



**INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC SYSTEM FOR  
CERTIFICATION FOR CERTIFICATION TO STANDARDS RELATING TO  
EQUIPMENT FOR USE IN EXPLOSIVE ATMOSPHERES (IECEx SYSTEM)**

**Green paper Document Tabled at  
The Seventeenth Meeting of the ExMC  
Held in Christchurch, New Zealand  
17<sup>th</sup> and 18<sup>th</sup> September 2015**

**Title: Nomination from US Concerning The IECEx Board of Appeal**

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**INTRODUCTION**

This document contains a nomination from the US for a member of the IECEx Board of Appeal and is issued for consideration at the 2015 ExMC Christchurch meeting.

**Visiting address:**

**IECEx Secretariat  
Level 33 Australia Square  
264 George Street  
Sydney NSW 2000  
Australia**

**Contact Details:**

**Tel: +61 2 4628 4690  
Fax: +61 2 4627 5285  
E-mail: [info@iecex.com](mailto:info@iecex.com)  
<http://www.iecex.com>**



Chair: E. Massey  
Vice Chair: P. Kelly  
Treasurer: D. El Tawy  
Past Chair: J. Olson  
Secretary: J. Solis

USNC/IECEX  
c/o NEMA  
1300 North 17<sup>th</sup> St., Ste 1752  
Rosslyn, VA 22209  
Ph: 703/841-3267  
FAX: 703/841-3367

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14 September 2015

Mr Chris Agius  
**Secretary IECEX**  
286 Sussex Street  
Sydney NSW 2000 Australia

**Re:** Nomination of Ms. Sheryl Bihler to the IECEX, *Board of Appeal*

Dear Mr. Agius:

The USNC/IECEX would like to nominate Ms. Sheryl Bihler (ATEC Training & Certificate Services) to the IECEX Board of Appeal, replacing Ms. Patricia Pasemko (Intertek). Ms. Bihler is an instrumental member of the USNC/IECEX and has the interest, willingness, and support to participate on this committee. Her nomination comes with the full support of the USNC/IECEX with the strong belief that she is fully qualified for this assignment as a US expert. We are confident that Ms. Bihler's background in Personal Competency will complement the makeup of the Board of Appeal. We look forward to Ms. Bihler's consideration. Please let me know if you have any questions.

Respectfully,

Joel Solis  
USNC/IECEX Secretary

# SHERYL BIHLER, P.E.

live2blade@gmail.com

19414 Craigchester Lane  
Spring, TX 77388 USA

+1 832-846-2665

## EDUCATION

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1998	Bachelor of Science, Cum Laude Electrical Engineering Colorado State University (Fort Collins, CO)
1990	Master of Science Applied Statistics, emphasis in Operations Research University of Northern Colorado (Greeley, CO)
1989	Bachelor of Arts Mathematics University of Northern Colorado (Greeley, CO)

## EXPERIENCE

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SINCE SEPT 2014	Atec Training and Certification, Inc. <i>Group Technical Authority</i> <ul style="list-style-type: none"><li>■ Provide technical support for Ex inspectors</li><li>■ Develop Ex training materials for end users, inspectors, assemblers, manufacturers including IEC Ex, ATEX, NEC and CEC requirements</li><li>■ Ensure all course materials remain current as requirements and methodologies change</li><li>■ Write and present white papers on Ex topics, worldwide</li><li>■ Act as backup trainer for Ex courses</li></ul>	Houston, TX
2010–2014	Zone Safe Solutions, Inc. <i>Certification Consultant</i> <ul style="list-style-type: none"><li>■ Provide pre-certification assessments for manufacturers against international and regional standards for equipment used in hazardous locations using EN (ATEX) or IEC standards</li><li>■ Develop and deliver workshops and courses for manufacturers of equipment intended for use in potentially explosive areas<ul style="list-style-type: none"><li>■ Standards include NFPA, NEC, CEC, CSA, ANSI/ISA, EN (ATEX), IEC Ex</li></ul></li><li>■ Writing a technical file for equipment entering into the European marketplace, including the Machinery, Pressure Equipment, ATEX, Low Voltage, Electromagnetic Conformity and other related Directives</li></ul>	Houston, TX

## SHERYL BIHLER, P.E.

- Participate as informational member on US standards committee for Equipment Used in Potentially Explosive Areas (ISA SP12) – ANSI/ISA, CEC, NEC

2008–2010

Zone Safe Solutions, Inc.

Reno, NV

*Certification Associate for Sira Test and Certification*

- Complete on-site assessments for equipment installed and used in potentially explosive areas
- Conduct on-site test witnessing services as part of Ex assessment projects
- Develop and deliver workshops on writing a technical file for equipment entering into the European marketplace, including the Machinery, Pressure Equipment, ATEX, Low Voltage, Electromagnetic Conformity and other related Directives
- Participate as a voting member of the US national standards committee for Equipment used in Potentially Explosive Atmospheres (ISA SP12)

2006–2008

Truckee Meadows Community College

Reno, NV

*Math Instructor*

- Fundamentals of College Math including statistics, probability, geometry, trigonometry, finance math
- Pre-calculus emphasizing algebraic and graphical solutions

2003–2008

Bently Nevada LLC, GE Energy

Minden, NV

*Lead Approvals Engineer*

- Responsible for obtaining and maintaining hazardous area certificates for more than 50 products, world-wide
- Developed concise internal design report (OSDP00012) to provide consistent and complete design requirements for all products for use in potentially hazardous areas including ATEX, IEC Ex, NEC and CEC requirements
- Developed standard test procedures to become FM certified lab
- Developed standard certification report format to assist with hazardous area analysis
- Participated as key team member on product design teams
- Liaison between design engineers at Bently Nevada and approvals engineers at agencies
- Designed and conducted training courses for internal engineers relating to hazardous area requirements
- Participated as member of ISA SP12 at the subcommittee level for Zone 2/Div 2 and Intrinsic Safety methods of protection (NEC and CEC)

2001–2003

Western Nevada Community College

Carson City, NV

*Math Instructor*

- Fundamentals of College Math including statistics, probability, geometry, trigonometry, finance math
- Business Math including accounts payable, discounts, finance

# SHERYL BIHLER, P.E.

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1998–2003

Bently Nevada LLC, GE Energy  
*Lead Engineer*

Minden, NV

- Lead electrical designer for new product line
  - Designed 3 of 5 analog interface boards for new product line
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## TECHNICAL COMMITTEE ACTIVITIES

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STP 60079 (formerly ISA 12 and ISA SP12)

- Former informational member at committee level
- Voting member at subcommittee level
  - Ex i\*
  - Gas Detection, combustible

## ASSOCIATIONS

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CompEx EX12 Competency, 2014

IEC Ex Competency, Unit 001 (only assessment available through Sira) since 2011

Certified Functional Safety Expert, 2014

Licensed Electrical Engineer, state of Nevada, since 2004

American National Standards Institute, Company member since 2004

ISA, member since 2004

National Fire Protection Association, member since 2004

Society of Women Engineers, past section president, charter section representative

National Ski Patrol, alumni member