



WHEN TRUST MATTERS



# The Open Class 3D Exchange Consortium

4th Full Member Meeting

DNV, Høvik

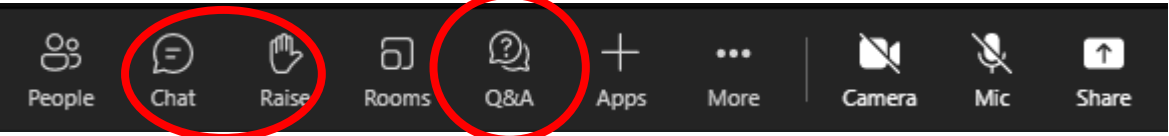
10 November 2022

# Welcome

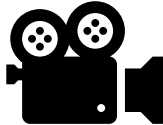
# Live meeting rules for remote attendants

## Remote set up

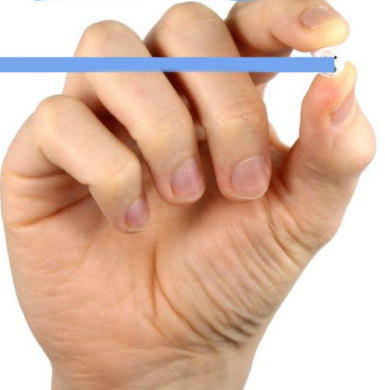
- Microphone and camera are disabled
- Chat and gestures are disabled



- Remote participants can post questions in the Q/A feed, see slide 4
- The moderator will announce your question
- The meeting will be recorded



RULES

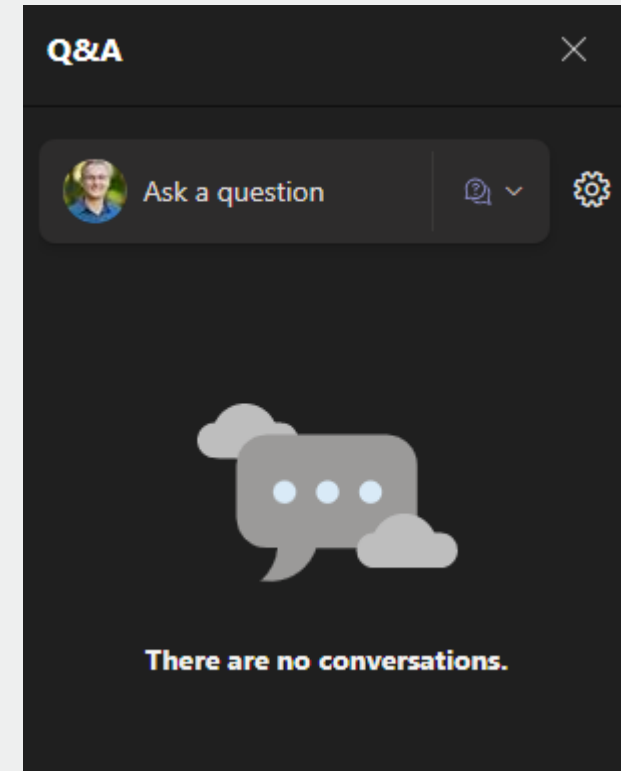
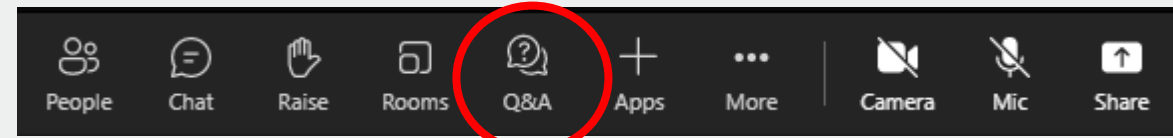


