

Contents		Page
Foreword .....		ix
Introduction .....		x
1 Scope .....	1	
2 Normative references .....	3	
2.1 ISO and IEC standards .....	3	
3 Definitions, notations, and conventions .....	5	
3.1 Conventions .....	5	
4 Concepts .....	7	
4.1 Introduction to the Definition Schema .....	7	
4.2 Introduction to the Information Schema .....	8	
5 Information Schema .....	9	
5.1 INFORMATION_SCHEMA Schema .....	9	
5.2 INFORMATION_SCHEMA_CATALOG_NAME base table .....	10	
5.3 CARDINAL_NUMBER domain .....	11	
5.4 CHARACTER_DATA domain .....	12	
5.5 SQL_IDENTIFIER domain .....	13	
5.6 TIME_STAMP domain .....	14	
5.7 YES_OR_NO domain .....	15	
5.8 ADMINISTRABLE_ROLE_AUTHORIZATIONS view .....	16	
5.9 APPLICABLE_ROLES view .....	17	
5.10 ASSERTIONS view .....	18	
5.11 ATTRIBUTES view .....	19	
5.12 CHARACTER_SETS view .....	21	
5.13 CHECK_CONSTRAINT_ROUTINE_USAGE view .....	22	
5.14 CHECK_CONSTRAINTS view .....	23	
5.15 COLLATIONS view .....	24	
5.16 COLLATION_CHARACTER_SET_APPLICABILITY view .....	25	
5.17 COLUMN_COLUMN_USAGE view .....	26	
5.18 COLUMN_DOMAIN_USAGE view .....	27	
5.19 COLUMN_PRIVILEGES view .....	28	
5.20 COLUMN_UDT_USAGE view .....	29	
5.21 COLUMNS view .....	30	
5.22 CONSTRAINT_COLUMN_USAGE view .....	33	
5.23 CONSTRAINT_TABLE_USAGE view .....	35	
5.24 DATA_TYPE_PRIVILEGES view .....	37	
5.25 DIRECT_SUPERTABLES view .....	39	
5.26 DIRECT_SUPERTYPES view .....	40	
5.27 DOMAIN_CONSTRAINTS view .....	41	
5.28 DOMAINS view .....	42	
5.29 ELEMENT_TYPES view .....	44	
5.30 ENABLED_ROLES view .....	45	
5.31 FIELDS view .....	46	
5.32 KEY_COLUMN_USAGE view .....	48	
5.33 METHOD_SPECIFICATION_PARAMETERS view .....	50	
5.34 METHOD_SPECIFICATIONS view .....	52	
5.35 PARAMETERS view .....	55	

5.36	REFERENCED_TYPES view .....	57
5.37	REFERENTIAL_CONSTRAINTS view .....	58
5.38	ROLE_COLUMN_GRANTS view .....	59
5.39	ROLE_ROUTINE_GRANTS view .....	60
5.40	ROLE_TABLE_GRANTS view .....	61
5.41	ROLE_TABLE_METHOD_GRANTS view .....	62
5.42	ROLE_USAGE_GRANTS view .....	63
5.43	ROLE_UDT_GRANTS view .....	64
5.44	ROUTINE_COLUMN_USAGE view .....	65
5.45	ROUTINE_PRIVILEGES view .....	66
5.46	ROUTINE_ROUTINE_USAGE view .....	67
5.47	ROUTINE_SEQUENCE_USAGE view .....	68
5.48	ROUTINE_TABLE_USAGE view .....	69
5.49	ROUTINES view .....	70
5.50	SCHEMATA view .....	73
5.51	SEQUENCES view .....	74
5.52	SQL_FEATURES view .....	75
5.53	SQL_IMPLEMENTATION_INFO view .....	76
5.54	SQL_PACKAGES view .....	77
5.55	SQL_PARTS view .....	78
5.56	SQL_SIZING view .....	79
5.57	SQL_SIZING_PROFILES view .....	80
5.58	TABLE_CONSTRAINTS view .....	81
5.59	TABLE_METHOD_PRIVILEGES view .....	82
5.60	TABLE_PRIVILEGES view .....	83
5.61	TABLES view .....	84
5.62	TRANSFORMS view .....	85
5.63	TRANSLATIONS view .....	86
5.64	TRIGGERED_UPDATE_COLUMNS view .....	87
5.65	TRIGGER_COLUMN_USAGE view .....	88
5.66	TRIGGER_ROUTINE_USAGE view .....	89
5.67	TRIGGER_SEQUENCE_USAGE view .....	90
5.68	TRIGGER_TABLE_USAGE view .....	91
5.69	TRIGGERS view .....	92
5.70	UDT_PRIVILEGES view .....	94
5.71	USAGE_PRIVILEGES view .....	95
5.72	USER_DEFINED_TYPES view .....	96
5.73	VIEW_COLUMN_USAGE view .....	98
5.74	VIEW_ROUTINE_USAGE view .....	99
5.75	VIEW_TABLE_USAGE view .....	100
5.76	VIEWS view .....	101
5.77	Short name views .....	102
6	Definition Schema .....	121
6.1	DEFINITION_SCHEMA Schema .....	121
6.2	EQUAL_KEY_DEGREES assertion .....	122
6.3	KEY_DEGREE_GREATER_THAN_OR_EQUAL_TO_1 assertion .....	123
6.4	UNIQUE_CONSTRAINT_NAME assertion .....	124
6.5	ASSERTIONS base table .....	125
6.6	ATTRIBUTES base table .....	127
6.7	AUTHORIZATIONS base table .....	129
6.8	CATALOG_NAME base table .....	130
6.9	CHARACTER_ENCODING_FORMS base table .....	131
6.10	CHARACTER_REPERTOIRES base table .....	132
6.11	CHARACTER_SETS base table .....	133
6.12	CHECK_COLUMN_USAGE base table .....	135
6.13	CHECK_CONSTRAINT_ROUTINE_USAGE base table .....	136
6.14	CHECK_CONSTRAINTS base table .....	137
6.15	CHECK_TABLE_USAGE base table .....	138
6.16	COLLATIONS base table .....	139
6.17	COLLATION_CHARACTER_SET_APPLICABILITY base table .....	140
6.18	COLUMN_COLUMN_USAGE base table .....	141

