		10000								
SCOMARK (SPI) Pe 4 Stangs features unto				Test Record 650 Edition 4		QTR. No.: QTR-004 Rev. No.:				
Manufacturer name/address/ Web page:		IPP Scomark Barton Business Park, Barton-Under-Needwood, Staffordshire, DE13 8BX, UK. www.ippgrp.com								
Reference standard		NORSOK M-650 Edition 4								
Material designation and No.:	MDS	ASTM A815 UNS S31803. NORSOK M-630 Edition 6 MDS D43 Revision 5								
Manufacturing summary No.:	doc.	_	QTR004.03 Rev. No.: 02							
Products and manufacturing process(es):		Cold formed and final solution annealed wrought fittings, manufactured from seam welded ASTM A928 Class 1 or Class 3 pipe sections.								
Mandatory conditions and sub-contractors;		Heat treatment by IPP internal furnaces no.1 and 2, where furnace no. 2 is limited to 21.95mm wall thickness, Raw pipes from Norsok M-650 approved manufacturers listed within QTR004.10.								
Other information:		HTV tests according to Norsok M-650 Para 9.3 were witnessed by MRC Global in October 2016 (Furnace 1) and May 2017 (Furnace 2). Material testing conducted by 3 rd Party ISO 17025 certified laboratories								
<u> </u>		Tested an	d Qualified Th	ickness and W	/eight					
Products and manufacturing process(es):	Test record No.		Tested thickness (mm)	Qualified thickness (mm)	1		Qualified weight (kg)			
Equal & Reducing Tees	c	TR004.07	28.00mm	35.00mm	NA		NA			
Elbows	QTR004.07		28.00mm	35.00mm	NA NA		NA			
Concentric & Eccentric Reducers	QTR004.07		33.32mm	40.00mm	NA		NA			
		Qualifi	cation/accepta	ance signature	98					
Manufacturer:	Prepa	ared by/Date:		Checked by/Date:						
IPP Scomark		A. Characteristics								
	Techi	gby - 10.03.201 nical Director	8	P. Tolen - 10.03.2018 Technical Director						
Remarks/Special ren	arks:									

- The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.
- This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.
- This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products
 to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by
 other purchasers.
- In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal.

Qualified/Accepted by (company name/address):

MRC Global

Langarinden 16 NO-5132 NYBORG Initial approval date: 10.03.2017

Expiry date (annual renewal): 10.03.2019

Signature:

Companies		Qualification Test Record NORSOK M-650 Edition 4			QTR. No.: QTR-005					
					1	No.:				
Manufacturer name/address/ Web page:		IPP Scomark Barton Business Park, Barton-Under-Needwood, Staffordshire, DE13 8BX, UK. www.ippgrp.com								
Reference standard		NORSOK M-650 Edition 4								
Material designation and No.:	MDS	ASTM A815 UNS S32760. NORSOK M-630 Edition 6 MDS D53 Revision 5								
Manufacturing summary No.:	doc.	QTR005.03	T	Rev. No.: 02						
Products and manufacture process(es):	ring	Cold formed and final solution annealed wrought fittings, manufactured from seam welded ASTM A928 Class 1 or Class 3 pipe sections.								
Mandatory conditions and sub-contractors:		Heat treatment by IPP internal furnaces no.1 and 2, where furnace no. 2 is limited to 21.95mm wall thickness. Raw pipes from Norsok M-650 approved manufacturers listed within QTR005.10.								
Other information:		HTV tests according to Norsok M-650 Para 9.3 were witnessed by MRC Global in October 2016 (Furnace 1) and May 2017 (Furnace 2). Material testing conducted by 3 rd Party ISO 17025 certified laboratories								
		Tested an	d Qualified Th	ickness and V	/eiaht	aborak	JIES			
Products and manufacturing process(es):	1	t record No.	Tested thickness (mm)	Qualified thickness (mm)	Test piece w	eight	Qualified weight (kg)			
Equal & Reducing Tees	Q	TR005.07	28.57mm	35.71mm	NA		NA			
Elbows	QTR005.07		28.57mm	35.71mm	NA		NA			
Concentric & Eccentric Reducers	QTR005.07		33.32mm	40.00mm	NA		NA			
		Qualifi	cation/accepta	nce signature						
Manufacturer:	Prepa	red by/Date:		Checked by/Date:						
IPP Scomark	A. My			1						
		gby - 10.03.2018 lical Director	i -	P. Tolen - 10.03.2018			ļ			
Remarks/Special rem				Technical Director						

- 1. The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.
- 2. This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.
- 3. This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers.
- 4. In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal.

