

505 - 6th Street, Suite 200 New Westminster, BC V3L 0E1

> Toll Free: 1-866-566-SAFE Fax: (778) 396 - 2064 www.safetyauthority.ca

ANRIC ENTERPRISES INC 202-701 EVANS AVENUE TORONTO ON M9C 1A3 CANADA Date:

June 9, 2016

Account #: 35616

Journal #: 65660

Our File #: 5594575

Attn: ALICIA CZERNIAWSKI

Re: Application for Design Registration

..

The design, as detailed in your, OSX-1601-0147, for a Fitting is accepted for registration as follows:

Registered To: ABB INC

CRN:

0F18455.51

Drawing #: LLT100 Scope of Registration

### **Conditions Of Registration:**

Registration of a Laser Measuring Device LLT100 Series as per scope of registration.

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.

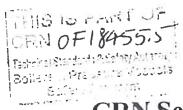
### **Reviewer's Notes:**

As required by CSA B51 4.2.1, this registration expires on May 10, 2026. 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.

KURTIS MCLELLAND (778) 396-2077 Kurtis.McLelland@safetyauthority.ca Design Administration

cc:







# CRN Scope of Registration for LLT100

Flange Sample description	For Use in Instrument model(s)*	Maximum Working Pressure (MAWP) for ANSI/ISA 12.27.01	Proof Tested Pressure	Maximum Working Pressure (MAWP) to B31.1&31.3 for CRN
FL-8, ASME Class 150 Stainless Steel Flange (SN:1584451-002) (A182 Gr.F316)	LLT100.XXCXXX (Class 150)	128 bar (1856 PSI)	384 bar (5568 PSI)	38.4 bar (556.8 PSI)
FL-10, ASME Class 300/600 Stainless Steel Flange (SN:1584452-002) (A182 Gr.F316)	LLT100.XXDXXX (Class 300) LLT100.XXEXXX (Class 600)	213 bar (3089 PSI)	640 bar (9280 PSI)	64 bar (928 PSI)
FL-12, DIN PN16/PN40 Stainless Steel Flange (SN:1584453-002) (A182 Gr F316)	LLT100.XXFXXX (DIN PN16) LLT100.XXGXXX (DIN PN40)	128 bar (1856 PSI)	384 bar (5568 PSI)	38.4 bar (556.8 PSI)
FL-14, ASME Class 150/DIN PN16 Aluminum Universal Flange (SN:1584446-002), with window cemented with Sylgard 567 Die cast aluminum YL104 (Chinese alloy) (equivalent to US alloy A360)	LLT100.XXAXXX	32 bar (464PSI)	96 bar (1392 PSI)	9.6 bar (139.2 PSI)
FL-16, ASME Class 150/DIN PN16 Aluminum Universal Flange (SN:1584445-002), with window cemented with Elastosil RT-607 Die cast aluminum YL104 (Chinese alloy) (equivalent to US alloy A360)	LLT100.XXAXXX	32 bar (464PSI)	96 bar (1392 PSI)	9.6 bar (139.2 PSI)
FL-18, ASME Class 150/DIN PN16 Stainless Universal Flange (SN: 1584449-002), with window cemented with Sylgard 567 (Material A-351, Gr. CF3M)	LLT100 XXBXXX	25 3 bar (367PSI)	76 bar (1104 PSI)	7.6 bar (110.4 PSI)

<sup>\* &</sup>quot;X" in instrument model numbers refers to any alpha-numeric character that accounts for construction variations that are NOT subjected to the process pressure. (E.g. Instrument Body, optional display, connection terminals...)

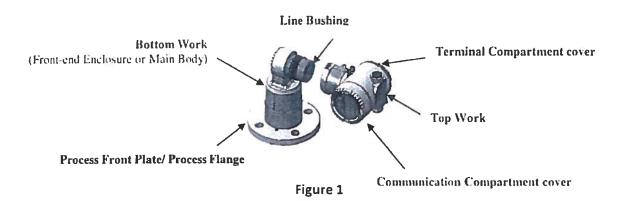
ABB Inc.

3BOM000142D0717 rev A

<sup>\*\*</sup> FL-16 is the same flange than FL-14, except assembled and tested with an alternate cement. This will not result in a different instrument configuration at the end.

# **ANRIC** Enterprises Inc.

701 Evans Ave, Suite 202, Toronto, Ontario, Canada M9C 1A3

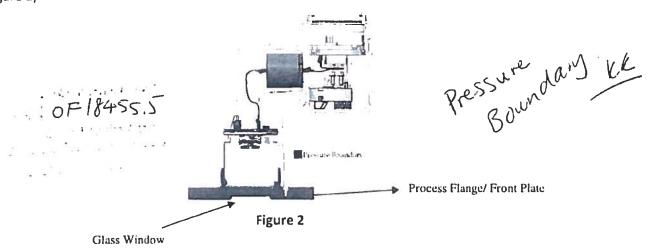


Phone: (416) 253-9459

Fax: (416) 252-5335

### 2.2 Pressure Boundary Areas

The pressure resisting areas of the product consist of only the process flange and the glass window. (Figure 2)



### 2.3 Product Variations

There are some variations in the construction and the materials of construction. The variations in body materials do not require additional testing as the body is not pressure boundary. The major variation in the product range is the material (aluminum or stainless steel), and Pressure class (Class 150/300.600/PN 16 of the process flange and the type of connection between the glass window/sight glass and the process front plate/ process flange. These variations are cemented glass window and fused glass window with a raised face. The variations in the glass type are illustrated in Figure 3 on the following page.

