November 02, 2017

Attention: Tanya Francis

TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON  M9W 6N9

Email: tfrancis@tssa.org

The design submission, tracking number 2017-06572, originally received on October 19, 2017 was surveyed and accepted for registration as follows:

CRN : 0F19115.52
Reg Type: ADDITION TO ACC. FITTING
Drawing No.: SCOPE OF CRN REVISION
Fitting type: LEVEL TRANSMITTER

Design registered in the name of : ABB INC

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.1 and ASME B31.3.

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.

This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.

Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,

LIU, XING, P. Eng.
DOP Cert. No. D00008861
STATUTORY DECLARATION
Registration of Fittings

I, Mr. Steve Hunsberger, Manager Quality Assurance of ABB Inc., located at 125 East County Line Road, Warminster, PA, 18974 USA do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

☒ comply with the requirements of ASME B31.1 and B31.3 Standards which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or

☐ are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _______________ as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, DNV GL -- Business Assurance is being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Category F

(brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:
LMT Report 0119-0008-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KXL140100G0001, 3KXL140300G0001

DECLARED before me at Warminster PA in the County of Bucks this 16 day of June, 2019 (city) (province or state) (Month) (Year)

(print) (a Commissioner of Oaths or Notary Public)

(sign) (a Commissioner of Oaths or Notary Public)

For ABSA Office Use Only:
NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category

Registration Number: OF19115.52

(Date Registered: 2017-11-02 Expiry Date: 2027-01-25)

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.
SCOPE OF CRN REVISION

ORIGINAL CRN: 0F19115.5C
ABB MODELS REGISTERED: LMT100
REASON FOR CRN REVISION: Original manufacturing location will cease production at the end of the year. Production is being moved to the following ABB location:

125 E. County Line Road
Warminster, PA, USA
18974-4995

There is no change to the registered design; this is a change in manufacturing location only. The CRN needs to be revised such that the new manufacturing location has been added to the CRN and the owner of the CRN is changed to this location as well.
Attn: TANYA FRANCIS
Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2175876, for a Fitting is accepted for registration as follows:
Registered To: ABB INC

CRN: 0F19115.51

Drawing #: 3KXL140100G001 sht 1/3
Drawing Revision: NC

Conditions Of Registration:
LMT100 Magnetostrictive Level Transmitter. Update of reg’n party & mfg location as per att’d scope sheet.
This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer’s Notes:
No change in design or scope of registration. As required by CSA B51 4.2.1, this registration expires on January 25, 2027. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS
boiler.designregistration@technicalsafetybc.ca
Design Administration

cc:
SCOPE OF CRN REVISION

ORIGINAL CRN: OF19115.5C
ABB MODELS REGISTERED: LMT100
REASON FOR CRN REVISION: Original manufacturing location will cease production at the end of the year. Production is being moved to the following ABB location:

125 E. County Line Road
Warminster, PA, USA
18974-4995

There is no change to the registered design; this is a change in manufacturing location only. The CRN needs to be revised such that the new manufacturing location has been added to the CRN and the owner of the CRN is changed to this location as well.

[Stamps and signatures]
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NOVA SCOTIA
PRINCE EDWARD ISLAND
YUKON
NORTHWEST TERRITORIES
NEWFOUNDLAND AND LABRADOR

MANUFACTURER'S NAME: ABB Inc.

MANUFACTURER'S ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA

PLANT LOCATIONS: Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED: CIRCLE ONE CATEGORY ONLY
A Pipe fittings, including couplings, tees, elbows, Yi, plugs, unions, pipe caps, or reducers
B Flanges: all flanges
C Valves: all line valves
D Expansion joints, flexible connections, and hose assemblies: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs
H Pressure retaining components that do not fall into one of the above categories
I Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting AECB or ASME requirements)

TYPE OF CONSTRUCTION: FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESIGNED OTHER ☐ COMPRESSION FITTINGS

SHOW MANUFACTURER'S NAME, TRADEMARK, OR LOGO AS I T WILL APPEAR ON THE PRODUCT: ABB

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:
LMT Report 0119-0008-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KXL140100G0001, 3KXL140300G0001

DECLARATION:

I, Mr. Steve Hunsbarger (see note 1) employed by ABB Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure, temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL – Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
Declared before me at Warminster, PA on the 16th day of June, 2011
Commissioner of Oaths or Notary Public (align) [Signature]