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# Q/A in Teams

## Ask a question

1. As an attendee, you can ask questions in the Q&A as soon as you join the event, even if the event hasn't started yet. If the event includes a Q&A, the Q&A panel will be open when you join.
2. Select Ask a question at the bottom of the pane
3. Type your question in the compose box
4. Select Send icon
5. If the moderator publishes your question, it appears on everyone's **Featured** tab, along with the answer. If it isn't published, it appears on your **My questions** tab where only you will see it, or
6. The moderator will read out your question and it will be answered orally in the meeting



# 4th Consortium Meeting, November 10, 2022

## Agenda, Part I

TIME	TOPIC	RESPONSIBLE
08:30	Coffee & mingling	
09:00	Welcome and introduction (Remote session and recording starts)	DNV
09:10	<b>Introductory session</b> <ul style="list-style-type: none"> <li>• New members since last meeting</li> <li>• Implementor Forum Update and plans</li> </ul>	DNV (Chair)
10:00	<b>Technical Session I</b> (25 min presentations, 5 min QA)	Chaired by DNV
	<b>Implementation of the OCX format in an Intelligent General Arrangement Tool</b>	Madalina Florean, <b>CADMATIC</b>
	<b>Utilization of OCX as Part of 3D Model Based Approval in Ship Design Process</b>	Tapio Seppälä, <b>NAPA</b>
	<b>Streamlining the design process. One model for all</b>	Svein Gigernes, <b>Kongsberg Maritime</b> Ozan Uyanik, <b>AVEVA</b>
	<b>3D approval: A real case</b>	Ole Chr. Astrup, <b>DNV</b> Ozan Uyanik, <b>AVEVA</b>
12:00	Lunch break	

# 4th Consortium Meeting, November 10, 2022

## Agenda, Part 2

TIME	TOPIC	RESPONSIBLE
12:00	Lunch break	
13:00	<b>Technical Session II</b> (25 min presentations, 5 min QA)	Chaired by DNV
	<b>OCX Revisited: The New Data Exchange Standard?</b>	Carsten Zerst, <b>PROSTEP</b>
	<b>Feedback of the current OCX schema and possible future evolutions</b>	Olivier Degrand, <b>BV</b>
	<b>Closing the loop: Feedback of comments and red-marking</b>	Ole Chr. Astrup, <b>DNV</b>
14:30	Open discussion	All
14:45	Break	
15:00	<b>OCX for floating wind, an opportunity</b>	Elling Rishoff, <b>DNV</b> Tore Christiansen, <b>DNV</b> Ole Chr. Astrup, <b>DNV</b>
15:45	Summary and the next steps	All
16:30	Adjourn	

# New members





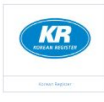









# Consortium Member status

4 new members since June 2022:











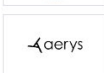






- Indian Register of Shipping and RINA
- Dassault Systèmes
- AITAC

The Consortium has now 31 members

Full

 DNV	 Bureau Veritas	 Lloyd's Register Foundation
 TÜRK LOYDU	 KR	 RCLASS
 CHANTIERS DE L'ATLANTIQUE	 AVEVA	 Baker Hughes
 HEXAGON	 SIEMENS	 SENER
 PROSTEP	 DIGITREAD	

Observers

 ABS	 CCS	 ClassNK
 RINA	 Bureau Veritas	 Skipssteknik
 DELTA MARIN	 inceen	 CADMATIC
 DASSAULT SYSTEMES	 aerys	 ALTAIR
 TECHSOFT3D	 SSI	 TIMETEC
 BA Software	 AITAC	



# Implementor Forum Update and plans

Task Group. Presented by Ole Chr. Astrup, DNV

# Implementor Forum Task Group, short re-cap

The Task Group (TG) is formed by the following six members:

1. **DNV** - Group lead (Ole Chr. Astrup)
2. **BV** (Hugues Moreau/Olivier Degrand)
3. **Chantiers de l'Atlantique** (Toni Bars)
4. **PROSTEP** (Mathias Grau)
5. **SSI/NDAR** (Nick Danese)
6. **NAPA** (Mikko Forss)

