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# Welcome to the Product Compliance Virtual Chapter

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Progress!

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# Welcome to the Product Compliance Virtual Chapter

Intro: Bansi Patel

IEEE PSES Virtual Chapter  
VP of Member Services

Speaker: Heribert Schorn  
Institute for International  
Product Safety GmbH

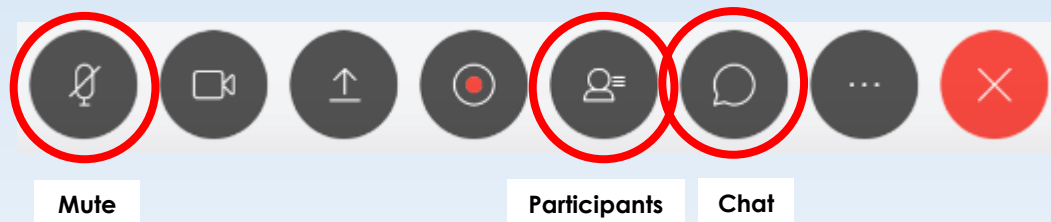


# Agenda

- WebEx Fundamentals
- Chapter Welcome and Overview
  - Meet your Board
- Presentation: Heribert Schorn
  - **Brexit – Impact on Product Safety and Market Access in Europe and UK**
- Upcoming Activities

# Webex Fundamentals

- Participants are muted upon entry into the meeting.
  - Hover over the bottom of the screen to display the WebEx menu.
  - To unmute, click the mic picture in the WebEx menu at the bottom of your screen **OR** next to your name in the participants panel.
- Raise WebEx hand if you want to ask a question.
- Use the chat feature in WebEx menu for questions/comments.
  - The chat feature allows you communicate privately with other participants, just select the name of the person in the dropdown menu.



# Welcome and Overview

## Mission

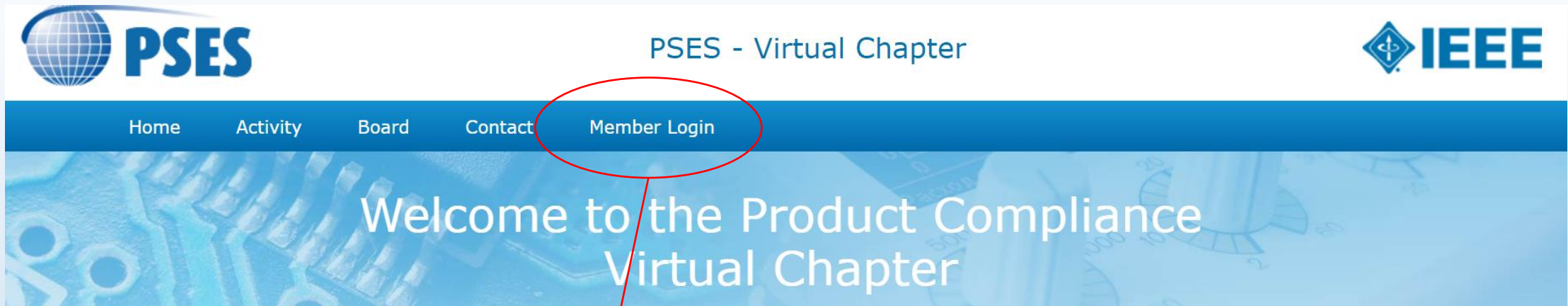
- To enhance professional skills by providing education, networking and leadership opportunities to IEEE PSES members, especially those that do not have local chapters nearby.

## Vision

- Increase involvement among PSES members by providing a forum where they can share, inform, educate and bring value to the engineering community.
- Provide a forum where the compliance community can benefit from the accumulated knowledge of the society.
- Assist local chapters by providing material they can cover when they cannot secure a speaker.

