



# CERTIFICATE

Awarded to

## PETROVIETNAM TECHNICAL SERVICES CORPORATION

Head Office : Floor 05, PetroVietnam Tower, 01-05 Le Duan Street, Ben  
Address: Nghe Ward, District 1, Ho Chi Minh City, SR Viet Nam

Bureau Veritas Vietnam certify that, the Welding Quality Management System of above organization with its subsidiaries has been assessed and found to be in accordance with the requirements of the standard detailed below

STANDARD

### EN ISO 3834-2:2021

QUALITY REQUIREMENTS FOR FUSION WELDING OF  
METALLIC MATERIALS

### COMPREHENSIVE QUALITY REQUIREMENTS

Certificate N°: **INY-CER/23/196 Rev.0**

Initial approval date: **20<sup>th</sup> April 2023**

Certification cycle start date: **20<sup>th</sup> April 2023**

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: **20<sup>th</sup> April 2026**

On conditions to satisfy continuously to quality requirements and submitted to annual re-evaluation by BV Auditors qualified for this.

Certificate issued on: **21<sup>st</sup> April 2023**

*The Annexes to the certificate on 7 (seven) pages is relating to the integral subsidiaries of this certificate.*

*Issued by Bureau Veritas Vietnam*

*To check this certificate validity please call (+ 84.28. 38 122 196)*

Signed by



**PHAM THI HONG HIEP**  
Industry Manager



MANAGING OFFICE: Bureau Veritas Vietnam, Unit 4.4A, 4th Floor, E-Town Building  
364 Cong Hoa Street, Tan Binh District, Ho Chi Minh City, Vietnam



## ANNEX 1 TO CERTIFICATE N°INY-CER/23/196 Rev.0

Subsidiaries 1 : **PTSC MECHANICAL AND CONSTRUCTION LIMITED COMPANY**  
Address **(PTSC M&C)**  
No 31, Road 30/4, Ward 9, Vung Tau city, Ba Ria - Vung Tau province, SR Viet Nam

Fabrication : No 65A, Road 30/4, Thang Nhat Ward, Vung Tau city, Ba Ria - Vung Tau  
Yard province, SR Viet Nam

### Welding and Allied processes

Parent material groups <i>According to ISO/TR 15608</i>	Welding processes <i>According to ISO 4063</i>
Group 1/Sup-Group 1.1	121, 135, 136

AWS D1.1/D1.1M; D1.6/D1.6M - Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
Group I, II, III; A	SMAW, FCAW, GTAW, GMAW, SAW

ASME IX – Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
P-No. 1, 5A, 8, 10H, 34, 43, 51	GTAW, SMAW, FCAW

DNV-OS-C401 – Alternative standard with reference to EN ISO 3834-5	
Parent material groups <i>According to DNV-OS-B101</i>	Welding processes <i>According to DNV-OS-C401</i>
Strength Group: NS, HS & EHS up to SMYS 460 MPa	SMAW, SAW, FCAW

### Responsible Welding Coordination Personnel

NAME	QUALIFICATION	LEVEL
NGUYEN HUY TUAN	International Welding Engineer (IWE) Certificate No.: IWE/VN-HN/1170/111/301-06	C
PHAM DAC TIEN	TWI- Senior Welding Inspector CSWIP 3.2.2. Certificate No.: 512232	S
TRAN NGOC VINH	TWI- Senior Welding Inspector CSWIP 3.2.2- Certificate No.: 512233	S

Competency level in order complied with ISO 14731:2019

Certificate issued on: **21<sup>st</sup> April 2023**  
Issued by Bureau Veritas Vietnam.

Signed by:



**PHAM THI HONG HIEP**  
Technical Manager

MANAGING OFFICE: Bureau Veritas Vietnam, Unit 4.4A, 4th Floor, E-Town Building  
364 Cong Hoa Street, Tan Binh District, Ho Chi Minh City, Vietnam



## ANNEX 2 TO CERTIFICATE N°INY-CER/23/196 Rev.0

Subsidiaries 2 : **PETRO VIETNAM MARINE SHIPYARD JOINT STOCK COMPANY (PV SHIPYARD)**

Address

No 65A, Road 30/4, Thang Nhat Ward, Vung Tau city, Ba Ria - Vung Tau province, SR Viet Nam

Fabrication : No 65A, Road 30/4, Thang Nhat Ward, Vung Tau city, Ba Ria - Vung Tau  
Yard province, SR Viet Nam

### Welding and Allied processes

AWS D1.1/D1.1M - Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
Group I, II, ABS Grade: DH36, EH36, EQ47, EQ63, EQ51	FCAW
Group I, II	SMAW
Group I, II	SAW

ASME IX – Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
P-No. 1	SMAW
P-No. 1, 8	GTAW

### Responsible Welding Coordination Personnel

NAME	QUALIFICATION	LEVEL
DINH VAN DOANH	<ul style="list-style-type: none"><li>- International Welding Engineer (IWE) Certificate No. IWE/VN-HN/1170/111/301-04</li><li>- Certified Welding Inspector (CWI) Certificate No.: 15122481</li></ul>	C

Competency level in order complied with ISO 14731:2019

Certificate issued on: **21<sup>st</sup> April 2023**

Issued by Bureau Veritas Vietnam.