## Task Group mandate

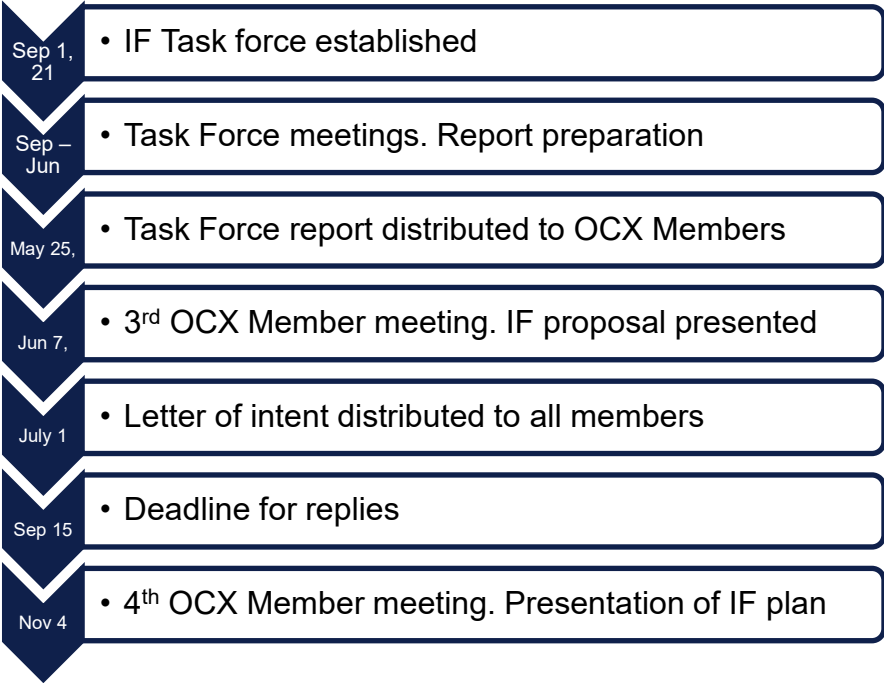
- **Prepare the decision basis setting up and running the OCX Implementor Forum**

It was agreed at the meeting on September 1, 2021, to evaluate two alternatives for organising an Implementor Forum (IF):

1. The IF is controlled by the OCX Consortium utilising only its resources
2. The IF is controlled by the OCX consortium utilising its resources if available and hiring missing expertise

# Status on IF Task Group actions

## Implementor Forum (IF)



**Ambition: OCX Implementor Forum up and running in 2023**

## OCX Implementor Forum

### Status financial support:

#	Company	Type of support
1	DNV	5000€
2	BV	5000€
3	LR	5000€
4	Türk Lloyd	5000€
5	Korean Register	5000€
6	Chantiers de l' Atlantique	5000€
7	Cadmatic	5000€
8	NAPA	Cash/in-kind
9	PROSTEP	Cash/In-kind
10	Kongsberg Maritime	In-kind
11	NDAR	In-kind

