

Dynamic Data

JOB_HEADER	
PK	<u>JOB_NAME</u>
-	<u>JOB_STATUS</u>
-	<u>BROWSE_DESCRIPTION</u>
-	<u>SAMPLE_SYNTAX_ID</u>
-	<u>DATE_CREATED</u>
-	<u>DATE_COMPLETED</u>
-	<u>DATE_RECEIVED</u>
-	<u>DATE_TO_START</u>
-	<u>SUBMITTER_OPER</u>
-	<u>SAMPLES_TO_DO</u>
-	<u>GROUP_ID</u>
-	<u>TEMPLATE_ID</u>
-	<u>SAMPLE_TEMPLATE</u>
-	<u>DATE_AUTHORISED</u>
-	<u>AUTHORISER</u>
-	<u>AUTHORISATION_NOTES</u>
-	<u>OLD_STATUS</u>
-	<u>INSPECTION_HEADER</u>
-	<u>NODE_TRIGGER_PATH</u>
-	<u>ORIGINAL_JOB</u>
-	<u>BEEN_COPIED</u>
-	<u>AUTO_VALIDATE</u>
-	<u>TOTAL_ELEMENTS</u>
-	<u>LOT_ID</u>
-	<u>CERTIFICATE</u>
-	<u>WORKFLOW_NODE</u>
-	<u>ENTITY_TEMPLATE_ID</u>
-	<u>ENTITY_TEMPLATE_VERSION</u>
-	<u>HAS_ATTACHMENTS</u>

SAMPLE	
PK	<u>ID_NUMERIC</u>
-	<u>ID_TEXT</u>
-	<u>JOB_NAME</u>
-	<u>STATUS</u>
-	<u>OLD_STATUS</u>
-	<u>COMPARED</u>
-	<u>ON_SPEC</u>
-	<u>RE_SAMPLED</u>
-	<u>ORIGINAL_SAMPLE</u>
-	<u>LINK_NUMBER</u>
-	<u>LOGIN_DATE</u>
-	<u>LOGIN_BY</u>
-	<u>SAMPLED_DATE</u>
-	<u>RECD_DATE</u>
-	<u>DATE_STARTED</u>
-	<u>STARTER</u>
-	<u>DATERESREQ</u>
-	<u>DATE_COMPLETED</u>
-	<u>COMPLETER</u>
-	<u>DATERESAVAL</u>
-	<u>DATE_AUTHORISED</u>
-	<u>AUTHORISER</u>
-	<u>AUTHORISATION_NOTES</u>
-	<u>PRODUCT</u>
-	<u>PRODUCT_VERSION</u>
-	<u>GRADE_CODE</u>
-	<u>TESTS_TO_DO</u>
-	<u>ON_WKS</u>
-	<u>PROJECT_ID</u>
-	<u>BATCH_NAME</u>
-	<u>SAMPLING_POINT</u>
-	<u>SAMPLE_TYPE</u>
-	<u>SAMPLE_NAME</u>
-	<u>DESCRIPTION</u>
-	<u>PREPARATION</u>
-	<u>HAZARD</u>
-	<u>PRIORITY</u>
-	<u>LOCATION_ID</u>
-	<u>CUSTOMER_ID</u>
-	<u>INVOICE_NUMBER</u>
-	<u>TEST_SCHEDULE</u>
-	<u>TEMPLATE_ID</u>
-	<u>COMP_PROD_NAME</u>
-	<u>COMP_PROD_VER</u>
-	<u>COMP_PROD_GRADE</u>
-	<u>STANDARD</u>
-	<u>STANDARD_ID</u>
-	<u>STANDARD_VERSION</u>
-	<u>INSPECTION_HEADER</u>
-	<u>STANDARD_TYPE</u>
-	<u>BATCH_ID</u>
-	<u>DYNAMIC_PRODUCT</u>
-	<u>TOTAL_ELEMENTS</u>
-	<u>SAMPLING_PROCEDURE</u>
-	<u>REPLICATE_LINK_NO</u>
-	<u>AUTO_VALIDATE</u>
-	<u>HAS_INCIDENTS</u>
-	<u>CERTIFICATE</u>
-	<u>SUBSTANCE</u>
-	<u>WORKFLOW_NODE</u>
-	<u>IS_SPLIT</u>
-	<u>IS_COMPOSITE</u>
-	<u>HAS_SPLIT</u>
-	<u>HAS_COMPOSITE</u>
-	<u>COMPOSITE_STATUS</u>
-	<u>ENTITY_TEMPLATE_ID</u>
-	<u>ENTITY_TEMPLATE_VERSION</u>
-	<u>HAS_ATTACHMENTS</u>
-	<u>COMMENTS</u>
-	<u>LAB_METHOD_ID</u>
-	<u>LAB_METHOD_VERSION</u>
-	<u>LAB_METHOD_OUTSTANDING</u>
-	<u>LAB_EXECUTION_ID</u>