COMMONWEALTH OF PENNSYLVANIA
USE THIS SPACE FOR THE NOTARIAL SEAL FOR THE NOTARY PUBLIC

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F19115.5 ADD1
FID#: 15499

ACCEPTED

PROVINCE OF PRINCE EDWARD ISLAND
COMMUNITIES, LAND & ENVIRONMENT

C.R.N. 0F19115.59 ADD1
DATE: 04-27-2017

INSP. SERVICES SECTION
BOILER/PRESSURE VESSEL BRANCH
**MANUFACTURERS NAME:** ABB Inc.  
**MANUFACTURERS ADDRESS:** 125 East County Line Road, Warminster, PA, 18974 USA  
**PLANT LOCATIONS:** Pennsylvania, USA  
**CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY:**
- A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers  
- B Flanges: all flanges  
- C Valves: all line valves  
- D Expansion joints, flexible connections, and hose assemblies: all types  
- E Strainers, filters, separators, and steam traps  
- F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters  
- G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs  
- H Pressure retaining components that do not fall into one of the above categories  
- I Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting AECB or ASME requirements)  
**SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT:**

![ABB Logo]

**LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:**

- LMT Report 0119-0008-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KXL1401000G0001, 3KXL1403000G0001

---

**DECLARATION:**

I, Mr. Steve Hunsberger, employed by ABB Inc., and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL — Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 

Declared before me at 

Warminster PA

This 16 day of June 2017

Commissioner of Oaths or Notary Public (sign):

Chris Perry

(Affix Official seal to the right)

---

**COMMONWEALTH OF PENNSYLVANIA**

**NOTARIAL SEAL FOR THE**

[Seal]

CHRISTINE FERRY, Notary Public

Warminster Township, Bucks County

My Commission Expires April 20, 2019

---

This space for Regulatory Authority use

This registration must be revalidated after ten (10) years from the date of acceptance.

**CRN:** OF19115.5 ADD1  
**FID#:** 15499

**Notes:**

1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NOVA SCOTIA
PRINCE EDWARD ISLAND
YUKON
NORTHWEST TERRITORIES
NEWFOUNDLAND AND LABRADOR

MANUFACTURER'S NAME: ABB Inc.
MANUFACTURER'S ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA
PLANT LOCATIONS: Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
B Flanges: all flanges
C Valves: all line valves
D Expansion joints, flexible connections, and hose assemblies: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters
G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs
H Pressure retaining components that do not fall into one of the above categories
N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐, (Meeting AECB or ASME requirements)

SHOW MANUFACTURER'S NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT
ABB

TITLE OF THE STANDARD OF CONSTRUCTION
ASME B31.1 and B31.3 Standards

TYPE OF CONSTRUCTION
FORGED ☐ WELDED ☐ WROUGHT ☐ CAST ☐ OTHER ☐ DESCRIBE OTHER:
Compression Fittings

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:
LMT Report 0119-0008-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KXL140100G0001, 3KXL140300G0001

DECLARATION:
I, Mr. Steve Hunsberger (see note 3) employed by ABB Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL - Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: 
Declared before me at Warminster, PA
This __6__ day of JUNE AD 2017
Commissioner of Oaths or Notary Public: (sign)
(Stamp Official seal to the right)

COMMONWEALTH OF PENNSYLVANIA
NOTARY SEAL FOR THE
USE THIS SPACE FOR THE
CHRISTINE FUREY, Notary Public
Warminster Township, Bucks County
My Commission Expires April 20, 2019

This space for Regulatory Authority use
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OF19115.5 ADD1
FID#: 15499

Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

<table>
<thead>
<tr>
<th>NEW BRUNSWICK</th>
<th>NOVA SCOTIA</th>
<th>PRINCE EDWARD ISLAND</th>
<th>NEWFOUNDLAND AND LABRADOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUNAVUT</td>
<td>YUKON</td>
<td>NORTHWEST TERRITORIES</td>
<td></td>
</tr>
</tbody>
</table>

**MANUFACTURERS NAME:** ABB Inc.

**MANUFACTURERS ADDRESS:** 125 East County Line Road, Warminster, PA, 18974 USA

**PLANT LOCATIONS:** Pennsylvania, USA

**CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY**

| A | Pipe fittings, including couplings, tees, elbows, Y's, plugs, unions, pipe caps, or reducers |
| B | Flanges: all flanges |
| C | Valves: all line valves |
| D | Expansion joints, flexible connections, and hose assemblies: all types |
| E | Strainers, filters, separators, and steam traps |
| F | Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters |
| G | Certified capacity-rated pressure relief devices acceptable as primary over-pressure protection on boilers, pressure vessels, piping and fusible plugs |
| H | Pressure retaining components that do not fall into one of the above categories |
| N | Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☑ (Meeting AEGB or ASME requirements)

**SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT**

[Image of ABB logo]

**LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:**

LMT Report 0119-0008-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KX140100G0001, 3KX140300G0001

**DECLARATION:**

I, Mr. Steve Hunsberger (see note 2) employed by ABB Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL - Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer:

[Signature]

Declared before me at Warminster, PA

This 16th day of June, AD 2017

Commissioner of Oaths or Notary Public: [Signature]

(After official seal to the right)

**COMMONWEALTH OF PENNSYLVANIA**

**USE THIS SPACE FOR THE**

CHRISTINE FURY, Notary Public
Warminster Township, Bucks County
My Commission Expires April 20, 2019

**This space for Regulatory Authority use**

This registration must be revalidated after ten (10) years from the date of acceptance.

<table>
<thead>
<tr>
<th>CRN:</th>
<th>0F19115.5 ADD1</th>
</tr>
</thead>
<tbody>
<tr>
<td>FID#:</td>
<td>15499</td>
</tr>
</tbody>
</table>

**Notes:**

1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

**NEW BRUNSWICK** | **NOVA SCOTIA** | **PRINCE EDWARD ISLAND** | **YUKON** | **NORTHWEST TERRITORIES** | **NEWFOUNDLAND AND LABRADOR**
---|---|---|---|---|---

**MANUFACTURERS NAME:** ABB Inc.

**MANUFACTURERS ADDRESS:** 125 East County Line Road, Warminster, PA, 18974 USA

**PLANT LOCATIONS:** Pennsylvania, USA

**CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY**

- A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
- B Flanges: all flanges
- C Valves: all line valves
- D Expansion joints, flexible connections, and hose assemblies: all types
- E Strainers, filters, separators, and steam traps
- F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters
- G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs
- H Pressure retaining components that do not fall into one of the above categories
- N Nuclear components: Class 1 [ ] Class 2 [ ] Class 3 [ ] (Meeting AECB or ASME requirements)

**TITLE OF THE STANDARD OF CONSTRUCTION**

ASME B31.1 and B31.3 Standards

**TYPE OF CONSTRUCTION**

Forged [ ] Welded [ ] Wrought [ ]

Cast [ ] Other [ ]

Describe Other [ ]

**DESCRIPTION:** Compression Fittings

**LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:**

LMT Report 0119-0008-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KXL140100G0001, 3KXL140300G0001

**DECLARATION:**

I, Mr. Steve Hunsberger (see note 2) employed by ABB Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and Identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL - Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]

Declared before me at Warminster PA

This 16 day of JUNE AD 2017

Commissioner of Oaths or Notary Public: [Signature]

(Affix Official seal to the right)

COMMONWEALTH OF PENNSYLVANIA

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F19115.5 ADD1

FID#: 15499

Notes:

1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK NOVA SCOTIA PRINCE EDWARD ISLAND NEWFOUNDLAND AND LABRADOR

NUNAVUT YUKON NORTHWEST TERRITORIES

MANUFACTURERS NAME: ABB Inc.
MANUFACTURERS ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA
PLANT LOCATIONS: Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY
A. Pipe fittings, including couplings, tees, elbows, Y's, plugs, unions, pipe cops, or reducers
B. Flanges: all flanges
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D. Expansion joints, flexible connections, and hose assemblies: all types
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G. Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping, and fusible plugs
H. Pressure retaining components that do not fall into one of the above categories
N. Nuclear components: Class 1 | Class 2 | Class 3 | (Meeting AECB or ASME requirements)

TYPE OF CONSTRUCTION
FORGED O WELDED O MOLDED O ROLLED O CAST O OTHER O DESCRIBE OTHER

TWO OF THE STANDARDS OF CONSTRUCTION
ASME B31.1 and B31.3 Standards

SHOW MANUFACTURERS NAME, TRADMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

ABB

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:
LMT Report 0119-0008-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KXL140100G0001, 3KXL140300G0001

DECLARATION:
I, Mr. Steve Hunsberger (name of individual employed by ABB Inc. and the person having full authority and responsibility for the quality of the end product) do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL - Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer:

Declared before me at Warminster, PA
This 16th day of June, 2017
Commissioner of Oaths or Notary Public: (sign)

COMMONWEALTH OF PENNSYLVANIA

REGISTRATION OF FITTINGS

CRN: 0F19115.5 ADD1
FID#: 15499

Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  NOVA SCOTIA  PRINCE EDWARD ISLAND  NEWFOUNDLAND AND LABRADOR
NUNAVUT  YUKON  NORTHWEST TERRITORIES