5#65660



9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

July 21, 2016

Attention: Alicia Czerniawski ANRIC ENTERPRISES INC 701 EVANS AVENUE STE 202 TORONTO, ON M9C 1A3

The design submission, tracking number 2016-03890, originally received on July 14, 2016 was surveyed and accepted for registration as follows:

CRN:

0F18455.52

Accepted on: July 21, 2016

Reg Type:

New Design

Expiry Date: May 10, 2026

Drawing No.: LASERMEASURING DEVICE LLT100 SERIES SCOPE

Fitting type: LASERMEASURING DEVICE

Design registered in the name of : ABB INC

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

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,

GRYNCHUK, MILLA





### STATUTORY DECLARATION Registration of Fittings



I, _	Mr. Andreas Strauch	LLT100
	Development & Technology Manager	
(com	npany title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)	
of	ABB INC.	
	(name of manufacturer)	
locat	ted at 3400 Rue Pierre-Ardouin, Québec, Québec, G1P 0B2, CANADA	
	(plant address)	
(che	olemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act ck one)	
$\boxtimes$		es the dimensions,
	(title of recognized North American Standard)	
_	materials of construction, pressure/temperature ratings and identification marking of the	<b>3</b> 1
	are not covered by the provisions of a recognized North American standard and are there	fore manufactured to
	comply with as supported by the attached data which i	identifies the dimensions,
	materials of construction, pressure/temperature ratings and the basis for such ratings, and	the marking of the fittings
	for identification.	
I furt	ther declare that the manufacture of these fittings is controlled by a quality control program v	which has been verified by the
	owing authority, SGS North America Inc. as being suitable for the manufa	
	ed standard. The fittings covered by this declaration, for which I seek registration, are categories	· ·
	apport of this application, the following information, calculations and/or test data are attached	
	be of the registration, proof tests report, ISO9001 certificate.	1.
эсор	to the registration, proof tests report, 1509001 certificate.	
=		· · · · · · · · · · · · · · · · · · ·
DEC	CLARED before me at Quebec in the province of	Quebec
thic	12th	<u> </u>
this _	day of Month, (Year)	
(prin	O WITTERSTONE TO TOTAL	
(sign	(Signature of Ap	oplicant)
	(A Commissioner for Oaths)	
For (	Office Use Only	
To th	the best of my knowledge and belief, the application meets the requirements of the Safety Cod. Clause 4.2, and is accepted for registration in Category	les Act and CSA Standard
	stration Number: 0F18455.52 Grync	heers
Date	Registered: JUL 2 1 2016 (For the Administrator/C Expiry Date:	Chief Inspector of Albertal  Way 10 2026
inform	ation you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and F	Regulations in the Boiler Discipline.

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and feel affects with the feeling of the programs as required by the Alberta Safety Codes Act and feeling affects are the feeling of the programs as required by the Alberta Safety Codes Act and feeling affects are the feeling of the programs as required by the Alberta Safety Codes Act and feeling affects are the feeling of the programs as required by the Alberta Safety Codes Act and feeling affects are the feeling of the programs as required by the Alberta Safety Codes Act and feeling affects are the feeling of the programs as required by the Alberta Safety Codes Act and feeling affects are the feeling of the feeling affects are the feeling affects and feeling affects are the feeling affects and feeling affects are the feeling affects affects are the feeling affects are the feel





# CRN Scope of Registration for LLT100

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FL-12, DIN PN16/PN40 Stainless Steel Flange (SN:1584453-002) (A182 Gr.F316)	LLT100.XXFXXX (DIN PN16) LLT100.XXGXXX (DIN PN40)	128 bar (1856 PSI)	384 bar (5568 PSI)	38.4 bar (556.8 PSI)
FL-14, ASME Class 150/DIN PN16 Aluminum Universal Flange (SN:1584446-002), with window cemented with Sylgard 567 Die cast aluminum YL104 (Chinese alloy) (equivalent to US alloy A360)	LLT100.XXAXXX	32 bar (464PSI)	96 bar (1392 PSI)	9.6 bar (139.2 PSI)
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FL-18, ASME Class 150/DIN PN16 Stainless Universal Flange (SN: 1584449-002), with window cemented with Sylgard 567 (Material A-351, Gr. CF3M)	LLT100.XXBXXX		76 bar (1104 PSI)	7.6 bar (110.4 PSI)

\* "X" in instrument model numbers refers to any alpha-numeric character that accounts for construction variations that are NOT subjected to the process pressure. (E.g. Instrument Body, optional display, connected to the process pressure. (E.g. Instrument Body, optional display, connected to the same flange than FL-14, except assembled and tested with an alternate cement. This will not result in a different instrument configuration at the end.

REGISTRATION NO.

**0F1**8455.5

DWG. NO. OF CAT. NO. SCOPE LL7/0 LASER MEASURING Divice

ABB INCE OF FITTINGS

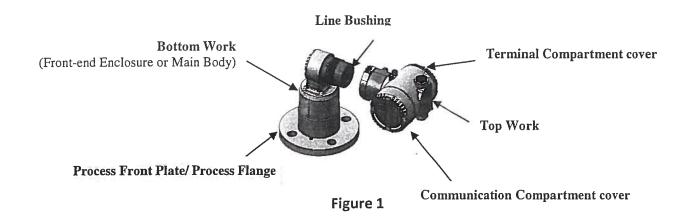
3BOM000142D0717 rev.A

3400 Rue Pierre-Ardouin Québec, QC, G1P 0B2 CANADA

Telephone/Phone (418) 877-2944 (800) 858-FTIR (3847) Amériques/America 0810 620 000 France Telecopieu NIZIALS (418) 877-2834

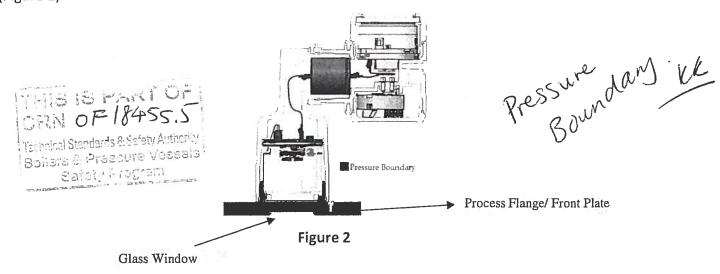
MILLA GRYNCHUK, P.Eng. DESIGN SURVEY ENGINEER

Phone: (416) 253-9459 Fax: (416) 252-5335



### 2.2 Pressure Boundary Areas

The pressure resisting areas of the product consist of only the process flange and the glass window. (Figure 2)



#### 2.3 Product Variations

There are some variations in the construction and the materials of construction. The variations in body materials do not require additional testing as the body is not pressure boundary. The major variation in the product range is the material (aluminum or stainless steel), and Pressure class (Class 150/300.600/PN 16 of the process flange and the type of connection between the glass window/sight glass and the process front plate/ process flange. These variations are cemented glass window and fused glass window with a raised face. The variations in the glass type are illustrated in Figure 3 on the following page.