# PSES VC Website

<http://ewh.ieee.org/soc/pses/virtual-chapter/>



The screenshot shows the top navigation bar of the PSES Virtual Chapter website. On the left is the PSES logo, in the center is the text "PSES - Virtual Chapter", and on the right is the IEEE logo. Below these is a dark blue navigation menu with the following items: Home, Activity, Board, Contact, and Member Login. The "Member Login" item is circled in red. Below the navigation bar is a large blue banner with the text "Welcome to the Product Compliance Virtual Chapter". A red arrow points from the "Member Login" link to the "ENTER MEMBERS ONLY SECTION" button in the next block.

[ENTER MEMBERS ONLY SECTION »](#)

This area of the web site contains Virtual Chapter Slides and Presentations and other members only online benefits.

# Executive Board

- Chair: Yike Hu
- Vice Chair: Kati Wenzel
- Secretary: Mariel Acosta-Geraldino
- VP of Member Services: Banshi Patel
- VP of Communications: Samir Sharma
- VP of Technical activities: open
- Webmaster: Jim Douglas

# Getting Involved

- Members of local chapters may join our activities and our chapter.
  - Members of the virtual chapter receive copy of the slides
- There are 4 ways of getting involved, in order of associated workload:
  - 1) Chapter Member - join the live/recorded versions;
  - 2) Presenter - in addition to joining the live presentations, this person would be willing to become a presenter at one of our meetings;
  - 3) Core Team Member - part of the organizing committee; and
  - 4) Executive Board - nominated to the executive board.



# Today's Presentation

- **Speaker:**  
*Heribert Schorn*
- *Institute for International  
Product Safety GmbH*
- **Topic:**  
Brexit – Impact on Product  
Safety and Market Access in  
Europe and UK



