ISO/IEC/IEEE 24748-5:2017-06 (E)

Systems and software engineering - Life cycle management - Part 5: Software development planning

Contents

Page

1 Scope 1
2 Normative references 1
3 Terms, definitions and abbreviated terms 1
4 Abbreviations 5
5 Conformance 5
5.1 General 5
5.2 Intended usage 6
5.3 Conformance to processes 6
5.4 Conformance to information item content 6
5.5 Full conformance 6
5.6 Tailored conformance 7
6 Concepts 7
6.1 General 7
6.2 System concepts 7
6.3 Life cycle concepts 7
6.4 Process concepts 8
6.5 Project concepts 8
6.6 Information item concepts 8
6.6.1 General 8
6.6.2 Concept of Plans 9
6.6.3 Software development plans 9
6.7 Management concepts 10
6.7.1 General 10
6.7.2 Project management 10
6.7.3 Technical management 10
6.8 Software development model concepts 10
6.8.1 General 10
6.8.2 Once-Through software development model 11
6.8.3 Evolutionary software development model 11
6.8.4 Incremental software development model 11
7 Software life cycle processes and software development planning 12
7.1 General 12
7.2 Agreement processes 12
7.3 Organizational project-enabling processes 12
7.4 Technical management processes 13
7.5 Technical processes 13
8 Software development planning 13
9 Process Execution 14
9.1 Overview 14
9.2 Project planning process 14

9.2.1 General 14
9.2.2 Responsibility for planning 14
9.2.3 Project scope 15
9.2.4 Work Breakdown Structure 16
9.2.5 Project estimation 16
9.2.6 Relationship management 18
9.2.7 Risk Management 19
9.2.8 Configuration management 19
9.2.9 Information management 19
9.2.10 Quality Assurance 19
9.3 Project and software measurement 19
9.3.1 Measurement overview 19
9.3.2 Project measures 20
9.3.3 Software measures 20
9.4 Project assessment and control 21
9.4.1 Overview 21
9.4.2 General guidance 21
9.4.3 Project assessment and control process 23
9.5 Decision management 25
10 Information items: Technical plans 26
10.1 Software Development Plan related to other plans 26
10.2 Content of the Software Development Plan 27
10.2.1 Content Overview 27
10.2.2 Detailed content of the SDP 27
Annex A (informative) Generic content for a plan 30
Annex B (informative) Sample Software Development Plan outline 31
Annex C (informative) Application of related standards 35
Bibliography 37