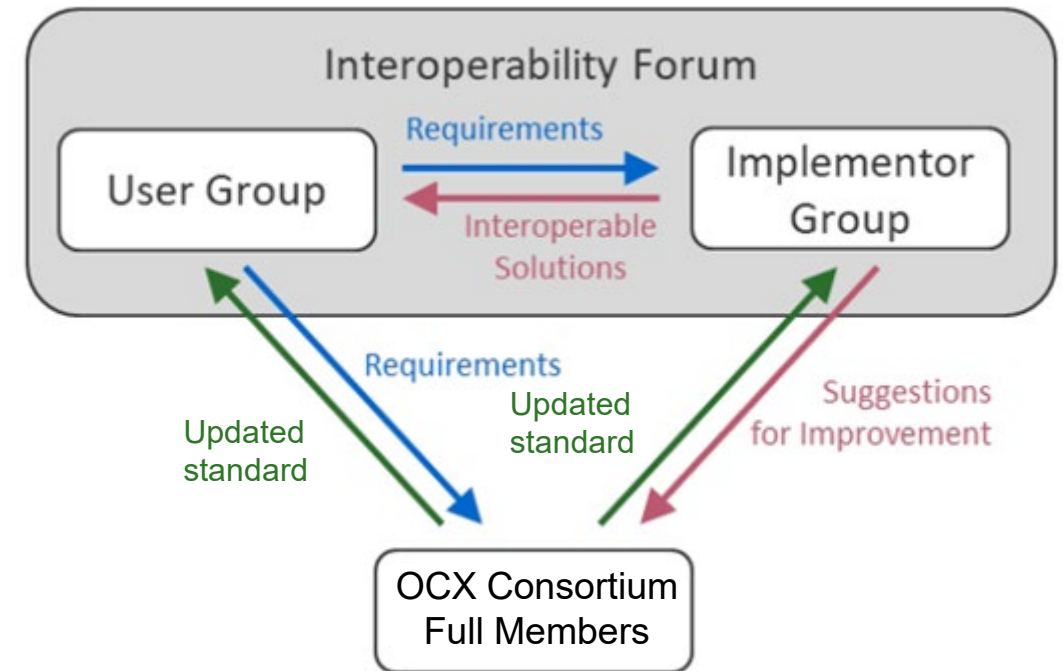
# The organisation of the Implementor Forum

A three-party relationship:

## 1. The Implementor/ Interoperability Forum

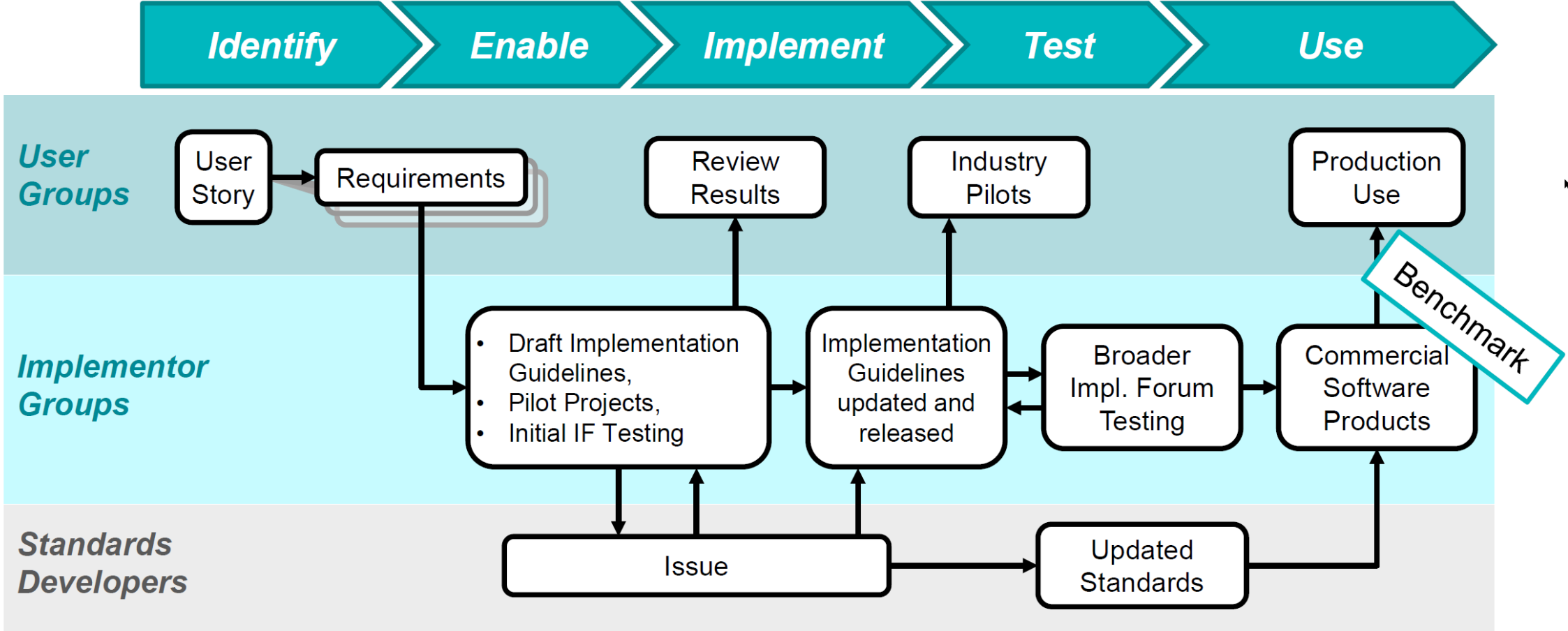
- A **User Group** representing end-users
- An **Implementor Group** representing SW vendors & classification societies implementing OCX support