2202 2nd Avenue Regina, SK S4R 1K3 Canada 1 (866) 530-8599 info@tsask.ca www.tsask.ca

#### **REGISTRATION OF A PRESSURE FITTING DESIGN**

24-Aug-16

ANRIC Enterprise Inc. 701 Evans Avenue, Suite 202 Toronto, ON M9C 1A3

Attention: Alicia Czerniawski File Number: 10242 [ 0 F]

Re: Manufacturer: ABB Inc.

Item: Laser Level Transmitter

Catalog or Drawing: ABB Scope of Registration for LLT100

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OF18455.53 Expiry Date: May 10, 2026

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Athan Syrgiannis, Engineer-in-Training Codes and Standards Compliance

Remarks:

CRN registered under reciprocal agreement.



2202 2nd Ave.

Regina, SK S4R 1K3
PH: (306)798-7112 Toll Free: (866)530-8599
FAX: (306)787-9273 Toll Free: (866)760-9255
Email: bollerpermits@tsask.ca
Website: www.tsask.ca

# Statutory Declaration (Registration of Filings)

TSK-1008

Page 1 of 1

			1011-1000
I. Declaration Inform	nation		
I. Mr. Andreas Stra	auch		
	Technology Manage		
(company titl (must be in a position of	le, e.g. vice president, plant manag authority in the manufacturing plar	ger, chief engineer) It where the fitting is produced)	LLT1
of: ABB INC.		• • • • • • • • • • • • • • • • • • • •	
0400 D	(name of manufacture	•	
located at: 3400 Rt (Plant Address	ue Pierre-Ardouin, Q ss – Apt/Street)	uébec, QC, G1P 0B2, Cana (City,Prov)	(Postal Code)
do solemnly declare that to Vessel Safety Act (check	he fittings listed hereinung cone)	der, which are subject to the <b>Saska</b>	
	quirements of ASME E (title of recognication, pressure / tempera	331.1 & B31.3 which which specificated North American Standard) ture ratings and identification marki	n specifies the dimensions,
O Are not covered by to comply with data which identifies	the provisions of a recogn	nized North American standard and a ls of construction, pressure / tempe	are therefore manufactured as supported by the attached
verified by the following au of these fittings to the state <u>Category - F - fittin</u> In support of this application	uthority, <u>SGS North A</u> ed standard. The fittings on the fittings on the following information, the following information.	gs is controlled by a quality control merica Inc. as being covered by this declaration, for whites Laser Level Transmitter on, calculations and / or test data a ort, ISO9001 certificate.	g suitable for the manufacturer ch I seek registration, are
II. Declaration  DECLARED before me at	Québec	In the Observe of	. 0 1
this 13 th day of (print name) (Signature of Commissioner of C	Parent (Plos	In the province	of Quetec
III. Office Use Only To the best of my knowledge CSA B51, Clause 4.2, and is	and better, the application in capital top in C	eets the requirements of the <i>Boller an</i> ategory	d Pressure Vessel Safety Act and
(Registration Number)	CRNOF18455.53	(Date Registered – MM DD YYYY) (For the Administrator / Chief Inspector)	(Expiry Date – MM DD YYYY)
	File 10242		
	REGISTERED Date Ag. 24, 2016		TSK-1008 Rev. 09/2012 Page 1 of 1

Design Survey Office

Fechnical Safety Authority of Saskatchewan Boiler & P.V. Safety Unit

CRN OF18455.53

File 10242

REGISTERED

Date Avg. 24, 2016



# **CRN Scope of Registration for LLT100**

Design Survey Office

n Survey Office	LEM 1::	ha	h	I a.a
Flangé Sample description	For Use in Instrument model(s)*	Maximum Working Pressure (MAWP) for ANSI/ISA 12.27.01	Proof Tested Pressure	Maximum Working Pressure (MAWP) to B31.1&31.3 for CRN
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FL-12, DIN PN16/PN40 Stainless Steel Flange (SN:1584453-002) (A182 Gr.F316)	LLT100.XXFXXX (DIN PN16) LLT100.XXGXXX (DIN PN40)	128 bar (1856 PSI)	384 bar (5568 PSI)	38.4 bar (556.8 PSI)
FL-14, ASME Class 150/DIN PN16 Aluminum Universal Flange (SN:1584446-002), with window cemented with Sylgard 567 Die cast aluminum YL104 (Chinese alloy) (equivalent to US alloy A360)	LLT100.XXAXXX	32 bar (464PSI)	96 bar (1392 PSI)	9.6 bar (139.2 PSI)
FL-16, ASME Class 150/DIN PN16 Aluminum Universal Flange (SN:1584445-002), with window cemented with Elastosil RT-607 Die cast aluminum YL104 (Chinese alloy) (equivalent to US alloy A360)	LLT100.XXAXXX	32 bar (464PSI)	96 bar (1392 PSI)	9.6 bar (139.2 PSI)
FL-18, ASME Class 150/DIN PN16 Stainless Universal Flange (SN: 1584449-002), with window cemented with Sylgard 567 (Material A-351, Gr. CF3M)	LLT100.XXBXXX		76 bar (1104 PSI)	7.6 bar (110.4 PSI)

<sup>\* &</sup>quot;X" in instrument model numbers refers to any alpha-numeric character that accounts for construction variations that are NOT subjected to the process pressure. (E.g. Instrument Body, optional display, connection terminals...)

