ROSETTI MARINO

123A90 - HOLLANDSE KUST NOORD WIND PARK
BLPH Project

CROSSWIND

Ready For Operation (RFO) Certificate

COMPLETE	●	PARTIAL	

Revision:	4		Issued on:	2025-04-23	
System:	84	/	Battery & No-Break System		
SubSystem:	84-10	/	AC 35 kVA UPS System (UP-200F3)		

We hereby confirm that all Mechanical Completion (MC) and Pre-Commissioning/Commissioning (Pre-Comm./Comm.) activities for the above-mentioned System/Sub-System have been successfully completed in accordance with project specifications, relevant standards and contractual requirements. The System/Sub-System has been tested and verified to ensure readiness for operation. Issuance of this Certificate shall not release CONTRACTOR from any of his obligations, responsibilities or liabilities under the CONTRACT.

Mechanical Completion: All required MC activities have been completed and approved
Pre-Commissioning & Commissioning: All required Pre-Comm. and Comm. activities and OTPs have been completed and approved (Status Index attached)
Punch List: All Punch items categorized as A and B have been cleared (PL report attached)
Documentation: As-built documentation and Commissioning dossier has been completed, reviewed and approved

PUNCH LIST	PENDING POINTS
Note: All Category "A" and "B" Items must be cleared prior to issuance of the Ready For Operation (RFO) Certificate	B '0

REMARKS:

	CONTRACTOR Commissioning Manager	**COMPANY** Commissioning Lead
Name	Anthony Iveson	Martin Taylor
Date	2025-04-24	2025-04-25
Signature	PROVERLIS Digitaly signed by Anthony Iveson 2025-04-24T08:45:18.191Z	PROVERLIS Digitaly signed by Martin Taylor 2025-04-25T13:56:27.330Z

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STATUS INDEX DETAIL

Filtered on subsystem: 84-10 & process: COMM

Electrical	84-10 AC 35 kVA UPS System (UP-200F3)						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
A3/+01-QF1	DRAWER UPS PAS LINE A - A3/+01-QF1	ONSHORE	C10002801	FP00	100	2024-11-08	RFO 4
		ONSHORE	C10002802	FTR-2	100	2024-09-20	RFO 4
		ONSHORE	C10002803	FTR-6	100	2024-10-03	RFO 4
		ONSHORE	C10003007	FTR-5	100	2025-04-22	RFO 4
A4/+01-QF1	DRAWER UPS PAS LINE B - A4/+01-QF1	ONSHORE	C10002798	FP00	100	2024-11-08	RFO 4
		ONSHORE	C10002799	FTR-2	100	2024-09-20	RFO 4
		ONSHORE	C10002800	FTR-6	100	2024-10-03	RFO 4
		ONSHORE	C10003006	FTR-5	100	2025-04-22	RFO 4
A7/+02-QF1	DRAWER UPS PAS-BYPASS - A7/+02-QF1	ONSHORE	C10002804	FP00	100	2024-11-08	RFO 4
		ONSHORE	C10002805	FTR-2	100	2024-09-20	RFO 4
		ONSHORE	C10002806	FTR-6	100	2024-10-02	RFO 4
		ONSHORE	C10003008	FTR-5	100	2025-04-22	RFO 4
BA-200F3A	Battery Rack GEL VRLA-7Y for AC UPS 35 kVA	ONSHORE	C10002811	FTR-3	100	2024-11-18	RFO 4
BA-200F3A-C	UPS PAS - BA-200F3A-C	ONSHORE	C10002809	FTR-4	100	2024-11-14	RFO 4
BA-200F3A-D	UPS PAS - BA-200F3A-D	ONSHORE	C10002810	FTR-4	100	2024-11-14	RFO 4
BA-200F3B	Battery Rack GEL VRLA-7Y for AC UPS 35 kVA	ONSHORE	C10002814	FTR-3	100	2024-11-18	RFO 4
BA-200F3B-C	UPS PAS - BA-200F3B-C	ONSHORE	C10002812	FTR-4	100	2024-11-14	RFO 4
BA-200F3B-D	UPS PAS - BA-200F3B-D	ONSHORE	C10002813	FTR-4	100	2024-11-18	RFO 4
CB-200F3A-Q2	BATTERY CUTOFF UPS PAS - CB-200F3A-Q2	ONSHORE	C10002795	FTR-2	100	2024-11-08	RFO 4
CB-200F3B-Q2	BATTERY CUTOFF UPS PAS - CB-200F3B-Q2	ONSHORE	C10002796	FTR-2	100	2024-11-08	RFO 4
DP-200N1-Q41	BREAKER AUX UPS PAS - DP-200N1-Q41	ONSHORE	C10002797	FTR-2	100	2024-10-28	RFO 4
UP-200F3	AC UPS 35 kVA Redundant System with By-Pass	ONSHORE	C10002807	FP16A	100	2025-03-12	RFO 4
		ONSHORE	C10002808	FTR-6	100	2025-03-12	RFO 4
UP-200F3-QF31	SPARE	ONSHORE	C10004570	FTR-2	100	2024-11-08	RFO 4
UP-200F3-QF32	SPARE	ONSHORE	C10004571	FTR-2	100	2024-11-08	RFO 4
UP-200F3-QF33	SPARE	ONSHORE	C10004572	FTR-2	100	2024-11-08	RFO 4
UP-200F3-QF50	SPARE	ONSHORE	C10004586	FTR-2	100	2024-11-08	RFO 4
UP-200F3-QF52	SPARE	ONSHORE	C10004588	FTR-2	100	2024-11-08	RFO 4