## 2. The OCX Consortium $\equiv$ Standards Community



\*Provided by courtesy of PROSTEP Ivip

# Way of working between Users, Implementors and Standards developers

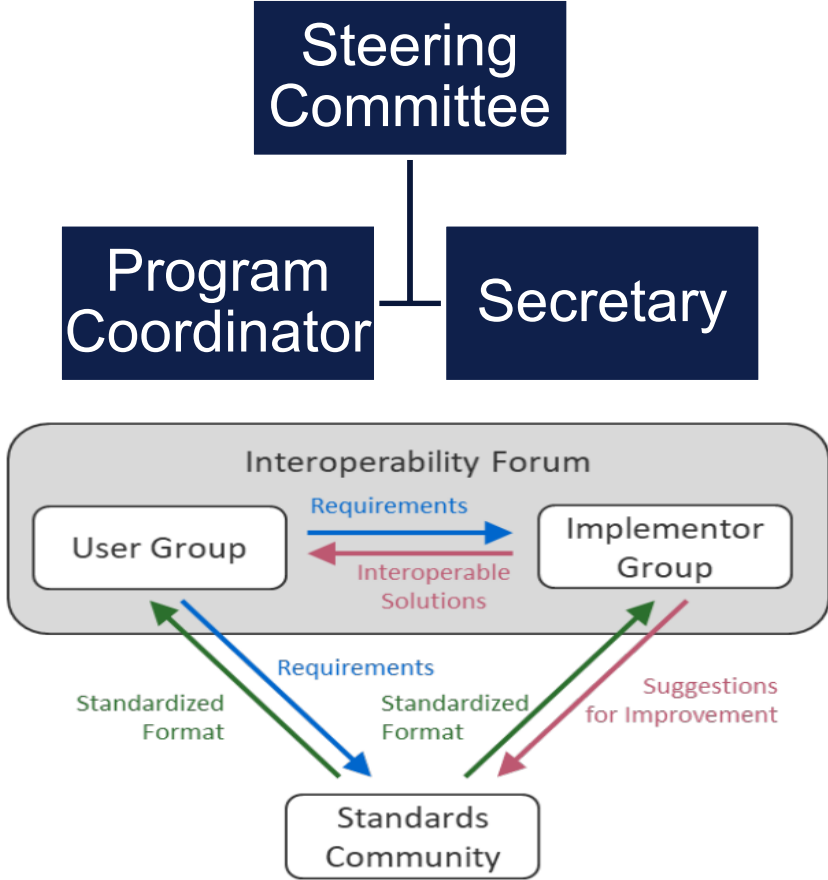


\*Provided by courtesy of PROSTEP Ivip

# OCX Interoperability Forum and Implementor Testing

## Definitions

- **OCX-IF:** OCX Interoperability Forum and Implementor Testing. The combined meeting place for the User and Implementor Group
- **Party:** An OCX-IF participant (from either the User or Implementor Group). Must be a member of the OCX Consortium
- **Parties:** All OCX-IF participants
- **Steering Committee:** One representative from each Party has voting right
- **Program Coordinator:** Hired in resource for facilitating the IF activities
- **Secretary:** The OCX Consortium Coordinator. Acting as the OCX-IF Secretary
- **OCX-IF Non-Disclosure Agreement:** The agreement between the Parties.

