

Scope of Work for ICN Gateway Scarborough Floating Production Unit

Package Name	Mooring Chain		
Package Number	194596-H001-4MBB-28003		
Scope of Supply	Item No.	Quantity	Description
	1	20	Platform chain, 171 R4 grade (or equivalent R4S grade), ~75 m length
	2	20	Ground chain, 175 mm R4 grade (or equivalent R4S grade) , ~1,070 m length
	3	20	Pile chain, 175 mm R4 grade (or equivalent R4S grade), ~20 m length, TSA coated
	4	20	Hang off chain, 102 mm R4 grade, ~30 m length
	5	4	Messenger chain, 102 mm R4 grade, ~215 m length
	6	16	Pre-messenger chain; 102 mm diameter; grade R4; 10 m length
	7	Lot	Preproduction test chains in accordance with technical specification and datasheets
	8	Lot	Sample chain segments in accordance with technical specification and datasheets
	9	Lot	Lift rigging
	10	1 lot	Preservation and packaging for shipping items, 1-7
	11	1 lot	Documentation
Specifications and Standards:	Docum ent Number	Title	Rev.
		Key Project Specifications	
	SA1920SS0000001	FPU HULL – SPECIFICATION – MOORING CHAIN	1B
		American Society of Non-Destructive Testing	
	SNT-TC-1A	American Society for Non-destructive testing – Recommended Practice	2016
		American Society of Testing Materials	
	ASTM A29	Standard Specification for General Requirements for Steel Bars, Carbon and Alloy, Hot-Wrought	2016
	ASTM A255	Standard Test Methods for Determining Hardenability of Steel	2018
	ASTM A275	Standard Practice for Magnetic Particle Examination of Steel forgings	2018
	ASTM A388	Standard Practice for Ultrasonic Particle Examination of Steel forgings	2019
	ASTM A488	Standard Practice for Steel Castings, Welding, Qualifications of Procedures and Personnel	2018
	ASTM A991	Standard Test Method for Conducting Temperature Uniformity surveys of Furnaces used to heat Treat Steel Products	2017
	ASTM E10	Standard Test Method for Brinell Hardness of Metallic Materials	2018
	ASTM E18	Standard Test Method for Rockwell Hardness of Metallic Materials	2019
ASTM E112	Standard Test Methods for Determining Average Grain Size	2013	

	ASTM E381	Standard Method of Macro-etch Testing Steel Bars, Billets, Blooms and Forgings	2017
	ASTM E587	Practice Method Ultrasonic Angle Beam Examination by the Contact Testing	2015
	ASTM E709	Standard Guide for Magnetic Particle Testing	2015
	ASTM E1417	Standard Practice for Liquid Penetrant Testing	2016
	ASTM E1444	Standard Practice for Magnetic Particle Testing	2016
		DNVGL Classification	
	DNVGL-ST-N001	Marine operations and marine warranty	2018
	DNVGL-OS-E301	Position mooring	2018
	DNVGL-OS-E302	Offshore mooring chain	2018
	DNVGL-CP-0237	Offshore Mooring Chain and Accessories	2018
		EN	
	EN 287-6	Qualification test of welders fusion Welding – Part 6 cast Iron	2018
	EN 10204	Metallic Products – Types of Inspection Documents	2006
	EN 10228-1/3	Non-destructive testing of Steel Forgings	2016
		ISO	
	ISO 4967	Steel – Determination of content of non-metallic inclusions – Micrographic method using standard diagrams	2013
	ISO 9000	Quality Management Systems – Fundamentals and Vocabulary	2015
	ISO 9001	Quality Management Systems – Requirements	2015
	ISO 9606	Qualification testing of welders – Fusion Welding	2012
	ISO 9712	Non-destructive testing – Qualification and certification of NDT personnel	2012
	ISO 10474	Steel and Steel Products – Inspection documents	2013
	ISO 13588	Non-destructive testing of welds – Ultrasonic testing – Use of Automated phased array technology	2019
	ISO 15549	Non-destructive testing – Eddy current testing – General principles	2019
	ISO 15614	Specification and qualification of welding procedures for metallic materials – Welding procedure test	2017
	ISO 19901-5	Weight control during engineering and construction	2016
Minimum Scope of Work Requirements:	<ol style="list-style-type: none"> 1. Engineering Detailed Design and Procurement of Materials and Equipment. 2. Fabrication 3. Inspection & Testing 4. Documentation 5. Packing & Preservation Package 6. Proven Design 7. Offshore application. 8. Low/Unmanned 		
Contact:	<p>Industry Capability Network Western Australia (+61 8) 9365 7623 Name: Carla Peyton / Linus O'Brian Phone No.: T: (08) 9365 7543 / M: 0428 403 072 / (08) 9365 7556 E-mail: Carla.Peyton@icnwa.org.au / Linus.O'Brien@icnwa.org.au</p> <p>Please Note:</p> <ul style="list-style-type: none"> ▪ This is a request for specific expressions of interest, vendors and contractors will be considered for prequalification and/or tender if suitably qualified. For general expressions of interest please ensure you are registered with Industry Capability Network Western Australia. 		
URL	For more information about McDermott, please refer to the McDermott website https://www.mcdermott.com/		
Closing Date:	4th May 2020		