Qualified/Accepted by (company name/address):

Initial approval date: 10.03.2017

Expiry date (annual renewal): 10.03.2019

MRC Global

Langarinden 16 NO-5132 NYBORG Signature:

SCOMARK (SPI)		Qualification Test Record NORSOK M-650 Edition 4			QTR. No.: QTR-001					
							Rev. No.: 008			
Manufacturer name/addre Web page:	ss/ 	Barton Bus	IPP Scomark Ltd Barton Business Park, Barton-Under-Needwood, Staffordshire, DE13 8BX, UK www.ippgrp.com							
Reference standard		NORSOK M-650 Edition 4								
Material designation and fi No.:	ADS	ASTM A815 UNS S31803. NORSOK M-630 Edition 6 MDS D43 Revision 5								
Manufacturing summary di No.:	oc.	D01	D01							
7100		Tees - 1/2" (o 10" up to 22.80r	nm thick		Rev	. No.: 08			
Products and menufacturing process(es):		Elbows – ½" to 10" up to 31.75mm thick End Caps – 1" to 20" up to 37.50mm thick Concentric & Eccentric Reducers – (3/4"x1/2") to (12"x10") up to 35.73mm thick Heat treatment by IRP internal fundaments								
Mandatory conditions and contractors:	sub-	Heat treatment by IPP internal furnaces no.1 and 2, where furnace no. 2 is limited to 21.95mm wall thickness,								
Other information:		HTV tests according to Norsok M-650 Para.9.3 was witnessed by MRC Global in October 2016 (Furnace 1) and May 2017 (Furnace 2). Laboratory Tests Conducted by 3rd Party ISO 17025 Approved Supplier.								
		Tested an	d Qualified Th	ickness and V	leight	ea Si	ipplier.			
Products and manufacturing process(es):	Test record No.		Tested thickness (mm)	Qualified thickness (mm)	Test piece w (kg)	eight	Qualified weight (kg)			
SMLS cold formed Tees	QUALTS001		18.23	22.80	NA		NA.			
SMLS cold formed Elbows	QUALTS001 QTR001.20		25.00	31.75	NA		NA.			
SMLS cold formed End Caps	QTEC001		30.00	37.50	NA		NA			
SMLS cold formed Eccentric Reducers	QTRE001		23.01	28.76	NA		NA			
SMLS cold formed Concentric Reducers	QTRE001		28.58	35.73	NA		NA			
		Qualifi	cation/accepta	ince signature	8					
Manufacturer:	Prepa	red by/Date: 07.	08.2017	Checked by/Date: 07.	08.2017					
PP Scomark Ltd		A. Rin	<u> </u>	-42	\geq					
		by ical Director		P. Tolen Technical Director	-					
Remarks/Special rem	arks:									

- The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.
- 2. This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential
- 3. This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers.
- 4. In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal.

Qualified/Accepted by (company name/address):



Initial approval date: 08.08.2017 Expiry date (annual renewal): 08.08.2018

Signature: | NGVE STANGELAND

Note: This QTR is updated to Rep. 006 is part of Dear re-qualification, including new HTV tests.

SCOMARK (SPI)		Qualification Test Record NORSOK M-650 Edition 4			QTR. No.: QTR-003					
					4	Rev. No.:				
Manufacturer name/eddress/ Web page:		IPP Scomark Ltd Barton Business Park, Barton-Under-Needwood, Staffordshire, DE13 8BX, UK www.ippgrp.com								
Reference standard		NORSOK M-650 Edition 4								
Material designation and I No.:	MDS	ASTM A815 UNS S32760 NORSOK M630 Edition 6 MDS D53 Revision 5								
Manufacturing summary d	oc.	SD01								
140		Tees - 1/2" 1	to 10" un to 22 80n	nm thick		Rev. No.: 08				
Products and manufecturing process(es):		Tees – ½" to 10" up to 22.80mm thick Elbows – ½" to 10" up to 31.75mm thick End Caps – 1" to 20" up to 37.50mm thick Concentric & Eccentric Reducers – (3/4"x1/2") to (12x10") up to 28.76mm thick								
Mandatory conditions and sub- contractors:		to 21.95mm wall thickness.								
Other information:		HTV tests according to Norsok M-650 Para.9.3 was witnessed by MRC Global in October 2016 (Furnace 1) and May 2017 (Furnace 2). Laboratory Tests Conducted by 3 rd Party ISO 17025 Approved Supplier.								
	*	Tested an	d Qualified Th	ickness and M	oza Approve eiaht	ed Supplier.	_			
Products and manufacturing process(es):	1	at record No.	Tested thickness (mm)	Qualified thickness (mm)	Test place we	right Qualified weigh	ht			
SMLS cold formed Tees	QUALTS003		18.23	22.80	NA	NA				
SMLS cold formed Elbows	QUALTS003 QTR003.20		25.00	31.75	NA	NA				
SMLS cold formed End Caps	QTEC003		30.00	37.50	NA	NA				
SMLS cold formed Reducers	QTRE003		23.01	28.76	NA	NA				
		Qualifi	cation/accord	man a leve sta						
Qualification/accept Manufacturer: Prepared by/Date: 07.08.2017				Checked by/Date: 07.08.2017						
PP Scomark Ltd	A.Rigby Technical Director marks/Special remarks:				20.2011					