ABB Inc.

<sup>\*\*</sup> FL-16 is the same flange than FL-14, except assembled and tested with an alternate cement. This will not result in a different instrument configuration at the end.



### Inspection and Technical Services Manitoba

500 - 401 York Avenue Winnipeg Manitoba R3C 0P8 T (204) 945-3373 F (204) 948-2309

www.firecomm.gov.mb.ca/codes steam pressure.html

July 29, 2016

Anric Enterprises Inc. Suite 202-701 Evans Ave. Toronto, ON M9C 1A3

Attn: Alicia Czerniawski

#### 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.

DRAWING / CATALOGUE	CRN	FILE
LLT100 SERIES	0F18455.54	36683

### An invoice covering survey and registration fees is enclosed.

**NOTE:** CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: **TSSA**. This registration expires **May 10, 2026**.

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

AND IMMIGRATION 500 - 401 York Avenue Winnipeg, Manitoba R3C 0P8



### STATUTORY DECLARATION REGISTRATION OF FITTINGS

(a) Design Qualification						
1Mr. Andreas Strauch_		11 T400				
(See Note 2)		LLT100				
Development & Technology Manager						
(Position e.g.: president	plant manager, chief eng	g.)				
of ABB INC.						
(Name of company)		<del>-</del>				
located at _3400 Rue Pierre-Ardouin, Québec, Québec, G1P 0B2, CANADA						
(Plant Address)						
do solemnly declare that the fittings listed hereunder, which are subject to the Boiler	s & Pressure Vessels Act	.,				
$\underline{\mathbf{X}}$ comply with all the requirements of the ANSI/ASME codes as to their dim or	ensions.					
are not covered by the provisions of the ANSI/ASME codes, and are there code or standard, and are des		ly with				
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 por a list of the second points of the second po	ogram which complies vency _ SGS North Ameri	vith the requirements of ca Inc.				
The fittings covered by this declaration, for which I seek registration, are <u>category</u>	- F – type of fittings.					
In support of the application, the following information, calculations and/or test data  Scope of the registration, proof tests report, ISO9001 certificate.	are attached:					
Declared before me atin the province/state of _	Québec	the 13 <sup>th</sup>				
day of May AD 20 6						
A (commissioner for oaths)  Gilla Pare, notain  Signature of Declarer						
(For Official Use Only)						
	accordance with the Boil	ers and Pressure Vessels Act				
This registration must be revalidated after ten (10) years from the date of acceptance.						
EXPIRES MAYIU, 2016						
Registered Number CRN 9 F 18455.54 For the Chief Inspector	2011					
Date: JULY 29	Loly					

- (1) This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced. (2) Two completed copies of Statutory Declaration form together with two copies of Catalogs, drawings or Bulletins illustrating above
- fittings shall be submitted.
- (3) All fittings are required to be registered in the name of the Manufacturer.





# **CRN Scope of Registration for LLT100**

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ABB Inc.

<sup>\*\*</sup> FL-16 is the same flange than FL-14, except assembled and tested with an alternate cement. This will not result in a different instrument configuration at the end.



14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4 Tel.: 416.734.3300 Fax: 416.231.1628 Toll Free: 1.877.682.8772

www.tssa.org

May 10, 2016

ALICIA CZERNIAWSKI ANRIC ENTERPRISES 701 EVANS AVE SUITE 202 TORONTO ON M9C 1A3 CA

Service Request Type: BPV-Fitting Registration

Service Request No.: 1852714

Your Reference No.: OSX-1601-0147

Registered to: ABB INC

Dear ALICIA CZERNIAWSKI,

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

CRN: 0F18455.5

Main Design No.: LASER MEASURING DEVICE LLT100 SERIES - SEE CRN

SCOPE OF REGISTRATION FOR LLT100 (1PG)

Expiry Date: 10-May-2026

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

See one sheet of attachment to Statutory Declaration for scope.

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, 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,

Kaivan Kia P. Eng., PMP Mechanical Engineer, BPV

Tel.: 416-734-3457 Fax: 416-231-6183 Email: kkia@tssa.org



# TECHNICAL STANDARDS & SAFETY AUTHORITY

14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4 Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



### STATUTORY DECLARATION **Registration of Fittings** Mr. Andreas Strauch, Development & Technology Manager (Name and Position, e.g. President, Plant Manager, Chief Engineer) of ABB INC. Located at 3400 Rue Pierre-Ardouin, Québec, Québec, G1P 0B2 418-877-2944 418-877-2834 (Plant Address) (Telephone No.) (Fax No.) obsolemnly 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 B31.3 (Title 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 ISO9001:2008 which has been verified by the following authority, SGS North America Inc. The items covered by this declaration, for which I seek registration, are category - F type fittings. In support of this application, the following information and/or test data are attached as follows: Scope of the registration, proof tests report, ISO certificate. (drawings, calculations, test reports, etc.) Declared before me at 1195 Ave Lavigerie in the City of Queboc /9\_\_\_\_\_ day of \_\_\_04 AD 20 /6. Commissioner for Oaths: NATHALIE BREAUL (Printed name) (Signature) (Signature of Declarer) 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: his registration expires on May 10/2026 May 10/16 May