# Brexit – Impact on Product Safety and Market Access in Europe and UK

2020 – 09 - 17

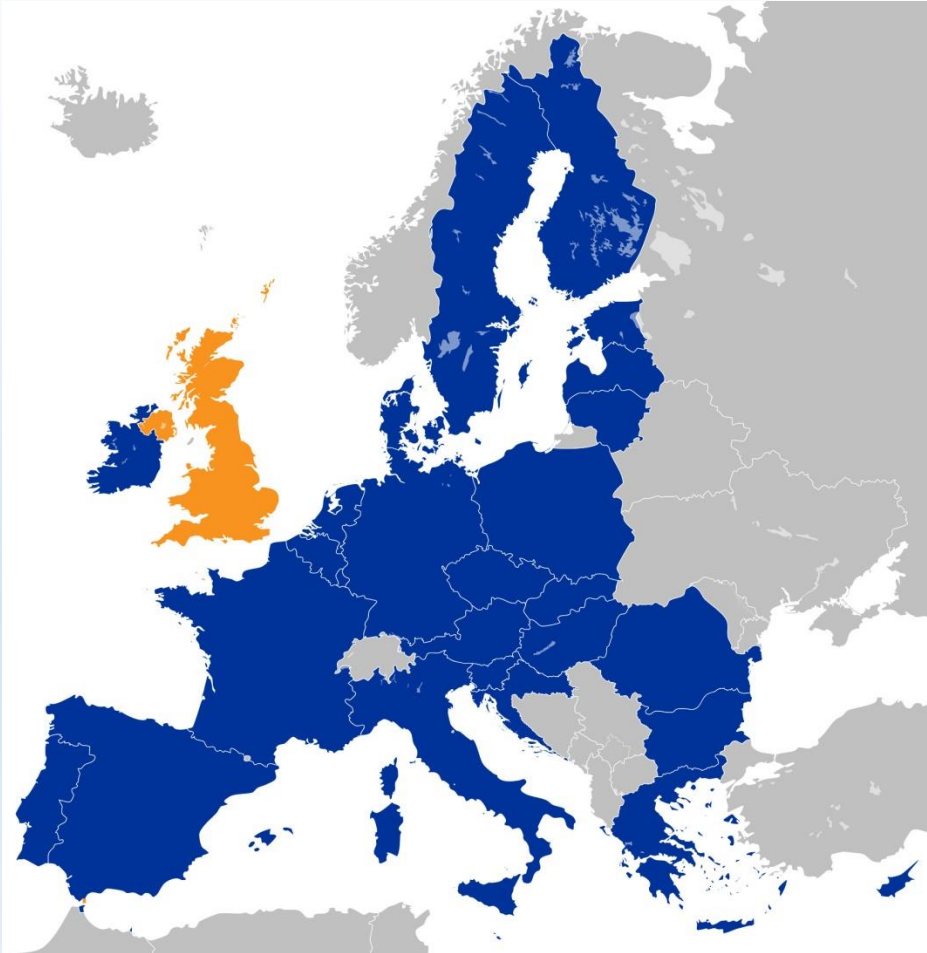
# Disclaimer

- The material presented today represents the status of the topic by September 2020
- BREXIT is under future development, which might change the content of this presentation

# Topics

- Background
- Principles of Market Access
- Impact of Recognition
- Conformity Procedures
- Information to get ready

# Membership of UK in EU



- UK became a member on January 1<sup>st</sup> 1973
- 2016 Referendum to leave EU
- March 29<sup>th</sup> 2017 process started (2-year transition period)
- Membership ended on Jan 31<sup>st</sup> 2020
- Establish agreement about future relationship until Dec. 31<sup>st</sup> 2020
- Special issue is Northern-Ireland

# European Single Market



- The four freedoms
  - Goods
  - Capital
  - Services
  - People
- Key figures
  - 27 EU states. 5 non-EU states
  - ~ 5 M km<sup>2</sup>
  - ~ 515 M population
  - GDP US\$ 20 trillion (2018)

# Principle of Market Access in Europe (I)

- Regulations on market Access
  - CE-marking
  - Declaration of Conformity
  - Market surveillance by Authorities of Member States
  - Responsibilities of manufacturers, representatives, importers and fulfilment center
  - Recognition of laboratories, certification bodies through accreditation (EA)
  - Certification mandatory for products with higher risk
  - Notified bodies appointed by Member States (mutual recognized)
  - Use of Notified bodies if requested by Directive

# Principle of Market Access in Europe (II)

- Directives for Product categories
  - LVD (Low-Voltage-Directive)
  - EMC
  - RED (Radio Equipment Directive)
- Essential safety requirement
- Use of Harmonized European Standards
- Conformity Assessment Procedure
  - Declaration of Conformity (Module A)
  - EU-type examination + surveillance of products/production
- CE-Marking



# Future Relationship EU ↔ UK

Agreements when leaving the European Union

- ***Agreement on the withdrawal of the United Kingdom of Great Britain and Northern Ireland from the European Union and the European Atomic Energy Community (Withdrawal Agreement)***
- ***Protocol on Northern Ireland/Republic of Ireland.***
  - UK comes out of the EU Customs Union as a single customs territory, with Northern Ireland included in any future UK trade deals.
  - Northern Ireland adopts EU Single Market regulations on goods (including the EU VAT) in order to prevent a hard border and remains an entry point into the EU Customs Union → Customs border down the Irish Sea.
  - Exit mechanism for Northern Ireland: the Northern Ireland Assembly will vote every four years on whether to continue with these arrangements
- ***Political declaration on labour standards***
- ***Declaration on Future European Union–United Kingdom Relations***

# Future Relationship EU $\leftrightarrow$ UK

Possible Scenarios for the future relationship:

- Part of Single Market and Customs Union
- Part of the Single Market (e.g. Swiss) with a close agreement
- Special relationship
- Trade Agreement
- No Agreement – WTO would apply → Hard Brexit (No-Deal)
  
- **No on agreement on future relationship so far**

# Impact on Recognition of UK-...

- Accreditation of Conformity Assessment Bodies
  - UKAS (UK Accreditation Body) remains Member of EA at least until end of 2022. Results of laboratories and voluntary certification are still accepted in EU
- Notified Bodies
  - Notification of UK-based Notified Bodies ends on Dec 31<sup>st</sup> 2020
  - Certificates and results can not longer used for market access
  - Transfer of files and ownership to EU-based Notified Bodies possible

