

ISO 29481-2:2025-12 (E)

Building information models - Information delivery manual - Part 2: Interaction framework

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
3.1	General	2
3.2	Technical components	2
4	Notation	2
5	Interaction framework	3
5.1	General	3
5.2	Information management and the interaction framework	3
5.3	Purpose of an interaction framework	5
5.4	Hierarchical structure of an interaction framework	5
5.4.1	General	5
5.4.2	Roles	6
5.4.3	Transactions	7
5.4.4	Messages	8
5.4.5	Complex and simple elements	10
5.5	Establishing a digital IDM communication project	10
5.5.1	General	10
5.5.2	Modelling the interaction framework	11
5.5.3	Creating and using the interaction framework schema	11
5.5.4	Using a project specific message to link a person to roles	12
5.5.5	Executing digital IDM communication	12
5.5.6	Validating digital IDM communication	13
5.5.7	Signing messages with advanced electronic signatures	13
5.5.8	Changing the project during execution	14
5.5.9	Archiving digital IDM communication	14
6	Schemas for validating interaction frameworks and messages	15
6.1	Basic principles	15
6.2	Types of elements	16
6.3	Element types in the interaction framework schema and _2 EXPRESS source file	17
6.3.1	General	17
6.3.2	Primary element types	18
6.3.3	Secondary element types	28
6.3.4	References	31
6.4	Element types in the interaction message schema and the _5 EXPRESS source file	37
6.4.1	General	37
6.4.2	Primary element types	38
6.4.3	Secondary element types	43
6.4.4	References	45
Annex A (normative)	Interaction framework schema definition	51

Annex B (normative) Templates definition	52
Annex C (informative) Promotor algorithm	53
Annex D (informative) Example interaction framework XML of a simplified design office use case	54
Annex E (informative) Example project specific message XML of a simplified design office use case	67
Annex F (informative) Example message XML of a simplified design office use case	72