# CRN Scope of Registration for LLT100

Flange Sample description	For Use in Instrument model(s)*	Maximum Working Pressure (MAWP) for ANSI/ISA 12.27.01	Proof Tested Pressure	Maximum Working Pressure (MAWP) to B31.1&31.3 for CRN
FL-8, ASME Class 150 Stainless Steel Flange (SN:1584451-002) (A182 Gr.F316)	LLT100.XXCXXX (Class 150)	128 bar (1856 PSI)	384 bar (5568 PSI)	38.4 bar (556.8 PSI)
FL-10, ASME Class 300/600 Stainless Steel Flange (SN:1584452-002) (A182 Gr.F316)	LLT100.XXDXXX (Class 300) LLT100.XXEXXX (Class 600)	213 bar (3089 PSI)	640 bar (9280 PSI)	64 bar (928 PSI)
FL-12, DIN PN16/PN40 Stainless Steel Flange (SN:1584453-002) (A182 Gr.F316)	LLT100.XXFXXX (DIN PN16) LLT100.XXGXXX (DIN PN40)	128 bar (1856 PSI)	384 bar (5568 PSI)	38.4 bar (556.8 PSI)
FL-14, ASME Class 150/DIN PN16 Aluminum Universal Flange (SN:1584446-002), with window cemented with Sylgard 567 Die cast aluminum YL104 (Chinese alloy) (equivalent to US alloy A360)	LLT100.XXAXXX	32 bar (464PSI)	96 bar (1392 PSI)	9.6 bar (139.2 PSI)
FL-16, ASME Class 150/DIN PN16 Aluminum Universal Flange (SN:1584445-002), with window cemented with Elastosil RT-607 Die cast aluminum YL104 (Chinese alloy) (equivalent to US alloy A360)	LLT100.XXAXXX	32 bar (464PSI)	96 bar (1392 PSI)	9.6 bar (139.2 PSI)
FL-18, ASME Class 150/DIN PN16 Stainless Universal Flange (SN: 1584449-002), with window cemented with Sylgard 567 (Material A-351, Gr. CF3M)	LLT100.XXBXXX	25.3 bar (367PSI)	76 bar (1104 PSI)	7.6 bar (110.4 PSI)

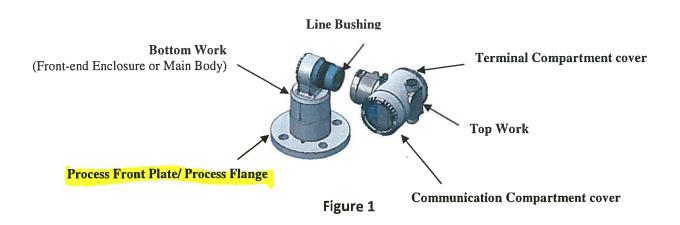
<sup>\* &</sup>quot;X" in instrument model numbers refers to any alpha-numeric character that accounts for construction variations that are NOT subjected to the process pressure. (E.g. Instrument Body, optional display, connection terminals...)

ABB Inc.

<sup>\*\*</sup> FL-16 is the same flange than FL-14, except assembled and tested with an alternate cement. This will not result in a different instrument configuration at the end.

# ANRIC Enterprises Inc.

701 Evans Ave, Suite 202, Toronto, Ontario, Canada M9C 1A3



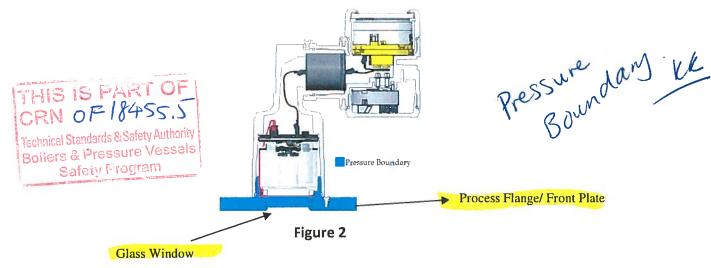
Phone: (416) 253-9459

Fax: (416) 252-5335

### 2.2 Pressure Boundary Areas

The pressure resisting areas of the product consist of only the process flange and the glass window.

(Figure 2)



### 2.3 Product Variations

There are some variations in the construction and the materials of construction. The variations in body materials do not require additional testing as the body is not pressure boundary. The major variation in the product range is the material (aluminum or stainless steel), and Pressure class (Class 150/300.600/PN 16 of the process flange and the type of connection between the glass window/sight glass and the process front plate/ process flange. These variations are cemented glass window and fused glass window with a raised face. The variations in the glass type are illustrated in Figure 3 on the following page.



Le 12 août 2016.

MRS. ALICIA CZERNIAWSKI ANRIC ENTERPRISES 701 EVANS AVE. SUITE 202 TORONTO ONTARIO CANADA M9C1A3

REFERENCE: C.R.N. application

SCOPE OF REGISTRATION FOR LLT100

LASER MEASURING DEVICE LLT 100

OUR REFERENCE : 956322 MANUFACTURER : ABB INC.

3400 PIERRE ARDOUIN

QUÉBEC QC CANADA G1P0B2

Dear Madam,

According to our law respecting pressure vessels, your plan has been accepted and registered under the number 0F18455.56.

GILLES BONNIER

Inspecteur

Bureau d'expertise et d'homologation en équipements sous pression 545, boulevard Crémazie est, 7 ème étage Montréal (Québec) Canada H2M 2V2

Téléphone : (514) 873-6459 Sans frais : 1 866 262-2084 Télécopieur : (514) 873-9936 Rêgie du bătiment Québec

# Statutory Declaration Registration of Fittings

(a) I	Design Qualification
<b>1</b> 1	Mr. Andreas Strauch
_	(Name of applicant)
	Development & Technology Manager  (Position eg, president, plant manager, chief eng.)
of /	ABB INC.
· _	(name of company)
Local	ted at 3400 Rue Pierre-Ardouin, Québec, QC, G1P 0B2
	(plant address)
do so	elemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:
⊠ Or	comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: $B31.1$ and $B3L3$
	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.
(p) (	Quality control of Manufacture
I furth	ner declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of 9001:2008, and has been verified by the following authority or authorized agency <u>SGS North America Inc.</u>
	ittings <sup>2</sup> covered by this declaration, for which I seek registration, are Category - F- fittings for "LLT100" series, Laser Level smitter
	oport of the application, the following information, calculations and/or test data are attached: see of the registration, proof test report, ISO9001 certificate.
Decla	ared before me at Quebec
In the	of province of Québec
The	Gilla Par notain AD 2006
	A (commissioner for oaths)  Signature of Declarer
	For Official Use Only
The and	e application is accepted for registration in Category in accordance with the Boilers and Pressure Vessels Act I CSA Standard B51.
This	s registration must be revalidated after ten (10) years from the date of acceptance.
Reg	For the Chief Inspector Date 12 ADUT 2016

Three completed copied 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.



