

**ISO/TC 142/WG 9 "Particulate air filter intake systems for rotary machinery and stationary internal combustion engines"**

Convenorship: SIS

Convenor: Johansson Ulf Mr

**Minutes from WG9 meeting no 24 - 20221123 - part 4**

Document type	Related content	Document date	Expected action
Meeting / Minutes	Meeting: <a href="#">VIRTUAL 23 Nov 2022</a> Project: <a href="#">ISO/AWI 29461-4</a>	2022-11-24	<b>INFO</b>

**Description**

Minutes from the 24th WG9 meeting.

Development of ISO 29461-4. Test method for static filters systems in marine and offshore environments

# ISO TC142/WG9



**Minutes of meeting – November 23, 2022, 15.00h – 17.00h**

Web meeting

## **1. Opening of the meeting**

Ulf opened the meeting at **15.05 hrs**

## **2. Roll call of experts**

There were totally 11 delegates (10 experts 1 liason) documented at the meeting, see separate attendee list, N285

## **3. Adoption of agenda**

The agenda was adopted.

## **4. Approval of last meeting minutes**

No comments to the meeting minutes.

## **5. ISO/CD 29461-4 Air intake filter systems for rotary machinery — Part 4: Test methods for static filter systems in marine and offshore environments**

Report by project leader Daniel Iggander:

The project leader presented the additions to the draft since the last meeting. The drawings and details of Annex A still needs to be done.

The WG9 group experts discussed comments from the experts that has been sent to the project leader prior the meeting.

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Totally 33 comments were discussed and decided upon, all the comments and actions can be found in document N286.

## Main comments discussion:

- **Change of title**

Should we change the title of the standard? The title now contains "...marine and offshore.." but the suggestion was that also coastal applications are important and should be covered by this standard. Suggestion was to change to:

*"ISO 29461-4 Air intake filter systems for rotary machinery — Part 4: Test methods for static filter systems in coastal ~~marine~~ and offshore environments".*

The change of name may need additional actions within the TC142, Ulf will check on how to proceed with a name change. All the experts were positive to change to (or include?) coastal in the title. If change can be made relatively easily the final name will be decided at a later meeting.

- **End-of-test criteria**

Several comments on how and when to end the test.

End-of-test criteria are currently: Maximum test time (120 h), pressure drop and water penetration detection.

The time is currently set to 120 hours. There was a discussion about which maximum test time to state, since the resolution in time is important to get any relevant results, but if too long the cost may be too high. It was decided that 120 hours will remain, Daniel will request what costs would be expected from a laboratory that can be reviewed at next meeting. Daniel will also post previous test results of different filters on ISO portal.

The actual pressure drop limit was discussed, either to use a factor/percentage to the initial pressure drop of the filter or having a different limits for different filter types and air flows.

Eventually it was agreed that a fixed limit of 1000 Pa could be used in the draft.

The water penetration

It was agreed that a description of when and how the water penetration should be determined shall be added to the document, the Project leader will make a proposal, see details in the N286.

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- **Improved description of the use and accuracy for the SFP**

The SFP (Sodium Flame Photometer) was lacking good description and accuracy requirements. It was agreed that this shall be updated by the Project leader.

- **Are vertically installed filters included?**

The standard is describing a test procedure with the filters mounted in the duct in horizontal position. To create a test set up with vertically mounted filters (updraft) is not feasible at this point since it would require major changes in method and design. During the discussion, the experts concluded that these filters may be tested with the horizontal duct, but that must be noted in test report.

- **Reporting**

Several comments concerned the reporting of data such as, suggestion to include additional results and some changes into which category the results/data should be presented, see N286.

**Decision:**

- A. Incorporate the comments according to the N286
- B. Annex A to be updated with drawings and details

**Action:**

- Daniel to proceed with adding the new addressed comments (N286)
- Daniel will post test results on the ISO Portal.
- Experts to give input to next meeting

## 6. Workplan and actions

The project is running short of time, partly it is due to the change of cancellation date by ISO. The cancellation date is now set to May 1<sup>st</sup> which means that there will not be enough time to finish a DIS (including a CD ballot). The convener suggested that he will ask for a time extension (9 months) in order not to run into the risk of cancellation.

# ISO TC142/WG9

Revised 2022-11-21  
Milestones

Revised 2022-11-21

Milestones		2022												2023												2024												2025	
		September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February								
Estimated Time plan PWI 29461-4																																							
2020-11-26	WG9 Decision in WG about activation of NP																																						
2021-02-15	NP ballot end																																						
2021-06-30	Working draft - ready																																						
2022-12-15	Preparation of CD																																						
2023-01-30	CD Ballot																																						
2023-12-15	DIS creation																																						
2023-09-01	Registration of DIS																																						
2023-09-30	Translation																																						
2023-12-30	DIS ballot																																						
2024-03-15	Creation of FDIS*																																						
2024-07-01	Registration of FDIS (secretariat)*																																						
2024-09-01	FDIS Ballot*																																						
2025-02-01	Standard publication																																						
2023-05-01	Cancellation date																																						
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## Decision:

- A. Investigate possibility and request for a time extension of the project

## Action:

- Convener to investigate/request an time extension

## 7. Any other business

No additional business

## 8. Next meetings for WG9

Part 3, December 14, 1500-1700 (Stockholm time zone)

## 9. Closure of meeting

Ulf closed the meeting at 17:05 hrs

Minutes of meeting submitted by



Ulf Johansson

2022-11-24