

ISO/IEC 18384-1:2016-06 (E)

Information technology - Reference Architecture for Service Oriented Architecture (SOA RA) - Part 1: Terminology and concepts for SOA

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Terms and definitions	1
3	Abbreviated terms	8
4	Notations	9
4.1	General	9
4.2	UML	9
4.3	Entity Relationship	9
4.4	Cycles	9
4.5	Flows	9
5	Conventions	10
6	Conformance	10
7	SOA Concepts	10
7.1	Introduction to SOA	10
7.2	Concepts	11
7.2.1	Roles	11
7.2.2	Services	14
7.2.3	Semantics	15
7.2.4	Tasks and Activities	15
7.2.5	Compositions and Processes	15
7.2.6	Service Registration and Discovery	18
7.2.7	Service Description, Interfaces, Policies and Contracts	19
7.2.8	Service and SOA solution lifecycle	23
7.2.9	Loosely coupled	27
7.3	Cross Cutting Concerns	27
7.3.1	Defining Cross Cutting	27
7.3.2	Integration	27
7.3.3	Cross Domain interaction	27
7.3.4	Service Integration	28
7.3.5	Management and Security	29
7.3.6	SOA Solution Governance	32
8	SOA Architectural Principles	33
8.1	Architectural Principles defined	33
8.2	Interoperable -- Syntactic, semantic	33
8.3	Described	34
8.4	Reusable	35
8.5	Discoverable	36
8.6	Late Bind-able	37
8.7	Composable	37
8.8	Self-Contained	38
8.9	Loosely coupled	38

8.10	Manageable	39
	Annex A (informative) SOA Governance Framework	40
	Annex B (informative) Management and Security Concerns	44
	Bibliography	50