CROSSWIND

TECHNICAL QUERY
Hollandse Kust Noord

No. TQ :	BALL-CW-TQ-0002	Rev:	1

Originating Party	Ballard Power Systems Europe A/S					
Subject	Hydrogen interface					
Author	Rasmus Simonsen	TQ Aconex unique number: BPSE-INN-BPH-TQ-00007				
Interface TQ - from		TQ interface source Aconex unique number:				
Type	Query		x	Interface		x
	Deviation			Derogation (SHALL[PS])		
	Note: No deviations nor derogations which have an adverse effect on HSSE will be granted					
Workpackage	Fuel Cells					
Area(s) of application	Design & Eng.	x	Procurement		Construction	
	Commissioning		Operations		Other	
Issue date	03-04-2024		Urgent reply 5 days		Routine reply 10 days	x
Close-out date						
Closed-out by			TQ status:		Open	

1. Description

Reference documents / Aconex unique numbers:

- K559-2254-CWIWP4202202-C03-001 (Process and Instrumentation Diagram)

Hydrogen inlet pressure

- Ballard requests to raise the minimum hydrogen inlet pressure at =HA01+DA02-XM01 from minimum 3.5 BarG to minimum 4.0 BarG due to extended pressure losses in the system.
- Ballard requests that the nominal setting of the pressure regulator is 6 barG.
- The advantage of this is eliminating the risk of low-pressure dropout during operation at full power.
- Operation of the FC package with inlet pressures below 4.0 barG is possible with reduced power (estimated <600kW)

2. Response

Reference documents / Aconex unique numbers

This communication is issued for the recipient's information and to facilitate the obligations of the Parties under the Contract. This communication has no authority to amend or vary the Contract nor relieve either Party of any duties, obligations or responsibilities.

CW – PROCESS
Simple analysis indicates that this should not be a problem as it is within the previous operating pressure range of 3.5 to 6.5 barg.

Rosetti acknowledges above requirements and it will proceed with this change including the one reported in CW-ROS-TQ-0016

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