

# ISO 25119-2:2010-05 (E)

## Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 2: Concept phase

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Abbreviated terms .....	1
5	Concept -- Unit of observation .....	3
5.1	Objectives .....	3
5.2	Prerequisites .....	3
5.3	Requirements .....	3
5.4	Work products .....	4
6	Risk analysis and method description .....	4
6.1	Objectives .....	4
6.2	Prerequisites .....	4
6.3	Requirements .....	5
6.4	Work products .....	8
7	System design .....	8
7.1	Objectives .....	8
7.2	Prerequisites .....	8
7.3	Requirements .....	8
7.4	Work products .....	10
Annex A (normative) Designated architectures for SRP/CS .....		11
Annex B (informative) Simplified method to estimate channel MTTFdC .....		17
Annex C (informative) Determination of diagnostic coverage (DC) .....		20
Annex D (informative) Estimates for common-cause failure (CCF) .....		24
Annex E (informative) Systematic failure .....		26
Annex F (informative) Characteristics of safety functions .....		29
Annex G (informative) Example of a risk analysis .....		32
Bibliography .....		37