Signed by:



**PHAM THI HONG HIEP**  
Industry Manager



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### ANNEX 3 TO CERTIFICATE N°INY-CER/23/196 Rev.0

Subsidiaries 3 : **PTSC PRODUCTION SERVICES JOINT STOCK COMPANY  
(PTSC PPS)**  
Address Floor 16, Petro Hotel, No 09-11 Hoang Dieu Street, Ward 1, Vung  
Tau city, Ba Ria - Vung Tau province, SR Viet Nam

Workshop : No 65A, Road 30/4, Thang Nhat Ward, Vung Tau city, Ba Ria - Vung  
Address Tau province, SR Viet Nam

#### Welding and Allied processes

Parent material groups <i>According to ISO/TR 15608</i>	Welding processes <i>According to ISO 4063</i>
Group 1/Sup-group 1.1, 1.2	136

AWS D1.1/D1.1M - Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
Group I, II	SMAW

ASME IX – Alternative standard with reference to EN ISO 3834-5	
Parent materials groups	Welding processes
P-No. 1, 8, 10H, 34H	GTAW
P-No. 1, 8	SMAW

#### Responsible Welding Coordination Personnel

NAME	QUALIFICATION	LEVEL
PHAM QUANG VINH	- International Welding Engineer (IWE) Certificate No.: IWE/VN-HN/1170/111/301-02 - TWI - Welding Inspector CSWIP 3.1 Certificate No.:102311	C
PHAN THO DUNG	- TWI - Welding Inspector CSWIP 3.1 Certificate No.:80523 - Sufficient technical knowledge and experience related to welding according to ISO 14731:2019	S

Competency level in order complied with ISO 14731:2019

Certificate issued on: **21<sup>st</sup> April 2023**  
Issued by Bureau Veritas Vietnam.

Signed by:



**PHAM THI HONG HIEP**  
Industry Manager





#### ANNEX 4 TO CERTIFICATE N°INY-CER/23/196 Rev.0

Subsidiaries 4 : **PTSC OFFSHORE SERVICES JOINT STOCK COMPANY**  
Address **(PTSC POS)**  
No 65A, Road 30/4, Thang Nhat Ward, Vung Tau city, Ba Ria - Vung Tau province, SR Viet Nam

Workshop : No 65A, Road 30/4, Thang Nhat Ward, Vung Tau city, Ba Ria - Vung Tau province, SR Viet Nam  
Address

#### Welding and Allied processes

AWS D1.1/D1.1M - Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
Group I, II, III, A	SMAW, FCAW, GMAW, SAW

ASME IX – Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
P-No.1, 4, 5A, 8, 10H, 34, 43, 51	GTAW, SMAW, FCAW

DNV-OS-F101/API 1104 – Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
API 5L X65 PSL2 – Clad 625, ASTM A694 (F60, F65)	GTAW, SMAW

#### Responsible Welding Coordination Personnel

NAME	QUALIFICATION	LEVEL
DANG QUOC KHANH SON	<ul style="list-style-type: none"><li>- International Welding Engineer (IWE) Certificate No.: IWE/VN-HN/1170/111/301-03</li><li>- TWI-Senior Welding Inspector CSWIP 3.2.2 Certificate No.: 496682</li></ul>	C
PHAM QUANG VINH	<ul style="list-style-type: none"><li>- International Welding Engineer (IWE) Certificate No.: IWE/VN-HN/1170/111/301-02</li><li>- TWI - Welding Inspector CSWIP 3.1 Certificate No.: 102311</li></ul>	C

Competency level in order complied with ISO 14731:2019

Certificate issued on: **21<sup>st</sup> April 2023**  
Issued by Bureau Veritas Vietnam.

Signed by:



**PHAM THI HONG HIEP**  
Industry Manager



MANAGING OFFICE: Bureau Veritas Vietnam, Unit 4.4A, 4th Floor, E-Town Building  
364 Cong Hoa Street, Tan Binh District, Ho Chi Minh City, Vietnam



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## ANNEX 5 TO CERTIFICATE N°INY-CER/23/196 Rev.0

Subsidiaries 5 : **BRANCH OF PETRO VIETNAM TECHNICAL SERVICES CORPORATION (PTSC SUPPLY BASE)**  
Address : No 65A, Road 30/4, Thang Nhat Ward, Vung Tau city, Ba Ria - Vung Tau province, SR Viet Nam  
Fabrication : No 65A, Road 30/4, Thang Nhat Ward, Vung Tau city, Ba Ria - Vung  
Yard : Tau province, SR Viet Nam

