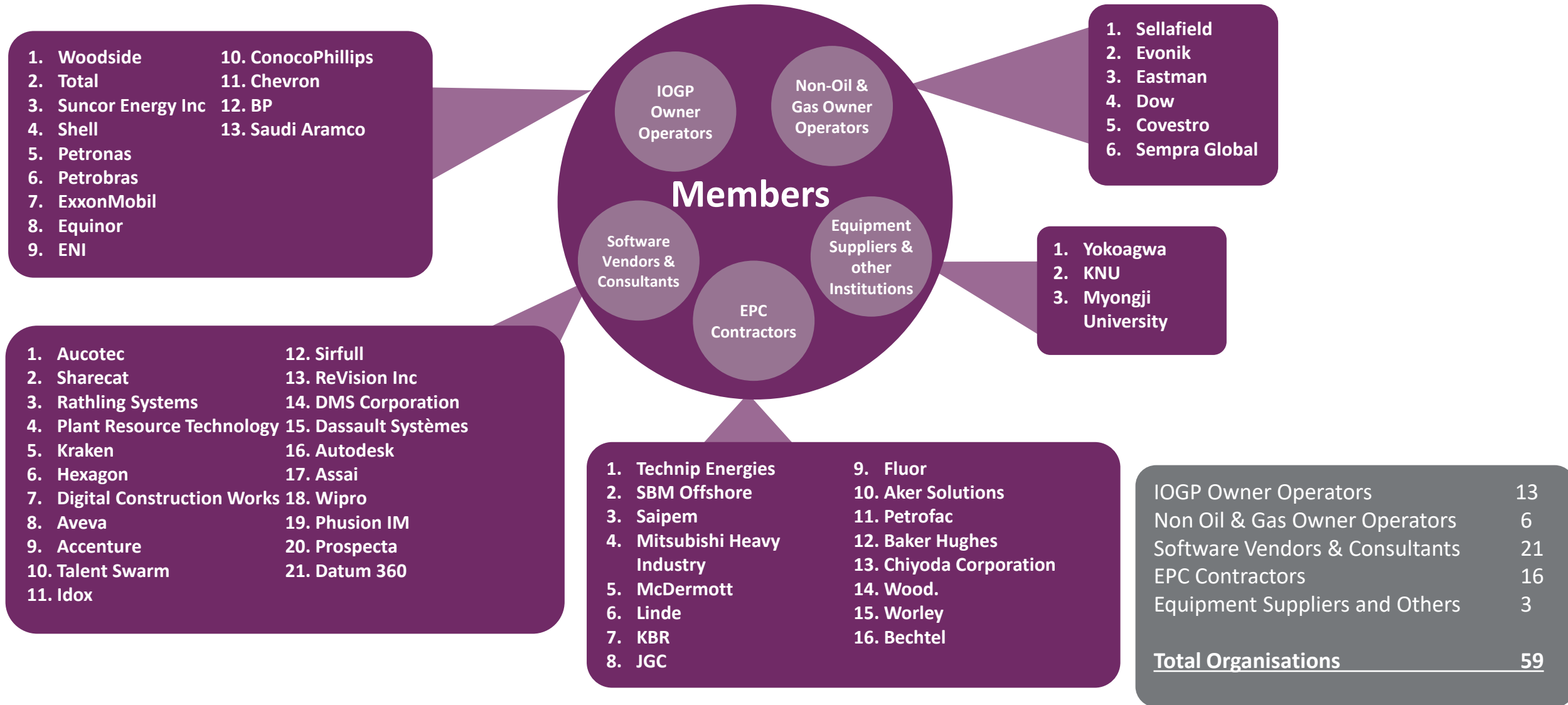
CFIHOS is not cost plus. What it specifies is a common language and structure to turn over information that already exists in EPC systems.

It is not above and beyond what we have asked for before, this just elevates it from PDF to true data.



CFIHOS Membership

Participation has grown to 59 organizations across multiple industry sectors, with over 320 individual members



CFIHOS Roadmap



We will ensure the value and benefits of CFIHOS, as an industry wide standard, have been identified and communicated with stakeholders to achieve industry results.

We will develop the concept of project surveillance to manage the total lifecycle of information required for the handover across the supply chain into operations.

