

ISO 20022-4:2026-04 (E)

Financial services - Universal financial industry message scheme - Part 4: XML Schema generation

Contents		Page
Foreword.....		v
Introduction.....		vii
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Background		1
5 ISO 20022 transformation rules for MessageSet		2
5.1 Preconditions.....		2
5.2 Transformation constraints.....		2
5.2.1 General.....		2
5.2.2 Bare Schema without annotation.....		3
5.2.3 Full Schema with annotation.....		3
5.3 Namespaces.....		6
5.4 Granularity of schemas.....		7
6 XML MessageInstances		7
6.1 Encoding.....		7
6.2 DOCTYPE.....		7
6.3 Default namespace.....		7
6.4 SchemaLocation.....		7
6.5 Abbreviated names.....		7
6.6 Completeness.....		7
7 Method		7
8 Logical Classes		8
8.1 MessageSet.....		8
8.2 MessageDefinition.....		8
8.3 MessageDefinitionIdentifier.....		9
8.4 MessageBuildingBlock.....		10
8.5 MessageComponentType.....		10
8.5.1 General.....		10
8.5.2 ExternalSchema.....		10
8.5.3 MessageComponent.....		11
8.5.4 ChoiceComponent.....		11
8.6 MessageElement.....		12
8.6.1 General.....		12
8.6.2 MessageAttribute.....		12
8.6.3 MessageAssociationEnd where aggregation is composite.....		12
8.6.4 MessageAssociationEnd where aggregation is none or shared.....		12
9 User-defined data types		13
9.1 General.....		13
9.2 Link data types.....		14
9.2.1 Pointer.....		14
9.3 Boolean data types.....		15
9.3.1 Boolean.....		15
9.3.2 Indicator.....		15
9.4 Sequence data types.....		15
9.4.1 Binary.....		15

9.4.2	String	16
9.4.3	Text	16
9.4.4	CodeSet	17
9.4.5	IdentifierSet	18
9.5	Numeric data types	18
9.5.1	Decimal	18
9.5.2	Quantity	19
9.5.3	Rate	19
9.5.4	Amount	20
9.6	Temporal data types	21
9.6.1	DateTime	21
9.6.2	Date	21
9.6.3	Time	21
9.6.4	Year	22
9.6.5	Month	22
9.6.6	Day	22
9.6.7	YearMonth	23
9.6.8	MonthDay	23
9.6.9	Duration	23
Annex A (informative) Generation rule summary		24
Bibliography		28