# **CRN Scope of Registration for LLT100**

Flange Sample description	For Use in Instrument model(s)*	Maximum Working Pressure (MAWP) for ANSI/ISA 12.27.01	Proof Tested Pressure	Maximum Working Pressure (MAWP) to B31.1&31.3 for CRN
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<sup>\* &</sup>quot;X" in instrument model numbers refers to any alpha-numeric character that accounts for construction variations that are NOT subjected to the process pressure. (E.g. Instrument Body, optional display, connection terminals...)

0F18455.56

ABB Inc.

1 2 AOUT 2016

3BOM000142D0717 rev. A

<sup>\*\*</sup> FL-16 is the same flange than FL-14, except assembled and tested with an alternate cement. This will not result in a different instrument configuration at the end.

# **ANRIC** Enterprises Inc.

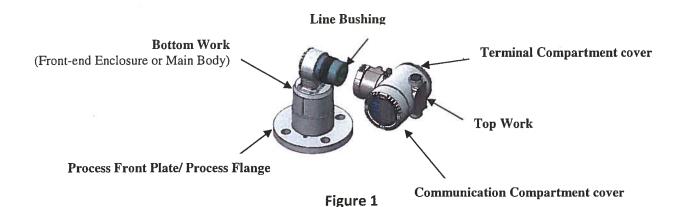
701 Evans Ave, Suite 202, Toronto, Ontario, Canada M9C 1A3

Bottom works enclosure: This is also called Front-End Enclosure or the Main Body

Phone: (416) 253-9459

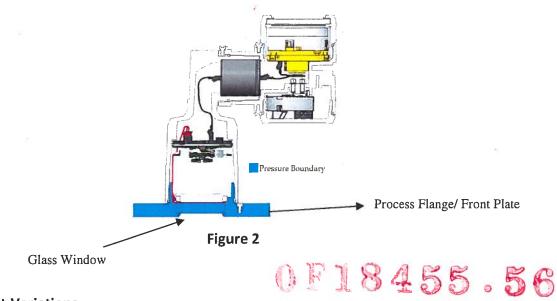
Fax: (416) 252-5335

Process front plate/ process flange



### 2.2 Pressure Boundary Areas

The pressure resisting areas of the product consist of only the process flange and the glass window. (Figure 2)



1 2 AOUT 2016

#### 2.3 Product Variations

There are some variations in the construction and the materials of construction. The variations in body materials do not require additional testing as the body is not pressure boundary. The major variation in the product range is the material (aluminum or stainless steel), and Pressure class (Class 150/300.600/PN 16 of the process flange and the type of connection between the glass window/sight glass and the process front plate/ process flange. These variations are cemented glass window and fused glass window with a raised face. The variations in the glass type are illustrated in Figure 3 on the following page.

**NEW BRUNSWICK NOVA SCOTIA** PRINCE EDWARD ISLAND NEWFOUNDLAND AND LABRADOR NUNAVUT YUKON **NORTHWEST TERRITORIES** MANUFACTURERS NAME: ABB INC. MANUFACTURERS ADDRESS: 3400 Rue Pierre-Ardouin, Québec, Québec, G1P 0B2, CANADA PLANT LOCATIONS: IDEM CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.1 and B31.3 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 Strainers, filters, separators, and steam traps F) Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters 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 Cl, (Meeting CNSC or ASME requirements) SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT TYPE OF CONSTRUCTION FORGED WELDED WROUGHT CAST OTHER DESCRIBE OTHER: Threaded fittings LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Scope of the registration, proof tests report, ISO9001 certificate. **DECLARATION:** I Mr. Andreas Strauch (see note 3) employed by ABB INC. and being the person having full authority 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 and being the person having full authority and 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 1965 North America Inc. \_\_\_\_\_ as being suitable for the purpose and I make this declaration conscientions being the little by the purpose and knowing that it is of the same force and effect as if made under oath. as being suitable for the purpose and I make this solemn Signature of Da Declared before 2016 **BOILER & PRESSURE VESSEL ACT** Commissioner d or Notary Public REGISTRATION ONLY This space for Regulatory Authority use Stradon must be revalidated after ten (10) years from the date CRN: 0F18455.5 EXAMINER FID#: 15328 CHIEF BOILER IN 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. BLRs

FITTINGS COMPONENTS

Sect. 1.0 - Fittings Rev. 1 06/2003

3. The declaration shall be made by the person having full authority and

4. Quality control programs shall be resubmitted for validation

responsibility for the quality of the end product.

at a maximum interval of five (5) years.

**NEW BRUNSWICK** 

**NOVA SCOTIA** 

PRINCE EDWARD ISLAND

NEWFOUNDLAND AND LABRADOR

NUNAVUI	YUKON	NORTHWEST TERRITORIES	
MANUFACTURERS N	ABB INC.		
MANUFACTURERS A	ADDRESS: 3400 Rue F	Pierre-Ardouin, Québec, Québec, G1P (	B2, CANADA
PLANT LOCATIONS			
CATEGORY OF	ITTINGS TO BE REGI	STERED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
A Pige fittings, includ	ling countings, tees, ethows	Ve objec training placement on midures	ASME B31.1 and B31.3

is, eloows, Ys, plugs, unions, pipe caps, or raducers

B Flanges: all flanges

C Valves: all line valves

D Expansion joints, flexible connections, and hose assemblies: all types

Strainers, filters, separators, and steam traps

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 CNSC or ASME requirements) SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

TYPE OF CONSTRUCTION

FORGED WELDED C WROUGHT CAST SOTHER C DESCRIBE OTHER Thresded fittings

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Scope of the registration, proof tests report, ISO9001 certificate.

