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- London, Dec 2008 PART I
SIS 101 : The Basics of
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~~International Standards~~ What
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~~System? Safety Integrity~~
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~~- PART III IEC 61511 and~~

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~~Lifecycle overview~~
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IEC61511, IEC61508)

Functional Safety for Safety
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~~Justification — 61508 vs.~~

~~Proven In Use~~ **Iec 61511 2 Ed
10**

IEC 61511-2:2016 provides

guidance on the
specification, design,
installation, operation and

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Maintenance of SIFs and related SIS as defined in IEC 61511-1:2016. This second edition cancels and replaces the first edition published in 2003. This edition constitutes a technical revision. This

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edition includes the

following significant

technical changes with

respect to the previous

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... This paper presents some of the changes in "IEC 61511 - Functional safety - safety instrumented system guidelines for the process industry sector", edition 2. It is based on the FDIS version of the

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standard, and it is the author's interpretation of some of the changes. Note that there may be new or different changes in the final

Changes in IEC 61511 edition

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2 – ABB Functional Safety Safety

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STANDARDS PDATE WHITE PAPER

3 – IEC 61511 – part 1

changes Management of Guidelines

functional safety The second
edition requires a formal

procedure to be in place to

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manage the competence of all those involved within the safety instrumented system (SIS) lifecycle. Such competency assessment process shall be documented.

WHITE PAPER Functional

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safety update IEC 61511

edition 2

In the early 2000's the ISA
84 committee felt that the
more recent 61511 standard
was a considerable
improvement compared to its
original work, and the

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committee agreed to adopt 61511 as the 2nd edition of ISA 84. The only change was the addition of the

“grandfather clause” (1.y)

which comes from a US regulation. ISA 84 (IEC

61511 mod) 2nd edition was

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released in 2004. It has been over 10 years since the first release of IEC 61511.

That committee has worked diligently to create a 2nd

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Upcoming Changes in IEC

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61511 2nd Edition

IEC 61511 Edition 2 Update.

2 Chapters 6 Topics An

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instrumented system standard

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ANSI/ISA-61511, Europe: EN

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61511, UK: BS EN 61511, has been revised and updated in several areas, and as of the end of 2017 the old standard is now fully replaced. Learn about the major changes ...

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**IEC 61511 Edition 2 Update -
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IEC 61511 is a process industry derivative of IEC 61508, a risk based standard, which utilises the concept of an Electrical/Electronic/Programmable

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Electronic based control system in order to implement autonomous means of risk reduction, against a pre-defined unwanted hazardous deviation in a process.

The long awaited IEC 61511

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**edition 2 and what it means
for**

implementation of IEC 61508,
the so-called mother

standard. IEC 61511 is the

leading standard for our

clients, the process plant

owners / operators, and for

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suppliers of Safety Instrumented Systems like our company Yokogawa . In the beginning of 2016 a new version of the IEC 61511 standard was released. It is called "Edition-2".

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Changes in IEC 61511 Ed 2 -

Yokogawa

IEC 61511-2 Edition 1.0

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STANDARD NORME Guidelines

INTERNATIONALE Functional
safety - Safety instrumented
systems for the process

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Sécurité fonctionnelle -

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STANDARD NORME
INTERNATIONALE

This Consolidated version of
IEC 61511-1 bears the
edition number 2.1. It
consists of the second
edition (-02) [documents
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65A/78465A/RVD], its
corrigendum 1 (201609) and
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[documents 65A/844/FDIS and
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content is identical to the
base edition and its
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IEC TR 61511-4:2020 is a formal rationale provided by IEC technical committee 65 explaining the changes. The main driver for 61511 Ed. 2 revision was to reinforce

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the necessity of Functional Safety Management based on a Safety Life Cycle approach. Parallel, a number of potential misinterpretations from Ed. 1 were clarified.

IEC TR 61511-4 explains the

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changes between IEC 61511-1

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- part 1: terminology and
basic ...

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... Sector Part 2 Guidelines

IEC 61511-2:2016 is

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61511-2:2016 RLV which

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contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition. IEC 61511-2:2016 provides guidance on the specification, design,

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Installation, operation and
maintenance of SIFs and
related SIS as defined in
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3.2 IEC 61508-2 Safety Safety

Recommendations It is important that clients realise the need for evidence of all reviews, verifications, competence, etc. We recommend the effective use of document

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templates to embed guidance and record decisions such as the selection of the relevant techniques and methods described in the supporting tables of IEC 61508-2.

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