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**Changes in IEC 61511 2<sup>nd</sup> Edition**

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**Abstract**

The ISA (International Society of Automation) 84 standard (“Application of Safety Instrumented Systems for the Process Industries”) was first released in 1996. During the time of the development of ISA 84, the IEC (International Electrotechnical Commission) was working on the 61511 standard (“Functional Safety: Safety Instrumented Systems for the Process Industry Sector”). IEC 61511 was first released in 2003. ISA adopted the 61511 standard, with one additional clause, as ISA 84-2004. The IEC released a second edition of 61511 in 2016, followed shortly thereafter with a corrigendum (list of corrections) and an amendment that were finalized in 2017. The ISA 84 committee voted to accept the revised standard without modifications, and released it in mid-2018 as ISA 61511-2018. This presentation will summarize the changes in the new standard.