MANUFACTURERS NAME: ABB Inc.
MANUFACTURERS ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA
PLANT LOCATIONS Pennsylvania, USA

CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers
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N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting AECB or ASME requirements)

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

ABB

TITLE OF THE STANDARD OF CONSTRUCTION
ASME B31.1 and B31.3 Standards

TYPE OF CONSTRUCTION
FORGED ☐ WELDED ☐ WROUGHT ☐
CAST ☐ OTHER ☐
DESCRIPTION OTHER
Compression Fittings

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:

LMT Report 0119-0008-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KXL140100G0001, 3KXL140300G0001

DECLARATION:

I, Mr. Steve Hansberger (see note 3) employed by ABB Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DNV GL—Business Assurance as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
Declared before me at WARMINSTER, PA
This 16 day of JUNE AD 2017
Commissioner of Oaths or Notary Public: (sign) Christine Fenney
(Affix Official seal to the right)

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OF1911S.5 ADD1
FID#: 15499

Notes:
1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.
January 5, 2018

TSSA
345 Carlingview Drive
Toronto, ON
M9W 6N9

Attn: Tanya Francis

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: ABB Inc.

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

<table>
<thead>
<tr>
<th>DRAWING / CATALOGUE</th>
<th>CRN</th>
<th>FILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change of MFG location</td>
<td>0F19115.54</td>
<td>38402</td>
</tr>
</tbody>
</table>

An invoice covering survey and registration fees is enclosed.

NOTES:

1. CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA. This registration expires January 25, 2027.

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Regards,

Ryan Orlesky, C.E.T.
Design Surveyor
Office of the Fire Commissioner
Inspection and Technical Services Manitoba
508 - 401 York Avenue
Winnipeg, Manitoba, R3C 0P8
Phone: 204-945-3373
Email: ryan.orlesky@gov.mb.ca
STATUTORY DECLARATION
Registration of Fittings

I, Mr. Steve Hunsberger, Manager Quality Assurance
(Name and Position, e.g. President, Plant Manager, Chief Engineer)
of ABB Inc.
(Name of Manufacturer)

Located at 125 East County Line Road, Warminster, PA, 18974 USA
(Plant Address)
(215-674-6000)
(215-674-7183)
(Telephone No.)
(Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

ASME B31.1 and ASME B31.3

(Titles of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with

as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of

ISO 9001:2008 which has been verified by the following authority, DNV GL -- Business Assurance

The items covered by this declaration, for which I seek registration, are category F -- Measuring Devices type fittings. In support of

this application, the following information and/or test data are attached as follows:

LMT Report 0119-0009-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KXL140100G0001, 3KXL140300G0001

(drawings, calculations, test reports, etc.)

Declared before me at Warminster, PA in the County of Bucks

the 16th day of June, AD 2017.

Commissioner for Oaths:

COMMONWEALTH OF PENNSYLVANIA

Christine Fury, Notary Public
Warminster Township, Bucks County
My Commission Expires April 20, 2019

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and

CSA Standard B51 and is accepted for registration in Category

CRN:

Registered by:

Dated:

NOTE: This registration expires on: JAN 25, 2027

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

PV 00653 (04/17)
STATUTORY DECLARATION
Registration of Fittings

I, Mr. Steve Hunsberger, Manager Quality Assurance
of ABB Inc. of

Located at 125 East County Line Road, Warminster, PA, 18974 USA 215-674-6000 215-674-7183

☐ do solemnly declare that the fittings listed hereunder, which are subject to the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.1 and ASME B31.3

☐ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008

which has been verified by the following authority, DNV GL -- Business Assurance

The items covered by this declaration, for which I seek registration, are category F -- Measuring Devices type fittings. In support of this application, the following information and/or test data are attached as follows:

LMT Report 0119-0008-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KXL140100G0001, 3KXL140300G0001

drawings, calculations, test reports, etc.)

Declared before me at Warminster, PA in the County of Bucks the 16th day of June AD 2017.

Commissioner for Oaths:

[Signature]

COMMONWEALTH OF PENNSYLVANIA

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration. Category F

CRN: 0F19115.5ADDI

Registered by: Mark Valcic, P.Eng.