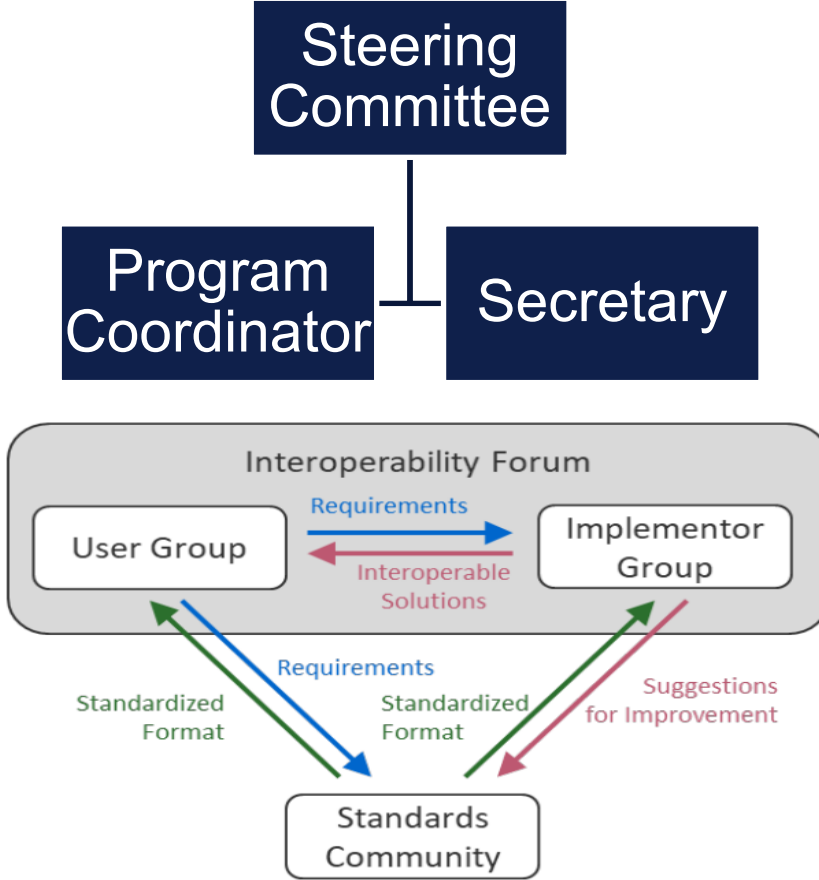


# OCX Interoperability Forum and Implementor Testing

## Objectives

*The aim of the OCX-IF is to accelerate the delivery of production level, use-case tested functionality and cross-platform workflows to the market*

PROPOSAL



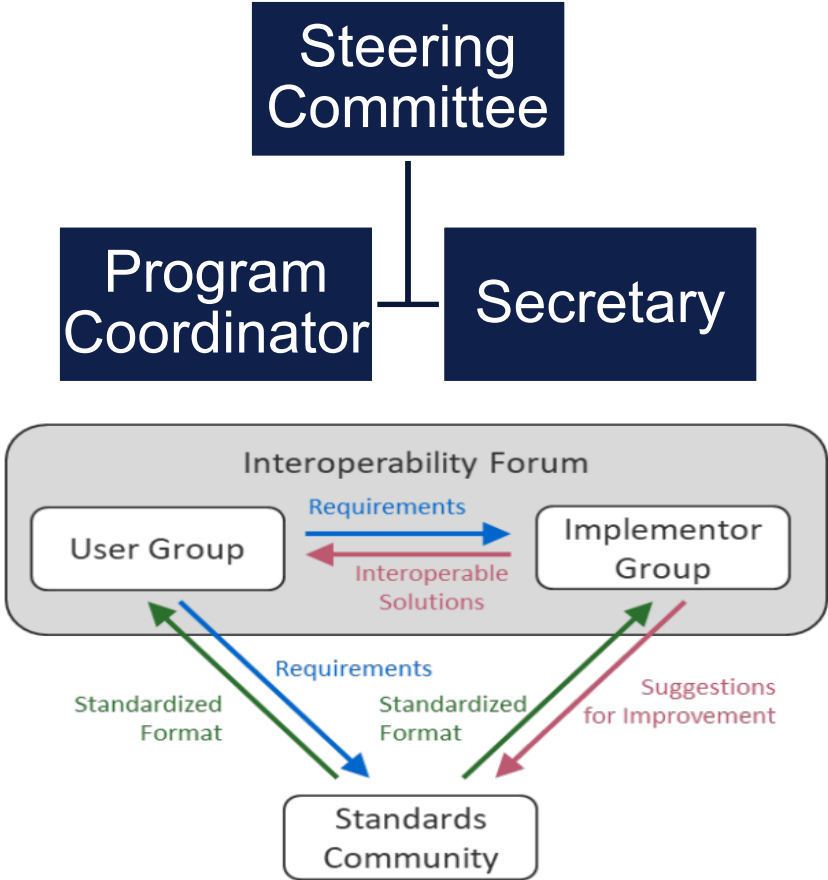
# OCX Interoperability Forum and Implementor Testing

