

Session 8 – Product Approvals IEC vs. NA



- *Acceptable To The Authority Having Jurisdiction*
 - *Canada - Certified to a CSA Standard (also IECEx standards are acceptable)*
 - *Europe - Approved By Accredited Testing Agency To CENELEC Standards*

- *Now Includes ATEX Directives With  Marking*

- *Marked "EEx" *

- *IEC - Approved By Accredited Testing Agency To IECEx Standards*







Product Approval

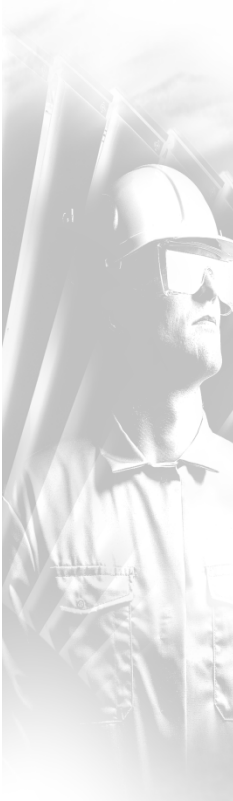


- *Approval To IEC Standards*
 - *IEC Does Not Have Testing (At This Time...) with exception of IECEx*
 - *Many Countries “Adopt” IEC Standards*
 - *May Include “National Deviations”*
 - *Tested To An Adopted Standard & Marked With “Ex”*
 - *Manufacturers May Declare as “Complying With IEC Standards”*
 - *This Is Not an Approval*
 - *Some Products Don’t Require Approval*
 - *May find type-testing or other testing for certain IEC products such as Motor Controls & Switchgear*



How Do Product Approvals Compare?

<i>Product Approval Requirements</i>			
 CEC	 NEC	 CENELEC	 IEC
<p><i>Must Be Tested & Approved To CSA Standard By Accredited Testing Agency</i></p>	<p><i>Zone Products Must Be "Listed" to ANSI Std.</i></p> <p><i>Division Products Acceptable In Zones</i></p> <p><i>UL, FM, CSA</i></p>	<p><i>Must Be Tested To EN Std. By Accredited Testing Agency ATEX 7/1/2003</i></p>	<p><i>Through Country ACB</i></p> <p><i>Little or no country deviation</i></p>



- *Criteria for Evaluating or Testing Products By an Accredited Certification Organization*
 - *USA*
 - *ANSI Are The National Standards*
 - *UL, FM, ISA, MSHA, Coast Guard... Write Standards*
 - *May Not Be ANSI Standards*
 - *Canada*
 - *Canadian Standards Association - CSA*
 - *Fire Alarms by Underwriters Laboratories Canada Ltd.*
 - *Internationally*
 - *CEN, CENELEC, IEC and various Country specific standards*

