

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

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

---

<b>Contents</b>		<b>Page</b>
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