ISO/IEC/IEEE 15026-3:2023-10 (E)

Systems and software engineering - Systems and software assurance - Part 3: System integrity levels

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Defining integrity levels ... **3**
4.1 Users of this clause ... 3
4.2 Appropriate area to define integrity levels ... 3
4.3 Specifying context of integrity levels ... 4
4.3.1 Specifying system-related information ... 4
4.3.2 Specifying risk-related information ... 4
4.4 Specifying integrity level claim and integrity levels ... 5
4.4.1 Key concepts ... 5
4.4.2 Specifying an integrity level claim ... 6
4.4.3 Specifying a set of integrity levels ... 7
4.5 Specifying integrity level requirements ... 8
4.5.1 Specifying a set of integrity level requirements ... 8
4.5.2 Specifying the justification between integrity levels and their integrity level requirements ... 8
4.6 Specifying the integrity level determination process ... 9

5 Using integrity levels ... **9**
5.1 Users of this clause ... 9
5.2 Purpose for using integrity levels ... 10
5.3 Outcomes of using integrity levels ... 10

6 System integrity level determination ... **11**
6.1 General ... 11
6.2 Purpose of the system integrity level determination process ... 11
6.3 Outcome of the system integrity level determination process ... 12
6.4 Activities of the system integrity level determination process ... 12

7 Assigning system element integrity levels ... **13**
7.1 Purpose of the assigning system element integrity levels process ... 13
7.2 Outcome of the assigning system element integrity levels process ... 13
7.3 Activities of the assigning system element integrity levels process ... 13

8 Meeting integrity level requirements ... **14**
8.1 General ... 14
8.2 Purpose of meeting integrity level requirements ... 14
8.3 Outcome of meeting integrity level requirements ... 14
8.4 Activities of meeting integrity level requirements ... 14

9 Agreement and approval authorities ... **16**

Annex A (informative) **An example of use of ISO/IEC/IEEE 15026-3** ... **17**

Bibliography ... **21**

IEEE notices and abstract ... **22**