## Steering Committee

Each Party to the Agreement has one representative in the Steering Committee

The Steering Committee takes the following decisions:

- a) approve the hiring of the OCX-IF Program Coordinator (2/3 of votes);
- b) approve the OCX-IF fee for the next year of operation; (2/3 votes);
- c) approve the OCX-IF budget for the next year of operation (2/3 of votes);
- d) amend or change the Agreement (80% vote);
- f) change the voting system if deemed necessary (2/3 of votes);





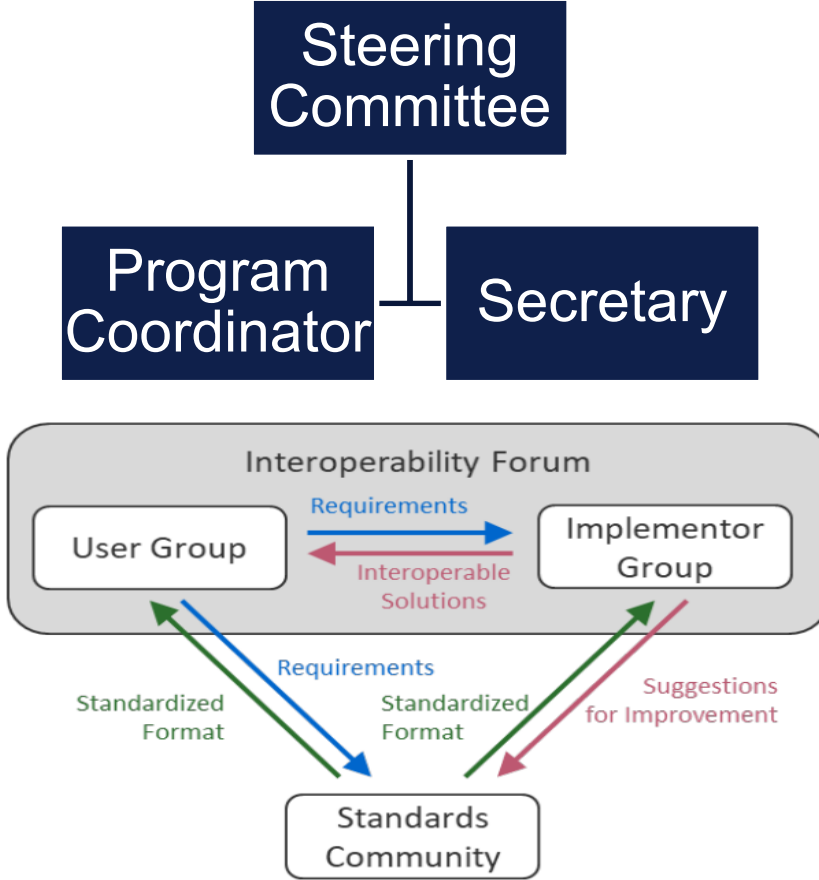
# OCX Interoperability Forum and Implementor Testing

## Secretary

The OCX Consortium Coordinator acts as the OCX-IF Secretary.

