



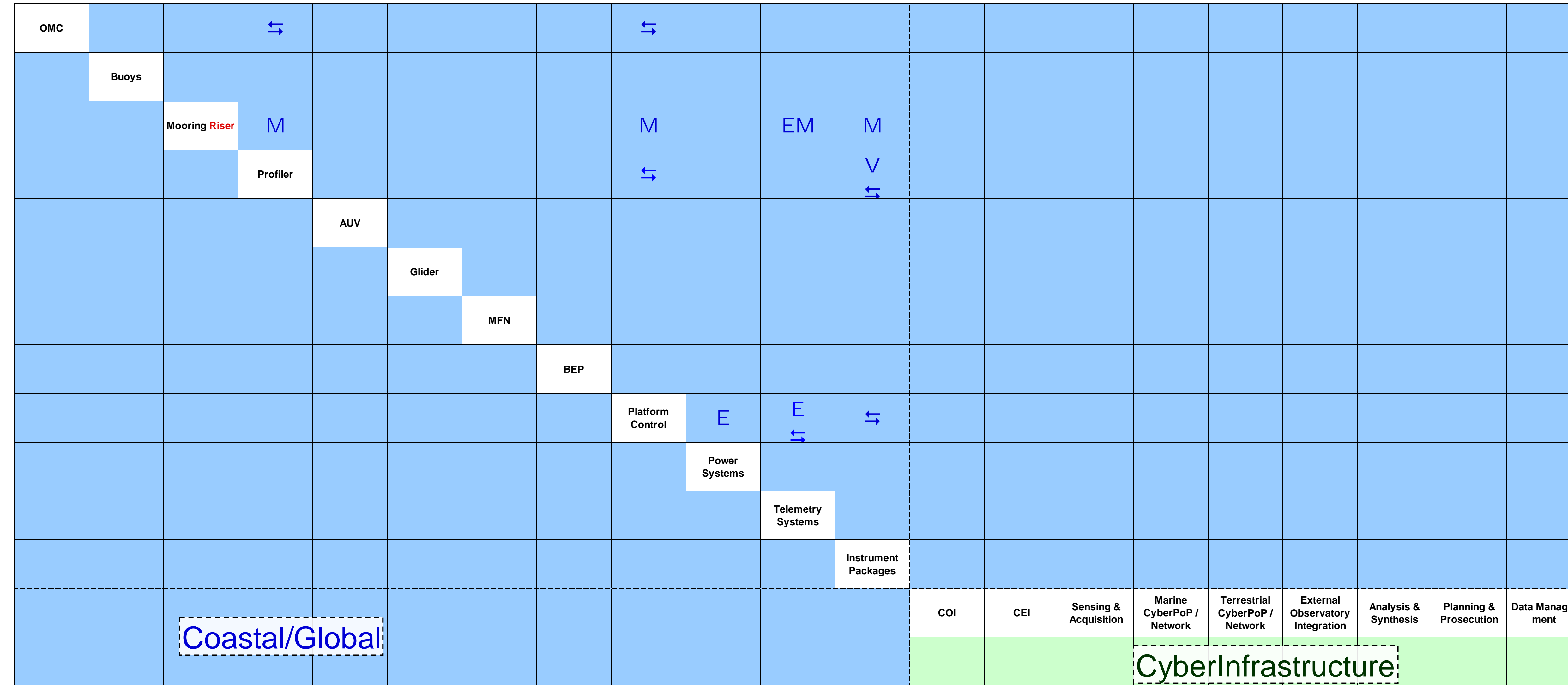
OOI/CGSN

Document Number: 3102-20002

Document Name: Global Hybrid Profiler Mooring N2 Diagram

By	Date	Description	Ver
S. White	3/31/2011	Initial draft	0-01
S. White	9/23/2011	Update to include separate BEP module	0-02
S. White	11/21/2011	Initial release per ECR 1303-00547	1-00
S. White, T.	10/4/2012	Updates per ECR 1303-00752	1-01

Global Hybrid Profiler Mooring N2 Diagram



- ICDS:** 3102-10007 Open Ocean Glider Acoustic Modem ICD
 3102-10008 Inductive Telemetry System ICD
 3102-10009 Acoustic Telemetry System ICD
 3102-10003 Wire Following Profiler ICD
 3102-10004 Global Surface Piercing Profiler Profiler ICD

- Schematics:** 3703-20225 Datalogger Board Assembly Schematic
 3703-20229 Power Board Assembly Schematic
 3703-20233 Clock Board Assembly Schematic

- Drawings:** 3502-00006 HYPM System Block Diagram
 3703-40225 HYPM-MFM Controller Software Flow Chart
 MFM-HYPM Controller Software Architecture
 3601-00008 HYPM Southern Ocean
 3602-00006 HYPM Irminger
 3603-00006 HYPM Station PAPA
 3606-00006 HYPM Argentine Basin
 3703-00220 SIO Controller Assembly
 3707-00804 Load Cage Top Assembly

Global Hybrid Profiler Mooring N2 Diagram

OMC			⇕					⇕													
	Buoys																				
		Mooring Riser	M					M		EM	M										
			Profiler					⇕			⇕										
				AUV																	
					Glider																
						MFN															
							BEP														
								Platform Control	E	E	⇕										
									Power Systems												
										Telemetry Systems											
											Instrument Packages										
												Primary Infrastructure	OMS	LV Node	Extension Cable	Jbox	Vertical Mooring	Profilers	Shore Station	Backhaul	Instrument Package
Coastal/Global												Regional									

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Key

Symbol	Description
E	Electrical Interface
M	Mechanical Interface
↔	Data interface
V	Vendor interface
O	Optical Interface

Color scheme	Description
EM	Between CG and CG
↔	Between CG and CI
EM ↔	Between CG and RSN
↔	Between CI and CI
↔	Between CI and RSN
EM	Between RSN and RSN