We will develop comprehensive knowledge and understanding of CFIHOS Reference Data Library across the overall supply chain.

We will facilitate the adoption of replicable and reusable design approaches central to Oil & Gas industry improving cost efficiency – design one – build many.

We will ensure information handed over from the Project to Operate Phase is sufficient, timely, and suitably format to facilitate continued plant operations and maintenance.

We can provide interim guidance on typical deliverables relating to equipment classes which have not yet been addressed by efforts like JIP33.



We will align with JIP33, the leading Oil & Gas industry standard for procurement being adopted by the majority of Owner Operators.

We will drive alignment to the correct and appropriate standards.

We will improve spare parts information delivery facilitating the optimisation of maintenance and spares holding strategies.

We will develop a 2d and 3d model handover concept across supply chain into operations.

We will initiate the bridge between our RDL and monitoring & real time information taking into account the latest technology developments.

We will provide guidance on how to check readiness and health of CFIHOS implementation.

We will ensure that the content of the published specification is maintained, and continuous improvements made.

CFIHOS and MIMOSA



MIMOSA is one of several MOUs CFIHOS has.

Purpose of the MIMOSA MOU

To identify areas of cooperation between CFIHOS and the Machinery Information Management Open Systems Alliance (MIMOSA), including areas that can be carried out jointly by CFIHOS and MIMOSA to share information for the benefit of the International Asset Intensive Industries.

It is the intention of all MOU participants to vest the end deliverables and results within ISO and IEC standards, to the greatest practical degree.

How are we going to work together?



It is the intention of the organisations to coordinate, cooperate, and share the following activities:

Standards-based interoperability is the preferred mechanism for achieving industry digital transformation

Sharing Technical Information Requirements information and CFIHOS RDL

Information model structures and standards enabling broad digitalization in the oil and gas sector

Operationalisation of Collaboration

We'll do this by conducting a pilot

Pilot - Procurement of Equipment



Purpose

- Actions being taken in line with the MOU agreed between CFIHOS & MIMOSA
- Show the mutual beneficial combined use of the IOGP CFIHOS RDL & OpenO&M™ Open Industrial Interoperability Ecosystem™ (OIIE™)/ISO18101 as agreed.

Objectives

- To demonstrate how standard industry and international standards currently work to support 'known' industry business requirements, framed as OIIE Use Cases
- data models & structures (MIMOSA CCOM, Proteus)
- reference data including RDLs, OTDs, ISDDs, lists, taxonomies/breakdown structures, ontology(multiple); IOGP CFIHOS RDL, OpenO&M ISDDs
- interoperability frameworks (OIIE/ISO18101)

Methods

- Identify where rationalisation and improvement is required.
- Demonstrate the efficacy of these using pragmatic industry use cases, such as:
 - RFI/RFI Response (OIIE Use Case 12)
 - Procurement of equipment/device (LV Motor and Instrument) (New OIIE Use Case)
 - Capital Project Asset Installation (OIIE Use Case 15)
- Using OIIE OGI Pilot
- Review the methods then critique and develop improvements to the process

Further opportunities to work together



The MOU will also at a later stage follow up the following areas:

Being an enabler for conceptual discussions (including classification) for the above addressed issues, including identifying which body could/should lead such process and discussions

Establish a step-model enabling and ensuring industry ROI (return of investment) and implementation

- Develop a tactical plan with useable deliverables, as a part of the overall strategic model
- Identify leavers for addressing deliverables according to plan
- Clarify relevant cooperation areas with other similar industry bodies such as Sectorial Board Petroleum/Standards Norway and READI-JIP MOU, through a similar CFIHOS MOU

Questions?





International
Association
of Oil & Gas
Producers



For more information please contact
Peter Townson

Project Director
CFIHOS (JIP36)

pt@iogp.org

www.iogp.org

Registered Office

City Tower
Level 14
40 Basinghall Street
London EC2V 5DE
United Kingdom
T +44 (0)20 3763 9700

Brussels Office

Avenue de Tervuren 188A
B-1150 Brussels
Belgium
T +32 (0)2 790 7762

Houston Office

19219 Katy Freeway
Suite 175
Houston, TX 77094
United States
T +1 (713) 261 0411



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