

EUROPEAN FEDERATION FOR WELDING, JOINING AND CUTTING



Having satisfied the requirements of the EWF Manufacturer Certification System for the following Scheme(s):

Welding Quality Management Scheme EN ISO 3834 Part [2] (Doc. EWF 636 – Part 1)

Company: Glacier Energy Services Holdings Ltd

The Unit: N/A

Located in: Glasgow

is certified for the product(s):

Fabrication, welding and high nickel alloy weld overlay of carbon manganese and low alloy components and fabrication and welding of stainless steel components for use by oil & gas industries

with the scope of work stated in the attached Schedule

Certificate number and revision status: 120054/GB – Rev. 2

First Issue date: 17/04/2012

Current issue date: 15/05/2017

Date of expiry: 04/05/2022

ANBCC Governing Board Representative

Julio Tolaini

Scheme Manager

Chris Eady

TWI Certification Ltd, United Kingdom



This certificate is subject to the rules established by EWF for the certification of Companies

EFW Manufacturer Certification System

SCHEDULE

Extent of validity of EFW Certificate N° 120054/GB Rev. 3

Product standard(s):

API 6A	ISO 10423	NACE MR-0175
NORSOK M-101	NORSOK M-601	

Alternative Standard(s) (refer to EN ISO 3834 – 5)

ASME IX

**Welding process
(ISO 4063)**

MMA (111)
TIG (141)

**Parent material groups
(CEN ISO/TR 15608)**

Group 1 Carbon steel
Group 2 Thermomechanically treated steel
Group 3 Quench and tempered steels
Group 5 Cr-Mo steels
Group 8 Austenitic stainless steel
Group 11 Steels covered by Grp 1 with $0.25\% < C \leq 0.85\%$

Responsible Coordination Personnel:

Scheme**	Name	Qualification	Job function and level***
ISO 3834	A Cowan	IEng MWeldI, EWE/IWE	Comprehensive
	I Craig	PhD Metallurgy	Comprehensive

**Specify EN ISO 3834, EMS or SMS

*** In the case of EN ISO 3834 scheme, the level must be stated in order to comply with EN ISO 14731

ANBCC Governing Board Representative



Julio Tolaini

Scheme Manager



Chris Eady



INTERNATIONAL INSTITUTE OF WELDING



**Having satisfied the requirements of the IIW
Manufacturer Certification Scheme for the
Management of Quality in Welding**

The Unit: N/A
Located in: Glasgow
Company: **Glacier Energy Services Holdings Ltd**

is certified in accordance with

ISO 3834 Part 2 – Doc. IAB 337

For the product(s): Fabrication, welding and high nickel alloy weld overlay of carbon manganese and low alloy components and fabrication and welding of stainless steel components for use by oil & gas industries

with the scope of work stated in the attached Schedule

Certificate number and revision status: 120054/GB – Rev. 2

First Issue date: 17/04/2012

Current issue date: 15/05/2017

Date of expiry: 04/05/2022

ANBCC Governing Board Representative

Julio Tolaini

Scheme Manager

Chris Eady

TWI Certification Ltd, United Kingdom



This Certificate is subject to the rules established by IIW
for the certification of Companies





IIW Manufacturer Certification Scheme

SCHEDULE

Extent of validity of IIW Certificate N° 120054/GB Rev. 2

Product standard(s):

API 6A	ISO 10423	NACE MR-0175
NORSOK M-101	NORSOK M-601	

Alternative Standard(s) (refer to ISO 3834 – 5)

ASME IX

Welding process (ISO 4063)

MMA	(111)
TIG	(141)

Parent material groups (ISO/tr 15608)

Group 1 Carbon steel
Group 2 Thermomechanically treated steels
Group 3 Quenched and tempered steels
Group 5 Cr-Mo steels
Group 8 Austenitic stainless steel
Group 11 Steels covered by Grp1 with 0.25%<C≤0.85%

Responsible Coordination Personnel:

Name	Qualification	Job function and level***
A Cowan	IEng MWeldl, EWE/IWE	Comprehensive
I Craig	PhD Metallurgy	Comprehensive

*** The level must be stated in order to comply with ISO 14731

ANBCC Governing Board Representative

Julio Tolaini

Scheme Manager

Chris Eady



The standards and documents referred in the certificate and schedule are those valid at the time of certification





TWI Certification Ltd

Welding Fabricator Certification Scheme

Registration Number 120054/GB Rev 1

This is to Certify that

Glacier Energy Services Holdings Ltd

*has been assessed in accordance with the
Rules of the scheme in respect of their control
of welding operations involved in the manufacture of:*

***Fabrication, welding and high nickel ally weld overlay of
carbon manganese and low alloy components and
fabrication and welding of stainless steel components
for use by oil & gas industries***

as shown on the attached Schedule

***The Company's Welding Management System
complies with ISO 3834 Part 2 and EWF/IIW requirements***

Chairman
Certification Management Board

Full details are held on the TWI register of Certified Companies

Scheme Manager



Schedule

<i>Glacier Energy Services Holdings Ltd Unit 603 Clyde Gateway East, London Road, Glasgow G32 8RH</i>	<i>Registration Number 120054/GB Issue 3 Valid: 15 May 2017 to 4 May 2022 (subject to satisfactory periodic surveillance)</i>
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Product range:

Fabrication, welding and high nickel alloy weld overlay of carbon manganese and low alloy components and fabrication and welding of stainless steel components for use by oil & gas industries

Materials

*Group 1 Carbon steel
Group 2 Thermomechanically treated steel
Group 3 Quenched and tempered steel
Group 5 Cr-Mo steels
Group 8 Austenitic stainless steel
Group 11 Steels covered by Grp 1 with $0.25\% < C \leq 0.85\%$*

Chairman
Certification Management Board

Scheme Manager