### DECLARATION:

I Mr. Andreas Strauch	(188 note 3) employed by _ABB INC.	and being the person having full authority :	hnd
responsibility for the quality of the	end product do sciemnly declare that	t the information contained in this form is true and to the heat or	****
my knowledge represents the prod	uct for which registration is sought.	The dimensions, materials of construction, pressure	
temperature ratings, and identifica	ition markings are in accordance with	the herein named standards. I further declare that the magnifactor	DR:
of these fittings is regulated by a C	Mality Control Program which extend	S to each plant where fabrication secure in whole	, -
or in part and has been yent epible	1 19GS North America Inc.	as being suitable for the purpose and I make this solemn	
declaration conscientions y belief	the to be true and knowing that it is	as being suitable for the purpose and I make this solemn of the same force and effect as if made under oath,	
	THY PRODUCTION OF THE PROPERTY		

Signature of Declared b

This

Commissione or Notary Puf

This space for Regulatory Authority use pRESSUR must be revalidated after ten (10) years for

OF18455.5

FID#: 15328

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. -

Signed Sect. 1.0 - Fittings Rev. 1 06/2003

NEW	BRUNSWIC	K
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PRINCE EDWARD ISLAND

NEWFOUNDLAND AND LABRADOR

NUNAV	UT	YUKON	NORTHWEST TERRITORI	ES	GONOBARO AND EXBRADOR
MANUFAC	TURERS NAME:	ABB INC.			
MANUFACT	TURERS ADDRE	SS: 3400 Rue Pierre-	Ardouin, Québec, Qué	bcc, GIP 0	B2. CANADA
PLANT LO	CATTONS: [DE	M			
CATEGO	ORY OF FITTI	NGS TO BE REGISTERE	D. CIRCLE ONE CATEGO	RY ONLY	TUBLE OF THE STANDAND OF CONSTRUCTION
A Pipe fitti B Flanges: C Valves:	ngs, including co all flanges all line valves		igs, unions, pipe caps, or reduc		ASME B31.1 and B31.3
E Strainers	i, lilters, separato	ers, and steam trace	, ,		
hiesante	r ansmittars		auges, sight glasses, levels, or		
H Pressure	pressure vessels	, piping and fusible plugs incats that do not fall into or	able as primary over pressure is of the above categories ①, (Meeting CNSC or ASME re		
SHOW MAN	UFACTURERS NA	ME. YRADEMARK, OR LOGO	AS IT WILL APPEAR ON THE	egylrements) PRODUCT	TYPE OF CONSTRUCTION
AA BR		1 77 4 0 0			PORGED ED WELDED I WROUGHT
		LT100			CAST SO OTHER CO DESCRIPE OTHER! Thresded Rillings
LIST OF	UPPORTING	DOCUMENTATION AND	DIDENTIFICATION OF T	HE ACTUAL	TEMS TO BE REGISTERED:
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DECLARATIO	DN:				
temperature of these firm	for the quality of the represents the ratings, and identifies is required to	product for which registrate as ne le tegnitive markings are in ac wis Osinity Coottoi impram	ily declare that the information	contained in the materials of co ed standards. I	further declare that the manufacture
Clamphone	0.00				
Signature (	A CARD				
Declared b			(vec)		
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or Notary	Public GID		D. notan		
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CRN: _	OF18455.	<u> </u>			) PRINCE EDWARD ISLAND IES, LAND & ENVIRONMENT
FID#:	15328				=18455-59
Notes:					(124 - 12/
L Alt fittl		itered in the name of the his supported with two Statutor		DATE:	an?
forms and	one copy of sup	porting documentation.	,		11/2
responsib	liky for the qualit	i made by the person having ly of the end product. Is shall be resubmitted for v			TON SERVICES SECTION RESSURE VESSEL BRANCH
	mum interval of f				Sect. 1.0 - fittings Rev. 1 06/2003

**NEW BRUNSWICK** NUNAVUT

NOVA SCOTIA

PRINCE EDWARD ISLAND

NEWFOUNDLAND AND LABRADOR

RORITAYES TERRITORIES	
MANUFACTURERS NAME: ABB INC.	
MANUFACTURERS ADDRESS: 3400 Rue Pierre-Ardouin, Québec, Québec, G1P 0	B2, CANADA
PLANT LOCATIONS: [DEM	
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	ASME B31.1 and B31.3
C Valves: all line valves  D Expansion joints, flexible connections, and hose assembles: 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 bollers, pressure vessels, plping 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 CNSC or ASM6 requirements)	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION
ABB LLT100	FORGED WELDED WROUGHT CAST OTHER CONTROL OF Threaded fittings
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL Scope of the registration, proof tests report, ISO9001 certificate.	ITEMS TO BE REGISTERED:
DECLARATION:	
I Mr. Andreas Strauch  responsibility for the quality of the end product do solemnly declare that the information contained in the my knowledge represents the product for which registration is sought. The dimensions, materials of complete the product for which registration is sought. The dimensions, materials of complete the product for which registration is sought. The dimensions, materials of complete the product for which registration is sought. The dimensions, materials of complete the product of these fittings is regulated by a quality Control Program which extends to each plant where fabrication in part and has been verified to 1905 North America Inc.  as being suitable for the purificulty of the same force and effect a suitable for the purificulty of the same force and effect a suitable for the same force and effect as suitable for the sa	instruction, pressure
This space for Regulatory Authority use	N. of Market
This registration must be revalidated after (en (10) years from the date CRN: OF18455.5  FID#: 15328	Registered OF 18455.50 Date 16 (06/03)
Hotes:  1. All fittings shall be registered in the name of the Manufacturer.  2. Each category shall be supported with two Statutory Oedaration 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.	Registered by UNDER THE AND AND THE PUBLIC SYFETY AND
4 Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	THE BOILER, PRESSURE VESSELAND COMPRESSED AND REAR SERVE THE TOURS

