MRC Global

		Qualification Test Re NORSOK M-650 Edit				QTR. No.: WS-QTR-004 Rev. No.: 07		
name/address/ Web page:		Vilhelm Schulz GmbH, Kuhleshütte 111, 47809 Krefeld, Germany /ww.wschulz.com lorsok M-650 Edition 4						
Manufacturing summary		PS31254-S, MSWPS31254-S P, MSWPS31254-W/-WX Rev. No.: 7						
		formed seamless and welded fittings, WPS31254-S/ -W/ -WX, manufactured from s and plates, by Hydro Forming and Dye Forming						
Mandatory conditions and sub-contractors:	Heat tr		rnace No. 600 and Furn dure verifications satisfa					
	TÜV RI Elemer TPW P MT Lat	heinland Werk ht Materials Te rüfzentrum Gr poratories Gml	, D-47228 Duisburg stoffprüfung GmbH, D-1 cchnology Hamburg Gml nbH, D-41460 Neuss oH, D-40667 Meerbusch ıstria, D-51371 Leverkus	bH, D-21079 n and D-4722	Hambu	rg		
	Те	sted and Q	ualified Thickness	and Weig	ht			
Products and manufac process(es):	cturing	Test record No.	Tested thickness (mm)	Qualified thickness (mm)	Test pi weig (kg	ght (kg)		
Elbow 90 DEG LR WP-S MSWPS31254-S Rev. 3		B2 B3	114,3 x 3,05 168,3 x 21,95	27,44				
Tee WP-S MSWPS31254-S Rev. 3		T2 T3	114,3 x 3,05 168,3 x 21,95	27,44				
Conc. Red. WP-S MSWPS31254-S Rev. 3		R2 R3	114,3 x 88,9 x 3,05 168,3 x 141,3 x 21,3	26,63				
Cap WP-S MSWPS31254-S P Rev. 3		K1	355,6 x 21,95	27,44				
Elbow 90 DEG LR WP WX MSWPS31254-W/-WX Rev.3		BG4 BG5	219,1 x 5,0 406,4 x 28	37,5				
Tee WP-WX MSWPS31254-W/-WXRev. 3		TG4	219,1 x 5,0	37,5				
	XRev. 3	TG5	406,4 x 355,6 x 28					
	NΧ	RG4 RG5	406,4 x 355,6 x 28 219,1 x 168,3 x 5,0 406,4 x 355,6 x 28,0	37,5				
MSWPS31254-W/-W Conc. Red.WP-V	WX X Rev.3	RG4	219,1 x 168,3 x 5,0	37,5 15,88	=			
MSWPS31254-W/-W Conc. Red.WP-\ MSWPS31254-W/-W	WX X Rev.3	RG4 RG5 TG6	219,1 x 168,3 x 5,0 406,4 x 355,6 x 28,0 273,05 x 12,70/	15,88	-			

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MRC Global Norway AS Gamle Forusveien 53 4033 STAVANGER

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Remarks/Special remarks:

Note: WSchulz and MRC agreed to performed new qualification tests within M630 Ed.7 in the range thickness that can be available in the most representative piece, a tee.

The rest of the QTR s thickness range will be updated in the future and be presented to Equinor to update the test refence and thickness if necessary.

Starting material supplier for TG6 is no longer on TR2000 list. However, this qualification will be complemented by the end of 2024 by thicker material delivered from vendors which are on TR2000 list.

- 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.
- 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 Norway AS

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	Camlo	Lorucypion	51
	Ganne	FULUSVEICH	33

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Initial approval date: 21.03.2023	
Expiry date (annual renewal): 21.03.2025	
Expiry date (annual renewal): 21.03.2025 Signature: <u>Bux Lever</u> file	