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What's changed in **Machinery Safebook 5**

Machinery Safebook 5 is the definitive guide to safety-related control systems for machinery, incorporating relevant standards and regulations. It is an invaluable reference tool for anyone needing to understand the landscape and principles of the functional safety of machinery.



Functional safety is driven by both technology and standards, both of which evolve. Machinery Safebook 5 reflects these changes, providing a reliable reference to current practice.

Changes since the last edition include:

Risk estimation changes	ISO TR 14121-2 (and others) display quantification scales and charts, offering plenty of choice. Safebook was one of the first documents to show quantification scales and charts, but didn't ever claim to be 'official'. The scales and charts have been removed in Machinery Safebook 5, allowing readers to select the approach they need from official published guides and standards.
Risk graph	The 'Probability of occurrence of a hazardous event' has been introduced, providing the possibility for decreasing the PLr by one level in some circumstances, depending on the foreseeable probability of occurrence.
Subsystems	More description on subsystems is included to help readers understand (EN) ISO 13849-1 from the perspective of IFA's SISTEMA Performance Level Calculator.
System configuration examples	Several wiring/system examples used for older technology have been updated to include state-of-the-art equipment. It also considers new and changed standards.
Application example	The application example used in Safebook 4 has been replaced with a clearer example, taken from one of many Pre-engineered Machinery Safety Functions that Rockwell Automation produces and makes available to anyone wishing to download them.
Products, technologies and tools	A new section outlining products for use in machinery safety has been included, which also looks at the products from a technology viewpoint. There is also a section on engineering software and guidance tools to help people streamline their machinery safety projects.

For more information visit:

www.machinesafetysolutions.com

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