6.19	COLUMN_PRIVILEGES base table .....	142
6.20	COLUMNS base table .....	144
6.21	DATA_TYPE_DESCRIPTOR base table .....	149
6.22	DIRECT_SUPERTABLES base table .....	159
6.23	DIRECT_SUPERTYPES base table .....	161
6.24	DOMAIN_CONSTRAINTS base table .....	163
6.25	DOMAINS base table .....	165
6.26	ELEMENT_TYPES base table .....	166
6.27	FIELDS base table .....	168
6.28	KEY_COLUMN_USAGE base table .....	170
6.29	METHOD_SPECIFICATION_PARAMETERS base table .....	172
6.30	METHOD_SPECIFICATIONS base table .....	174
6.31	PARAMETERS base table .....	179
6.32	REFERENCED_TYPES base table .....	182
6.33	REFERENTIAL_CONSTRAINTS base table .....	184
6.34	ROLE_AUTHORIZATION_DESCRIPTORS base table .....	187
6.35	ROUTINE_COLUMN_USAGE base table .....	189
6.36	ROUTINE_PRIVILEGES base table .....	190
6.37	ROUTINE_ROUTINE_USAGE base table .....	192
6.38	ROUTINE_SEQUENCE_USAGE base table .....	193
6.39	ROUTINE_TABLE_USAGE base table .....	194
6.40	ROUTINES base table .....	195
6.41	SCHEMATA base table .....	202
6.42	SEQUENCES base table .....	204
6.43	SQL_CONFORMANCE base table .....	206
6.44	SQL_IMPLEMENTATION_INFO base table .....	208
6.45	SQL_SIZING base table .....	209
6.46	SQL_SIZING_PROFILES base table .....	211
6.47	TABLE_CONSTRAINTS base table .....	213
6.48	TABLE_METHOD_PRIVILEGES base table .....	215
6.49	TABLE_PRIVILEGES base table .....	217
6.50	TABLES base table .....	220
6.51	TRANSFORMS base table .....	224
6.52	TRANSLATIONS base table .....	226
6.53	TRIGGERED_UPDATE_COLUMNS base table .....	228
6.54	TRIGGER_COLUMN_USAGE base table .....	229
6.55	TRIGGER_ROUTINE_USAGE base table .....	230
6.56	TRIGGER_SEQUENCE_USAGE base table .....	231
6.57	TRIGGER_TABLE_USAGE base table .....	232
6.58	TRIGGERS base table .....	233
6.59	USAGE_PRIVILEGES base table .....	236
6.60	USER_DEFINED_TYPE_PRIVILEGES base table .....	238
6.61	USER_DEFINED_TYPES base table .....	240
6.62	VIEW_COLUMN_USAGE base table .....	244
6.63	VIEW_ROUTINE_USAGE base table .....	245
6.64	VIEW_TABLE_USAGE base table .....	246
6.65	VIEWS base table .....	247
7	Conformance .....	251
7.1	Claims of conformance to SQL/Schemata .....	251
7.2	Additional conformance requirements for SQL/Schemata .....	251
7.3	Implied feature relationships of SQL/Schemata .....	251
	Annex A SQL Conformance Summary (informative) .....	253
	Annex B Implementation-defined elements (informative) .....	271
	Annex C Implementation-dependent elements (informative) .....	273
	Annex D Deprecated features (informative) .....	275
	Annex E Incompatibilities with ISO/IEC 9075:2003 (informative) .....	277

<b>Annex F SQL feature taxonomy (informative) .....</b>	<b>279</b>
<b>Annex G Defect reports not addressed in this edition of this part of ISO/IEC 9075 (informative) ....</b>	<b>283</b>
<b>Index .....</b>	<b>285</b>

<b>Table</b>	<b>Page</b>
1 Implied feature relationships of SQL/Schemata.....	251
2 Feature taxonomy and definition for mandatory features.....	279
3 Feature taxonomy for optional features.....	281