- 1. The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials.
- 2. This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential
- 3. This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers.
- 4. In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the mitial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal

Qualified/Accepted by (company name/address):

MRC Global

Gamle Forusvei 53 **NO-4033 STAVANGER** Initial approval date:

08.08.2017 Expiry date (annual renewal): 08.08.2018

Signature: INGVE STANGELAND

Note: This QTR is updated to Rev.008 as part of 5 year re-qualification, including new HTV tests.

Pipa Fishings (stemalients		Qualification Test Record) rei	QTR. No.; QTR-002 Rev. No.; 007		
		NORSOK M-650 Edition 4		- 11				
Manufacturer name/addres Web page:	ss/	IPP Scomark Ltd Barton Business Park, Barton-Under-Needwood, Staffordshire, DE13 8BX, UK www.ippgrp.com						
Reference slandard		NORSOK M-650 Edition 4						
Material designation and M No.;	1DS	ASTM A403 UNS S31254. NORSOK M630 Edition 6 MDS R13 Revision 5						
Manufacturing summary do No.:	3C.	6Mo01				ev. No.: 06		
Products and manufacturin process(es):	g	Tees – ½" to 10" up to 17.80mm thick Elbows – ½" to 10" up to 17.80mm thick End Caps – 1" to 20" up to 37.50mm thick						
Mandatory conditions and s contractors:	ub-	Concentric & Eccentric Reducers – (3/4"x1/2") to (12x10") up to 28.76mm thick Heat treatment by IPP internal furnaces no.1 and 2, where furnace no. 2 is limited to 21.95mm wall thickness.						
Other information:		HTV tests according to Norsok M-650 Para.9.3 was witnessed by MRC Global in October 2016 (Furnace 1) and May 2017 (Furnace 2). Laboratory Tests Conducted by 3 rd Party ISO 17025 Approved Supplier.						
		Tested an	d Qualified Th	ickness and W	025 Approved S	Supplier.		
Products and manufacturing process(es);	Test record No.		Tested thickness (mm)	Qualified thickness (mm)	Test place weight (kg)	Qualified weigh		
Seamless cold formed Tees	QUALTS002		14.27	17.80	NA	NA		
Seamless cold formed Elbows	QUALTS002		14.27	17.80	NA	NA		
Seamless cold formed End Caps	QTEC002		30.00	37.50	NA	NA.		
Seamless cold formed Reducers	QTRE002		23.01	28.76	NA	NA		
		Qualifi	cation/accents	ance signature				
lanufacturer:	Prepa	red by/Date: 07.	08.2017	Checked by/Date: 07.	08.2017			
PP Scomark Ltd A. Rigby Technical Director			P. Tolen					

- 1. The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above
- 2. This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the easential
- 3. This qualification is executed and accepted by MRC Global as "Qualifying Company" solely for the supply of the above listed products to MRC Global as "Purchaser", and MRC Global assumes no liability for the use of or reliance on this qualification/ acceptance by other purchasers.
- 4. In accordance with MRC Global internal routines and procedures, the validity of the qualification/acceptance is 1 year from the initial signing of the QTR front sheet, after which the qualification/acceptance is subject to annual verification and renewal.

Qualified/Accepted by (company name/address):

MRC Global

Gamle Forusvei 53 NO-4033 STAVANGER Initial approval date:

08.08.2017

Expiry date (annual renewal): 08.08.2018 Signature: |NGVE STANGELAND

Note: This QTR is updated to Rev.007 as part of 5 year re-qualification, including new HTV tests.