The responsibilities of the Secretary:

- The Party employing the Secretary will invoice the Parties at any time the agreed OCX-IF fee before the next year of operation.
- The Party employing the Secretary is responsible for holding the contract covering the services provided by the appointed Program Coordinator
- set up the OCX-IF budget and having this approved by the Steering Committee.
- provision the payment for expenses according to the approved budget.
- financial reporting to the SC
- call for SC meetings in close co-operation with the Program Coordinator



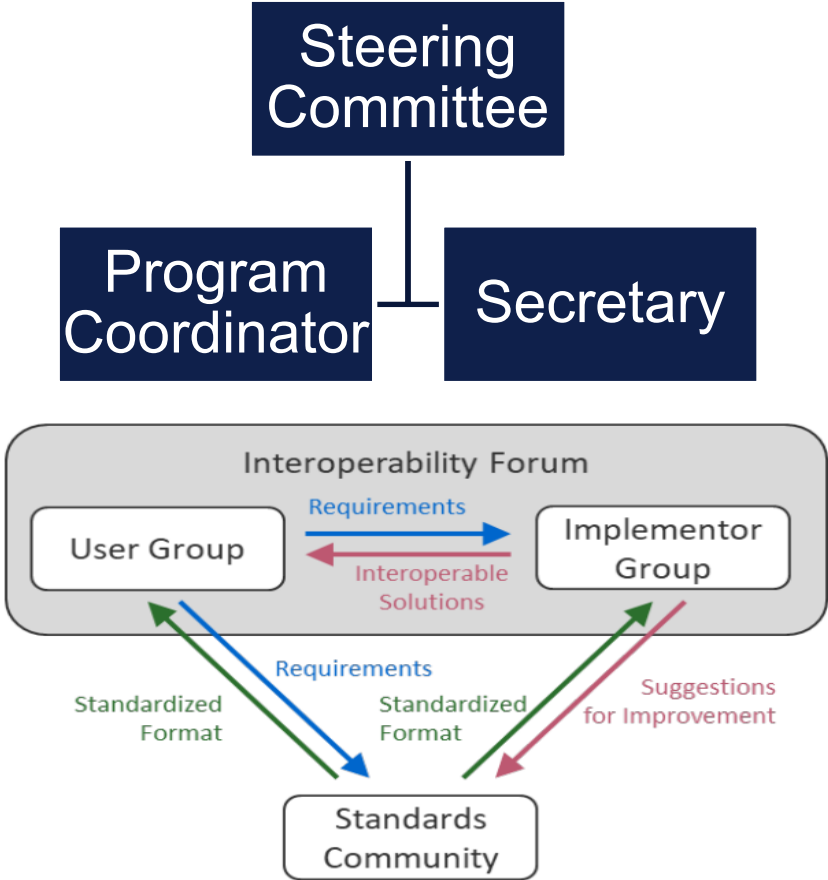
# OCX Interoperability Forum and Implementor Testing

## Program Coordinator

The Program Coordinator is hired in as a resource for facilitating and running the OCX-IF.

The Program Coordinator will:

- Lead the IF tasks
- Organise IF meetings
- Publish test round results
- Facilitate test rounds
- Mediate and align OCX interpretation and implementation issues
- Work closely with the Secretary on budget and plans
- Participate and report to the SC



# Task Group: Proposed next steps

- Prepare the draft OCX-IF non-disclosure agreement
- Involve the Members who responded positively to the letter of intent.
- Circulate the draft OCX-IF non-disclosure Agreement for their review
- Conduct agreement review meetings with the Parties
- Seek a candidate for the Program Coordinator role
- Facilitate the signing of the OCX-IF Agreement
- Timeline: November – February

# Thank You!

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