

ISO/IEC/IEEE 42010:2011-12 (E)

Systems and software engineering - Architecture description

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Conformance	1
3	Terms and definitions	1
4	Conceptual foundations	3
4.1	Introduction	3
4.2	Conceptual model of architecture description	3
4.3	Architecting in the life cycle	8
4.4	Uses of architecture descriptions	8
4.5	Architecture frameworks and architecture description languages	9
5	Architecture descriptions	11
5.1	Introduction	11
5.2	Architecture description identification and overview	12
5.3	Identification of stakeholders and concerns	12
5.4	Architecture viewpoints	13
5.5	Architecture views	13
5.6	Architecture models	13
5.7	Architecture relations	14
5.8	Architecture rationale	15
6	Architecture frameworks and architecture description languages	16
6.1	Architecture frameworks	16
6.2	Adherence of an architecture description to an architecture framework	17
6.3	Architecture description languages	17
7	Architecture viewpoints	17
Annex A (informative) Notes on terms and concepts		19
Annex B (informative) Guide to architecture viewpoints		27
Annex C (informative) Relationship to other standards		31
Bibliography		35