# Impact on Standards

- BSI (British Standards Institute) remains Member of CEN/CENELEC at least for two years – further prolongation expected.
  - Further fulfilment of duties as officers
  - Recognition of EU-Standards
  - At least for the first years unchanged
  - Later national deviations expected
- Safety requirements for at least two years the same
  - EU-Directives implemented as national legislation
  - Further deviation possible

# Impact on Product marking (No-Deal)

- CE-marking and DOC unchanged for EU
- UK introduced a new marking: 
- The UKCA (UK Conformity Assessed) marking is a new UK product marking that will be used for goods being placed on the market in Great Britain (England, Wales and Scotland). It covers most goods which previously required the CE marking.
- Authorized representatives or responsible person for goods from EU

# Northern Ireland

- Special Agreement to avoid any border in Ireland
  - Customs
  - People
  - Impact on „Good-Friday-Process“ (Belfast Agreement 1998)
- The UKCA marking cannot be used for goods placed on the Northern Ireland market,
  - Require the CE marking or UK(NI) marking
- Provisional at least until 2024

# Declaration of Conformity

- New Declaration of Conformity necessary (separate)
  - **Reference to UK legislation instead of EU Directives**
    - Essential requirements will be integrated into the occupational health and safety regime
    - Environmental requirements are the ones most likely to be axed
    - UK Safety Rules have to be applied
    - Electrical Equipment (Safety) Regulations (2016)
    - Electromagnetic Compatibility Regulations (2016)
    - Radio Equipment Regulations (2017)
  - **Reference to British standards instead of EU harmonized standards**
    - Practically no impact in the first time
- Layout and content not given so far
  - Blue Guide
  - ISO/IEC 17050-1 and ISO/IEC 17050-2 may apply?

# Impact on Product marking (No-Deal)

- **Good-News:**
- CE marking will continue to be recognised in the UK for the 12 months from 1<sup>st</sup> January 2021 as indicating conformity with UK product regulations and no changes are required to be made either in product marking or the processes to establish conformity
- UKCA marking will become mandatory in Great Britain from 1<sup>st</sup> January 2022
- For the initial 24 months (2021 and 2022) UKCA marking can be applied using a non-permanent method, e.g. by a sticker on the product or a leaflet in the packaging.



# Impact on Product Certification (No-Deal)

- Products which needed a Notified Body must be assessed and certified by an UK-Notified Body

# EU Readiness Papers

- Getting ready for the end of the transition period from the point of EU view
- Notices on several impacted areas: Readiness Notices
  - Overview
  - Importer/Exporter obligations
  - Customs formalities checks and control of goods  
No deal : The same as with U.S
  - Rules of Origin
  - VAT and excise duties
  - Certificates, authorizations, markings or labeling
  - Chemicals (REACH registration not longer valid)

# EU Readiness Papers

- Further
  - (Financial) Services : UK authorizations not longer valid
  - Aviation
  - Road transport operators
  - Professional qualifications
  - Energy
  - Company Law and Civil Law
  - Contracts – jurisdiction clause
  - Data, Digital and Intellectual Property Rights
  - Personal Data (GDPR)

Thank you for your  
attention

[heribert.schorn@ieee.org](mailto:heribert.schorn@ieee.org)

# Volunteering Opportunities

- Different participation levels
  - To become a member, contact our VP of Member Services, Bansip Patel [bansipatel50@gmail.com](mailto:bansipatel50@gmail.com)
  - Interested in becoming a presenter for one of the sessions, or interested in becoming a member of the core team, you may contact: Yike Hu [yhu@exponent.com](mailto:yhu@exponent.com)

# Job Opportunities

## Environmental Compliance Specialist- UNICOM Engineering

Job Description: tracking product regulatory compliance including Restrictions of Hazardous Substances (RoHS) Directives, Registration, Evaluation, & Authorization of Chemicals (REACH), Conflict Minerals, Battery Directives, and Waste Electrical and Electronic Equipment Directive (WEEE) and understand the impact to UNICOM Engineering roadmap platforms & OEM customers platforms.