### Welding and Allied processes

AWS D1.1/D1.1M - Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
S355G10+M	GTAW, FCAW

DNV-OS-C401 – Alternative standard with reference to EN ISO 3834-5	
Parent materials groups According to DNV-OS-B101	Welding processes According to DNV-OS-C401
Strength Group: NS, HS & EHS up to SMYS 460 MPa	SMAW, FCAW

### Responsible Welding Coordination Personnel

NAME	QUALIFICATION	LEVEL
NGUYEN HUY TUAN	- International Welding Engineer (IWE) Certificate No.: IWE/VN-HN/1170/111/301-06	C
TRAN CONG SON	- International Welding Inspector IWI Level B (Certificate No: VN-SL-Hanoi- 1178-101208-024-IIW); - Sufficient technical knowledge and experience related to welding according to ISO 14731:2019	S
PHAM VAN NAM	- Certified Welding Inspector (CWI) Certificate No.: 22082691; - Sufficient technical knowledge and experience related to welding according to ISO 14731:2019	S

Competency level in order complied with ISO 14731:2019

Certificate issued on: **21<sup>st</sup> April 2023**  
Issued by Bureau Veritas Vietnam.

Signed by:



**PHAM THI HONG HIEP**  
Industry Manager

MANAGING OFFICE: Bureau Veritas Vietnam, Unit 4.4A, 4th Floor, E-Town Building  
364 Cong Hoa Street, Tan Binh District, Ho Chi Minh City, Vietnam



## ANNEX 6 TO CERTIFICATE N°INY-CER/23/196 Rev.0

Subsidiaries 6 : **PTSC THANH HOA TECHNICAL SERVICES COMPANY**  
Address **(PTSC THANH HOA)**  
Nghị Sơn Commune, Nghi Sơn Town, Thanh Hoa Province, SR  
Viet Nam  
Fabrication : Nghi Sơn Commune, Nghi Sơn Town, Thanh Hoa Province, SR  
Yard Viet Nam

### Welding and Allied processes

AWS D1.1/D1.1M - Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
Group I, II	FCAW, SMAW, SAW

ASME IX – Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
P-No. 1, 8	GTAW, SMAW, FCAW
P-No. 4Gr.1, 45	GTAW, SMAW
P-No.42, 5A	GTAW

### Responsible Welding Coordination Personnel

NAME	QUALIFICATION	LEVEL
NGUYEN VAN SANG	International Welding Engineer (IWE) Certificate No.: IWE/VN-HN/1170/111/301-01	C
TONG MINH CUONG	TWI - Welding Inspector CSWIP 3.1 Certificate No.: 495424	S

Competency level in order complied with ISO 14731:2019

Certificate issued on: **21<sup>st</sup> April 2023**

Issued by Bureau Veritas Vietnam.

Signed by:

  
**PHAM THI HONG HIEP**  
Industry Manager



## ANNEX 7 TO CERTIFICATE N°INY-CER/23/196 Rev.0

Subsidiaries 7 : **SAO MAI - BEN DINH PETROLEUM INVESTMENT JOINT STOCK COMPANY (PVSB)**  
Address : No 65A, Road 30/4, Thang Nhat Ward, Vung Tau city, Ba Ria - Vung Tau province, SR Viet Nam  
Fabrication : No 65A, Road 30/4, Thang Nhat Ward, Vung Tau city, Ba Ria - Vung Tau province, SR Viet Nam  
Yard

### Welding and Allied processes

AWS D1.1/D1.1M - Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
Group I, II	SMAW, FCAW
S355G7+M, S275, S235	SMAW, FCAW

ASME IX – Alternative standard with reference to EN ISO 3834-5	
Parent material groups	Welding processes
P-No.1	GTAW, SMAW

### Responsible Welding Coordination Personnel

NAME	QUALIFICATION	LEVEL
DINH VAN DOANH	<ul style="list-style-type: none"><li>- International Welding Engineer (IWE) Certificate No.: IWE/VN-HN/1170/111/301-04</li><li>- Certified Welding Inspector (CWI) Certificate No.: 15122481</li></ul>	C
HUYNH THANH PHUOC	<ul style="list-style-type: none"><li>- TWI - Welding Inspector CSWIP 3.1 Certificate No.: 395871</li></ul>	S
NGUYEN VAN LOC	<ul style="list-style-type: none"><li>- Sufficient technical knowledge and experience related to welding according to ISO 14731:2019</li></ul>	B
PHAM VAN NAM	<ul style="list-style-type: none"><li>- Certified Welding Inspector (CWI) Certificate No.: 22082691;</li><li>- Sufficient technical knowledge and experience related to welding according to ISO 14731:2019</li></ul>	S

Competency level in order complied with ISO 14731:2019

Certificate issued on: **21<sup>st</sup> April 2023**  
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**PHAM THI HONG HIEP**  
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