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## US Technical Advisory Group (TAG) to TC 192 February 9, 2016 Teleconference at 3 PM EST Meeting Minutes

Join by Phone: (877) 781-2763 or (212) 591-8890

Conference ID: 302505

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- 1.0 Call to Order  
The meeting was called to order at 3:03 PM EST.
- 2.0 Review of Membership

Name	Membership Status	Organization	Interest
Present			
Jennifer Kitchen	Chair	GE	AK
Eric Kaufman	Vice Chair	GE	AK
Lauren Powers	TAG Administrator	ASME	
George Langton	Member	UL	AQ
Jagadish Nanjappa	Member	GE	AK
Steven Rose	Member	NRG Energy	AW
Raymond Stanko	Member	UL	AQ
Michael Wilkinson	Member	American Electric Power	AW
Absent			
Jay Johnson	Member	GE	AK
Robert Steele	Member	Strategic Power Systems	AB
Ronald Turner	Member	Solar Turbines	AK
John M. Vaught	Member	Retired	AW
Justin Zachary	Member	Samsung	AK
Michael Giampetro	Member	Leidos	AQ
Andrew Rodwell	Alt. to Kaufman	GE	AK

Guests Present: Bret Dalton ([bret.dalton@ge.com](mailto:bret.dalton@ge.com)) and Michael Anthony ([maanthon@umich.edu](mailto:maanthon@umich.edu)).

- 3.0 TAG Recommendations to ANSI and the TC
  - o George Langton be considered a candidate for Chair of the ISO/TC 192
  - o George Langton be considered a candidate for Convener of WG 10
  - o TC 192 consolidate with TC 199Lauren Powers and Jennifer Kitchen will follow-up with ANSI.

4.0 EU Harmonization of ISO 21789 Update

**Functional Safety:**

- US position-NOT make FS standards mandatory, allow alternative approaches that are not direct FS concepts
- Draft Standard allows for either FS standards OR another approach as Mfg. wants to do; contains some basic concepts like setting safety target level, meet tolerable risk levels, validate, document, etc.

**Use of the term 'Tolerable Risk'**

- US position to keep tolerable risk as it ties to the quantitative risk values stated in 21789
- Concept of tolerable risk will still be used and officially defined in Definitions. Rewriting risk assessment section to be more generic and reference Annex C which contains tolerable risk levels

**Risk Assessment:**

- US position has been to ensure a risk assessment is conducted per ISO/EN 12100 for the MD and allow the Mfg. to assess and mitigate their risks. Feel it's impossible to anticipate and list every eventuality and it's the Mfg. responsibility to know their equipment/systems. Want to keep the Tolerable Risk levels that were in the original 21789 as mandatory which is the only numeric value a mfg. validate that they have met a level of safety.
- just starting, 12100 based-- simplifying the section and referring to Annex C for tolerable levels

**Validation:**

- US is concerned that the European Regulators/Customers/NoBos in the future will interpret that a Notified Body will have to do the validation in order to be satisfied that a Mfg. is good. This could force unnecessary cost/burden on Mfg's in the future.
- not started yet

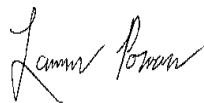
5.0 Other Updates

There are no other WG activities to report and there is no update on the TC Chair or a scheduled TC meeting.

6.0 Called to a Close

The meeting was called to a close at 3:40 PM EST.

Respectfully Submitted,



Lauren Powers  
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