Location: Plano, TX or Canton, MA

A full job description can be found at

[https://www.unicomengineering.com/files/8315/8281/8316/Environmental\\_Compliance\\_Specialist.pdf](https://www.unicomengineering.com/files/8315/8281/8316/Environmental_Compliance_Specialist.pdf)

Please apply directly to [keisha.russell@unicomengineering.com](mailto:keisha.russell@unicomengineering.com) if interested.

# Job Opportunities

## Product Safety and Compliance Engineer- Graco

Job Description: This position will administer a corporate program of product compliance and assist internal customers in ensuring that Graco products comply with worldwide product safety and compliance regulations.

Location: Minneapolis, MN

Additional information on the position is available on Graco's website:

<https://chj.tbe.taleo.net/chj04/ats/careers/v2/viewRequisition?org=GRAC&cws=45&rid=4198>

# Job Opportunities

## Regulatory Approvals Team Leader - Garmin

requires 10 years' experience. At Garmin HQ in the Kansas City suburbs, apply for a compliance management position that will also allow you to be embedded with product development teams, to incubate design-for-compliance process improvements. The successful candidate will be reporting to an associate director.

<https://careers-us.garmin.com/us/en/job/2000184/Compliance-Engineering-Team-Leader>

Never been to Kansas City? Check out [www.kc.org/work](http://www.kc.org/work)



# Job Opportunities

## Safety and Energy Certification engineer - Microsoft

- This person will have the opportunity to work on all Microsoft consumer product lines including Surface, Xbox and HoloLens. Please see the job postings for details on the responsibilities.
- <https://careers.microsoft.com/us/en/job/897312/Safety-Energy-Compliance-Engineer>
- <https://www.linkedin.com/jobs/view/2011579672/>

# Job Opportunities

- Do you have job opportunities you would like us to advertise?
  - Yike Hu ([yhu@exponent.com](mailto:yhu@exponent.com))

# Upcoming Activities

- Next Core Team Meeting: Thursday, October 8th, 2020

Members get bcc in the distribution of the agenda, so you can join if interested.

- Upcoming Presentation Schedule:
  - October 15<sup>th</sup> : OSHA (Occupational Safety and Health Administration) presented by Kevin Robinson
  - November & December no presentations for these months
  - We will resume January 2021 with more topics

# Possible topics for future presentation

- Energy Storage Systems Compliance Requirements with a Focus on Battery Management Systems
- Robust Multi-cell Rechargeable Battery Sub-System for Medical Device
- Risk Assessment for LVD, EMC and RED Directives
- Basic Product Safety for Electronic Products
- Wireless Power Transfer Fundamentals
- Lithium-ion Cell Failure Mechanisms and Mitigation Strategies
- Mobil Devices for Hazardous Locations

# Possible topics for future presentation (continued)

- New regulations of China CCC, SDoC and RoHS
- North American and IEC Standards: A Comparison in the Approach to Safety of Energy Storage Systems
- MEXICO Safety Regulatory Updates NOM-001, NOM-019 and New Testing Requirements
- Getting Started with Cybersecurity - How Manufacturers Can Approach Emerging Requirements
- Managing Product Safety Knowledge
- Brexit update

# Professional Development and Feedback

- Let us know what you thought about the meeting!
  - What topics would you like to see covered ?
  - What are your suggestions for improvement?
- Do you need PH?
  - We can send you a certificate of participation for 1H
- Please contact our Chapter Secretary, Mariel Acosta:  
[mariel@us.ibm.com](mailto:mariel@us.ibm.com)

# Thank you!

**Moderator: Bansi Patel**

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VP of Member Services (Virtual Chapter)

Board of Governors-at-large PSES (Product Safety Engineering Society)