

# ISO 16117:2013-10 (E)

## Nuclear criticality safety - Estimation of the number of fissions of a postulated criticality accident

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Terms and definitions .....	1
3	General principles .....	2
4	Fissions number estimate .....	3
4.1	General .....	3
4.2	Input data .....	3
4.3	Use of simplified models .....	3
4.4	Use of calculation tools .....	4
Annex A (informative) Flow diagram of a criticality accident analysis(from ISO 27467:2009) .....		5
Annex B (informative) Characteristics of criticality accidents that occurred during process operation .....		7
Annex C (informative) Experimental results .....		12
Annex D (informative) Simplified formulae .....		18
Bibliography .....		24