MANUFACTURERS NAME		Prince Edward Island Northwest Territories	NEWFOUNDLAND AND LABRADOR
i	ABB INC.		
		rre-Ardouin, Québec, Québec,	GIP 0B2, CANADA
PLANT LOCATIONS: ID	5	•	
	1 1	ERED. CIRCLE ONE CATEGORY OF	ASME B31.1 and B31.3
B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible			
£ Strainers, filters, separa	itors, and steam traps	rel gauges, sight glasses, levels, or	
G Certified capacity-rated bollers, pressure vosse	is, piping and fusible pluj	treptable as primary over pressure protects s to one of the above categories	tion on
N Nuclear components:	Class 1 Class 2 Ct	co one of the above entergoings ISS 3 (Meeting CNSC of ASME requirem OGO AS IT WILL APPEAR ON THE PRODU	nents)  TYPE OF CONSTRUCTION
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arb 1	_LT100		PORGED SI WILDED I WROUGHT II CAST SI OTHER II DESCRIBE OTHER: Throoded tittings
LIST OF SUPPORTIN	G DOCUMENTATION	AND IDENTIFICATION OF THE AC	TUAL ITEMS TO BE REGISTERED:
my knowledge regresents t	(MA AMP 3) empl	*	
temperature ratings, and it is a fittings is requised of these fittings is requised or in part and has been for ideclaration consciously.  Signature of Disc.  This	he product for which real lentification markings are a by cities control Pro- giction I i de litter An Discourse of the Con- One	plemnly declare their the information contains a sought. The dimensions, mater in accordance with the herein named star gram which extends to each plant where it is a being suitable for the same force and the same force an	ndards. I further declare that the manufacture fabrication occurs in whole r the purpose and I make this solemn
Signature of	the product for which real lendhawan markings are a W. Chill Control Pro- ciple 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	plemptly declare that the information conta stration is sought. The dimensions, mater in accordance with the herein named star gram which extends to each plant where i trica Inc. as being suitable for it knowing that it is of the same force and	ined in this form is true and to the best of fals of construction, pressure address. I further declare that the manufacture fabrication occurs in whole or the purpose and I make this solemn i effect as if made under eath.

NEW BRUNSWICK NUNAVUT

**NOVA SCOTIA** YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES NEWFOUNDLAND AND LABRADOR

TOTAL TENAL ONES				
MANUFACTURERS NAME: ABB INC.				
MANUFACTURERS ADDRESS: 3400 Rue Pierre-Ardouin, Québec, Québec, G1P 0B2, CANADA				
PLANT LOCATIONS: IDEM				
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION			
A Pipe fittings, including couplings, tees, ethows, 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 S 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	ASME B31.1 and B31.3			
N Nuclear components: Class 1  Class 2  Class 3  (Meeting CNSC or ASME requirements)				
ABB LLT100	TYPE OF CONSTRUCTION  FORGED WELDED WROUGHT CAST OTHER CONTROL OTHER CON			
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Scope of the registration, proof tests report, ISO9001 certificate.				
I Mr. Andreas Strauch  (SEA POOL 3) employed by ABB INC.  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 yearing it? I 13GS North America Inc.  as being suitable for the purpose and I make this solemn declaration conscientions, the interest of the same force and effect as if made under oath.				

Signature of Declared be This. Commissione

or Notary Pub

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

CRN: \_OF18455.5

FID#: 15328

#### Notes:

- All fittings shall be registered in the name of the Manufacturer.
   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.



Sect. 1.0 - Fittings Rev. 1 06/2003

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISL NORTHWEST TERRIT		WFOUNDLAND AND LABRADOR
MANUFACTURERS NAME	: ABB INC.			
MANUFACTURERS ADD	RESS: 3400 Rue Pi	erre-Ardouin, Québec, (	Québec, GIP 0	B2, CANADA
PLANT LOCATIONS: ID	EM			
CATEGORY OF FITT	INGS TO BE REGIS	TERED. CIRCLE ONE CATE	GORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
B Flanges: all flanges C Valves: all line valves D Expansion joints, flexib E Strainers, filters, separate Measuring devices, inclipressure transmitters G Certified capacity-rated botlers, pressure vesses H Pressure retaining com N Huclear components:	ie connections, and hose stors, and steam traps uding pressure gauges, if pressure relief devices als, piping and fusible piponents that do not fall Class 1  Class 2  Cl	level gauges, sight glasses, level acceptable as primary over presings into one of the above categories class 3 , Meeting CNSC or ASI	s, or sure protection on 1E requirements)	ASME B31.1 and B31.3
SHOW MANUFACTURERS	NAME, TRADEMARK, OF	LOGO AS IT WILL APPEAR ON	THE PRODUCT	TYPE OF CONSTRUCTION
ABB	_LT100	)		FORGED WELDED WROUGHT CAST OTHER DESCRIBE OTHER: Threaded fittings
Scope of the registra	ation, proof tests re	aport, ISO9001 certificate	•	ITEMS TO BE REGISTERED:
DECLARATION:				
I Mr. Andreas Strauch responsibility for the qualit my knowledge represents temperature ratings, and it	y of the end product do the product for which re dentification markings a dentification markings a dentification to the second of the second o	solemnly declare that the inform gistration is sought. The dimension in accordance with the herein	nation contained in itions, materials of or named standards. Iant where fabricati suitable for the pune force and effect	I further declare that the manufacture on occurs in whole rpose and I make this solemn as If made under oath.
CRN: 0F1845	and the second of the second o		Nuñavut	Pre sels Act
	,		r	CL LIVED .
FID#: <u>15328</u>			- neit	2466 61
Each category shall forms and one copy of a. The declaration shall responsibility for the grand property of the grand property	uality of the end produc grams shall be resubmit	Statutory Declaration lon. In having full authority and t.	Date Jur	e 03, 2016  Miles Pector  Sect 10 Fittings have 1 08/200
			i lerrito	ri.ii ' . gistration Fee