CROSSWIND

TECHNICAL QUERY
Hollandse Kust Noord

No. TQ :	BALL-CW-TQ-0003	Rev:	1

Originating Party	Ballard Power Systems – Peter Blach					
Subject	FC Package Communications Hardware					
Author	Peter Blach	TQ Aconex unique number: BPSE-INN-BPH-TQ-00006				
Interface TQ - from		TQ interface source Aconex unique number:				
Type	Query			Interface		x
	Deviation			Derogation (SHALL[PS])		
	Note: No deviations nor derogations which have an adverse effect on HSSE will be granted					
Workpackage						
Area(s) of application	Design & Eng.	x	Procurement		Construction	
	Commissioning		Operations		Other	
Issue date	March 11, 2024		Urgent reply 5 days		Routine reply 10 days	x
Close-out date	May 14, 2024					
Closed-out by	BALL/EZE		TQ status:		Closed-out	

1. Description

Reference documents / Aconex unique numbers:
123A90-MOM-RM-BAL-CW-001 Rev.10 – page 3, item 1.5 “Cables”

During integration workshop at the Hague 23/01 ’24 the control interface between the FC package and the BLPH control system was discussed. It was understood by Ballard that RM/CW prefers a fiberoptic (FO) connection between BLPH systems and FC package.

FC package uses copper ethernet internally, and thus an interface converter is needed. For the converter to work with the planned FO infrastructure on the BLPH, we would like to enquire about your preferred media converter solution.

Ballard requests that RM/CW clarifies the technical details for a suitable interface converter. If we were to suggest some hardware, the IMC-101 series from Moxa would be preferred from Ballard side.

- RM is requested to provide technical details of proposed FO link.
- RM is requested to provide preferred media converter compatible with FO link details.

2. Response

Reference documents / Aconex unique numbers
Rosetti Marino has now clarified with Control System vendor that Cat6a copper cable instead of FO cable will be used for interfacing BLPH Control System with Fuel Cell package. No interface converter is required to be provided from Ballard side.

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