Dated: Aug 2, 2017

NOTE: This registration expires on: Jan 25, 2027

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

PV 09553 (04/17)
**SCOPE OF CRN REVISION**

**ORIGINAL CRN:**
OF19115.5C

**ABB MODELS REGISTERED:**
LMT100

**REASON FOR CRN REVISION:**
Original manufacturing location will cease production at the end of the year. Production is being moved to the following ABB location:

125 E. County Line Road
Warminster, PA, USA
18974-4995

There is no change to the registered design; this is a change in manufacturing location only. The CRN needs to be revised such that the new manufacturing location has been added to the CRN and the owner of the CRN is changed to this location as well.
Statutory Declaration of Registration of Fittings

(a) Design Qualification

1st Mr. Steve Hunsberger
Manager Quality Assurance

Or ABB Inc.

Located at 125 East County Line Road, Warminster, PA, 18974 USA

Do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

☐ comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required:

Or

☐ are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which comolies with the requirements of ISO9001:2008, and has been verified by the following authority or authorized agency DNV GL -- Business Assurance

The fittings² covered by this declaration, for which I seek registration, are Category F

In support of the application, the following information, calculations and/or test data are attached:

LMTF Report 0119-0006-SAAR-0001; DSI/LMT 150-EN and DS/LMT300-EN; Drawings 3X1L140100G0001, 3X1L140300G0001

Declared before me at Warminster PA

In the of County of Bucks

The 16 Day of June AD 1929

A (commissioner) for oaths

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

CHRISTINE FURY, Notary Public
Warminster Township, Bucks County
My Commission Expires April 20, 2019

Signature of Declarer

For Official Use Only

The application is accepted for registration in Category F in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

EXPIRY DATE: JAN 25 2021

Registered Number CRN CSA-OF19115.56ADD1

For the Chief Inspector

R. Barnes

Date: Nov 10, 2017

Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.

All fittings are required to be registered in the name of the Manufacturer.

This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.

See the attachment for the scope of the registration.
I. Declaration Information

I, Mr. Steve Hunsberger, Manager Quality Assurance of ABB Inc., located at 125 East County Line Road, Warminster, PA, USA, 18974 do solemnly declare that the fittings listed hereunder, which are subject to the Saskatchewan Boiler and Pressure Vessel Safety Act (check one)

- Comply with the requirements of ASME B31.1 and ASME B31.3 which specifies the dimensions, materials of construction, pressure / temperature ratings and identification marking of the fittings, or
- Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ____________________________ as supported by the attached data which identifies the dimensions, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority. DNV GL -- Business Assurance as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are ISO 9001:2008

In support of the application, the following information, calculations and / or test data are attached:

- LMT Report 0119-0008-SAR-0001; DS/LMT100-EN and DS/LMT300-EN; Drawings 3KXL140100G0001, 3KXL140300G0001

II. Declaration

DECLARED before me at WARMINSTER PA in the COUNTY of BUCKS this 16 day of COMMONWEALTH OF PENNSYLVANIA, 2019.

NOTARIAL SEAL

CHRISTINE FURBY, Notary Public

Warminster Township, Bucks County
My Commission Expires April 20, 2019

(Signature)

Signature of Commissioner of Oaths)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Boiler and Pressure Vessel Safety Act and CSA B51, Clause 4.2, and is accepted for registration in Category CSA-OF9115.56ADDI (Registration Number)

(Expiration Date - MM DD YYYY)

R. BARNES

Chief Inspector

Note: See the attachment for the scope of the registration.
August 02, 2017

RICHARD COOK
INR ENGINEERING LTD.
115 EATON ST.
GEORGETOWN ON L7G 5T3
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2130222
Your Reference No.: 
Registered to: ABB INC

Dear RICHARD COOK,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0F19115.5ADD1
Main Design No.: ADD1: Change of the manufacturing location and CRN ownership only. There is no change in design or the scope of registration.
Expiry Date: 25-Jan-2027

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org
SCOPE OF CRN REVISION

ORIGINAL CRN: 0F19115.5C
ABB MODELS REGISTERED: LMT100
REASON FOR CRN REVISION: Original manufacturing location will cease production at the end of the year. Production is being moved to the following ABB location:

125 E. County Line Road
Warminster, PA, USA
18974-4995

There is no change to the registered design; this is a change in manufacturing location only. The CRN needs to be revised such that the new manufacturing location has been added to the CRN and the owner of the CRN is changed to this location as well.

ATTACHMENT TO
C.R.N. CSA-OF19115.5ADD
Signed: [Signature]
178 Roxdale Boulevard, Toronto, ON Canada M5W 1R3

THIS IS PART OF CRN 0F19115.5ADD
Technical Standards & Safety Authority
Boilers & Pressure Vessels Safety Program
[Signature] [Date: Nov 2 17]