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STATUS INDEX DETAIL

Filtered on subsystem: 84-10 & process: COMM

Instrumental	84-10 AC 35 kVA UPS System (UP-200F3)						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
84-XS-001	ELECT. ISOLATION UPS POWER UCP (WATER TREAT. A-50000)	ONSHORE	C10003823	FJ01D	100	2025-01-28	RFO 4
84-XS-002	ELECT. ISOLATION UPS POWER UCP (NITROGEN A-64000)	ONSHORE	C10003822	FJ01D	100	2025-01-28	RFO 4
84-XS-003	ELECT. ISOLATION UPS POWER UCP (INSTRUMENT AIR A-63000)	ONSHORE	C10003821	FJ01D	100	2025-01-28	RFO 4
84-XS-004	ELECT. ISOLATION UPS POWER UCP HVAC B-100	ONSHORE	C10003820	FJ01D	100	2025-01-28	RFO 4
84-XS-005	ELECT. ISOLATION UPS POWER UCP HVAC B-200	ONSHORE	C10003819	FJ01D	100	2025-01-28	RFO 4
84-XS-007A	DISCONNECT AC UPS UP-200F3 BATTERIES A	ONSHORE	C10003817	FJ01D	100	2025-01-28	RFO 4
84-XS-007B	DISCONNECT AC UPS UP-200F3 BATTERIES B	ONSHORE	C10003816	FJ01D	100	2025-01-28	RFO 4
84-XS-010	INHIBIT. BATTERY CHARGING AC UPS UP-200F3 BATTERIES	ONSHORE	C10003812	FJ01D	100	2025-01-28	RFO 4

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STATUS INDEX DETAIL

Filtered on subsystem: 84-10 & process: COMM

Miscellaneous	84-10 AC 35 kVA UPS System (UP-200F3)

ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
123A90-PML-COM-PRO-03059	OTP - UPS System UP-200F3 35kVA	ONSHORE	C10004628	5300	100	2025-04-19	-
		OFFSHORE	C10004949	5300	0	-	-

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PUNCH LIST REPORT

SYSTEM 84 Battery & No-Break System

SUBSYSTEM 84-10 AC 35 kVA UPS System (UP-200F3)

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000261	B	83122-CEL C10000641	Cable to be fixed with proper cable ties, after MCT installation of the panel DP-200N1	-		Gtangianu 2024-10-24	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30000262	B	83122-CEL C10000641	Wrong core identification tag on both cable's termination	-		Gtangianu 2024-10-24	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30000263	B	83122-CEL C10000641	Plastic cable ties to be replaced on external routing	-		Gtangianu 2024-10-24	2025-02-26	Pschintu 2025-02-26	2025-02-26
C30000287	B	UP-200F3 C10000871	Cleaning is required inside and on the top of the panel	.		Gtangianu 2024-11-02	2024-12-14	Ecarotenuto 2024-12-14	2024-12-14
C30000288	B	UP-200F3 C10000871	Missing thermo shrink on internal earthing connections.	.		Gtangianu 2024-11-02	2025-03-06	JKrizanic 2025-03-06	2025-03-06
C30000289	B	83028-CEL C10000553	Missing identification tags on terminal strip (X1 / 1U/1V/1W). See attached photo	.		Gtangianu 2024-11-02	2025-03-06	JKrizanic 2025-03-06	2025-03-06
C30000290	B	83028-CEL C10000553	Identification tag of wire are wrong inside SG-200N1 (A3/+01)	.		Gtangianu 2024-11-02	2024-12-18	Gtangianu 2024-12-18	2024-12-18
C30000291	B	83028-CEL C10000553	Missing cable tags on all routing (MCT of B-200_ B-300_ inside and outside UP-200F3)	.		Gtangianu 2024-11-02	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30000292	B	83028-CEL C10000553	Plastic cable ties to be replaced on external routing	.		Gtangianu 2024-11-02	2025-02-26	Pschintu 2025-02-26	2025-02-26

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PUNCH LIST REPORT

SYSTEM 84 Battery & No-Break System
SUBSYSTEM 84-10 AC 35 kVA UPS System (UP-200F3)

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000293	B	84332-CEL-1-P C10000646	Missing identification number on terminal strip X1+	.		Gtangianu 2024-11-02	2025-03-06	Gtangianu 2025-03-06	2025-03-06
C30000294	B	83029-CEL C10000554	Missing cable tags on internal and external side of MCT of B-200/B-300	.		Gtangianu 2024-11-02	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30000295	B	83029-CEL C10000554	Plastic cable ties to be replaced on external routing	.		Gtangianu 2024-11-02	2025-02-26	Pschintu 2025-02-26	2025-02-26
C30000296	B	83029-CEL C10000554	Identification tag of wire are wrong inside SG-200N1 (A4/+01) and are missing inside UP-200F3 (X1/3W)	.		Gtangianu 2024-11-02	2024-12-18	Gtangianu 2024-12-18	2024-12-18
C30000297	B	83029-CEL C10000554	Missing identification numbers on terminal strip inside UP-200F3 (X1/3U/3V/3W)	.		Gtangianu 2024-11-02	2025-02-04	Gtangianu 2025-02-04	2025-02-04
C30000298	B	83030-CEL C10000555	Identification tag of wire are wrong or missing inside SG-200N1 (A7/+02)	.		Gtangianu 2024-11-02	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30000299	B	83030-CEL C10000555	Missing cable tags on internal and external side of MCT (B-200/B-300)	.		Gtangianu 2024-11-02	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30000300	B	83030-CEL C10000555	Plastic cable ties to be replaced on external routing	.		Gtangianu 2024-11-02	2025-02-26	Pschintu 2025-02-26	2025-02-26
C30000301	B	84330-CEC C10002343	Missing cable tag inside and outside CB-200F3A and on the top side of BC-200F3A	.		Gtangianu 2024-11-02	2024-12-14	Ecarotenuto 2024-12-14	2024-12-14

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PUNCH LIST REPORT

SYSTEM 84 Battery & No-Break System
SUBSYSTEM 84-10 AC 35 kVA UPS System (UP-200F3)

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000302	B	84330-CEC C10002343	Missing identification number on terminal strip X15 (inside BC-200F3A)	.		Gtangianu 2024-11-02	2025-03-06	Gtangianu 2025-03-06	2025-03-06
C30000303	B	84331-CEL-2-N C10000645	Missing cable tag inside CB-200F3A	.		Gtangianu 2024-11-02	2024-12-14	Ecarotenuto 2024-12-14	2024-12-14
C30000304	B	CB-200F3A C10000855	Missing thermo shrink on internal earthing connections	.		Gtangianu 2024-11-02	2025-03-06	Gtangianu 2025-03-06	2025-03-06
C30000305	B	CB-200F3B C10000856	Missing thermo shrink on internal earthing connections	.		Gtangianu 2024-11-02	2025-03-06	Gtangianu 2025-03-06	2025-03-06
C30000306	B	BA-200F3A C10000848	Missing tag on battery bank	.		Gtangianu 2024-11-02	2025-02-04	Gtangianu 2025-02-04	2025-02-04
C30000307	B	BA-200F3B C10000849	Missing tag on battery bank	.		Gtangianu 2024-11-02	2025-02-04	Gtangianu 2025-02-04	2025-02-04

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PUNCH LIST REPORT

SYSTEM	84	Battery & No-Break System
SUBSYSTEM	84-10	AC 35 kVA UPS System (UP-200F3)

Telecom

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000791	B	UP-200F3/B400 -NET-001.01 C10004370	Identification cable tag missing inside UP-200F3 connection.	.		Gtangianu 2024-11-22	2025-02-21	Gtangianu 2025-02-21	2025-02-21
C30000792	B	UP-200F3/B400 -NET-001.02 C10004371	Identification cable tag missing inside UP-200F3 connection.	.		Gtangianu 2024-11-22	2025-02-21	Gtangianu 2025-02-21	2025-02-21

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PUNCH LIST REPORT

SYSTEM 84 Battery & No-Break System

SUBSYSTEM 84-10 AC 35 kVA UPS System (UP-200F3)

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000880	B	C-CB-200F3A/B 400-SIS-001 C10000197	Missing cable tag outside B-400-SIS-001 panel	.		Pschintu 2024-11-25	2024-12-11	Pschintu 2024-12-11	2024-12-11
C30000881	B	C-CB-200F3B/B 400-SIS-001 C10000198	Missing cable tag outside B-400-SIS-001 panel	.		Pschintu 2024-11-25	2024-12-11	Pschintu 2024-12-11	2024-12-11
C30001057	B	UP-200F3/B400 -SIS-001 C10000196	Missing core identification tag by UP-200F3 side	.		Pschintu 2024-11-30	2025-03-06	Gtangianu 2025-03-06	2025-03-06
C30001058	B	UP-200F3/B400 -SIS-001 C10000196	Missing SS cable tag	.		Pschintu 2024-11-30	2025-01-31	Gtangianu 2025-01-31	2025-01-31