BATCH_HEADER	
PK,FK2	<u>IDENTITY</u>
-	<u>STATUS</u>
-	<u>DATE_CREATED</u>
-	<u>CREATOR</u>
-	<u>DATE_COMPLETED</u>
-	<u>COMPLETER</u>
-	<u>DATE_REVIEWED</u>
-	<u>REVIEWER</u>
-	<u>DATE_AUTHORISED</u>
-	<u>AUTHORISER</u>
-	<u>AUTHORISATION_NOTES</u>
-	<u>DATE_CANCELLED</u>
-	<u>LIMITS</u>
-	<u>ANALYSIS</u>
-	<u>DESCRIPTION</u>
-	<u>BATCH_CLASS</u>
-	<u>TEMPLATE_ID</u>
-	<u>REVIEW_STATUS</u>
-	<u>CDS_PROJECT</u>
-	<u>CDS_CHANNEL_NUMBER</u>
-	<u>CDS_RSF_NAME</u>
-	<u>CDS_COMMENTS</u>
-	<u>CDS_TEMPLATE_NAME</u>
-	<u>CDS_ANALYSIS_NAME</u>
-	<u>CDS_METHOD_NAME</u>
-	<u>CDS_CONTROL_NAME</u>
-	<u>CDS_CALIBRATION_NAME</u>
-	<u>CDS_SUBTRACT_NAME</u>
-	<u>CDS_SUBTRACT_SAMPLE</u>
-	<u>CDS_SUB_INJECTION</u>
-	<u>CDS_RVS_CALIB_NAME</u>
-	<u>CDS_AMOUNT_SAMPLE</u>
-	<u>CDS_INSTRUMENT</u>
-	<u>CDS_APPEND_ANALYSIS</u>
-	<u>ANALYST</u>
-	<u>INSTRUMENT</u>
-	<u>START_DATE</u>
-	<u>END_DATE</u>
-	<u>BATCH_COMMENT</u>
-	<u>HAS_ATTACHMENTS</u>
-	<u>WORKFLOW_NODE</u>
-	<u>ENTITY_TEMPLATE_ID</u>
-	<u>ENTITY_TEMPLATE_VERSION</u>
-	<u>RACK_TEMPLATE_ID</u>
-	<u>RACK_TEMPLATE_VERSION</u>
-	<u>RACK_START_POSITION</u>

TEST	
PK	<u>TEST_NUMBER</u>
-	<u>ANALYSIS</u>
-	<u>SAMPLE</u>
-	<u>PREPARATION</u>
-	<u>TEST_COUNT</u>
-	<u>STATUS</u>
-	<u>OLD_STATUS</u>
-	<u>DATE_STARTED</u>
-	<u>STARTER</u>
-	<u>DATE_COMPLETED</u>
-	<u>COMPLETER</u>
-	<u>DATE_AUTHORISED</u>
-	<u>AUTHORISER</u>
-	<u>COMPONENT_REPLICATES</u>
-	<u>WORKSHEET</u>
-	<u>WORKSHEET_POSITION</u>
-	<u>REPLICATE_TEST</u>
-	<u>INSTRUMENT</u>
-	<u>TEST_PRIORITY</u>
-	<u>ON_SPEC</u>
-	<u>TEST_SCHEDULE</u>
-	<u>ORDER_NUM</u>
-	<u>HAS_RESULT_LIST</u>
-	<u>COMPONENT_LIST</u>
-	<u>ANALYSIS_VERSION</u>
-	<u>PREPARATION_BATCH</u>
-	<u>INSTRUMENT_BATCH</u>
-	<u>PARENT_TEST</u>
-	<u>INSPECTION_HEADER</u>
-	<u>TRIGGER_RULE</u>
-	<u>TRIGGER_ANALYSIS</u>
-	<u>STAT_DOUBLE_ATT_FAIL</u>
-	<u>VALIDATION_STATUS</u>
-	<u>AUTHORISATION_COMMENT</u>
-	<u>AUTO_VALIDATE</u>
-	<u>HAS_INCIDENTS</u>
-	<u>INSTRUMENT_TYPE</u>
-	<u>INSTRUMENT_REQUIRED</u>
-	<u>JOB_NAME</u>
-	<u>WORKFLOW_NODE</u>
-	<u>ENTITY_TEMPLATE_ID</u>
-	<u>ENTITY_TEMPLATE_VERSION</u>
-	<u>HAS_ATTACHMENTS</u>
-	<u>COMMENTS</u>
-	<u>LAB_METHOD_ID</u>
-	<u>LAB_METHOD_VERSION</u>
-	<u>LAB_METHOD_OUTSTANDING</u>
-	<u>LAB_EXECUTION_ID</u>

BATCH_ENTRY	
PK,FK1	<u>IDENTITY</u>
PK	<u>ORDER_NUMBER</u>
-	<u>TEST</u>
-	<u>TYPE</u>
-	<u>REPEAT_SECTION</u>
-	<u>REVIEW_STATUS</u>
-	<u>TEMPLATE_ENTRY_ID</u>
-	<u>TEMPLATE_ENTRY_ORDER</u>
-	<u>POSITION</u>
-	<u>RACK_LOCATION</u>

RESULT	
PK,FK1	<u>TEST_NUMBER</u>
PK	<u>NAME</u>
-	<u>ORDER_NUMBER</u>
-	<u>RESULT_TYPE</u>
-	<u>UNITS</u>
-	<u>MINIMUM</u>
-	<u>MAXIMUM</u>
-	<u>TYPICAL</u>
-	<u>TRUE_WORD</u>
-	<u>FALSE_WORD</u>
-	<u>ALLOWED_CHARACTERS</u>
-	<u>CALCULATION</u>
-	<u>VALUE</u>
-	<u>TEXT</u>
-	<u>PLACES</u>
-	<u>OUT_OF_RANGE</u>
-	<u>STATUS</u>
-	<u>OLD_STATUS</u>
-	<u>ENTERED_ON</u>
-	<u>ENTERED_BY</u>
-	<u>DATE_AUTHORISED</u>
-	<u>AUTHORISER</u>
-	<u>GROUP_ID</u>
-	<u>SECURITY_FLAGS</u>
-	<u>SIG_FIGS_NUMBER</u>
-	<u>SIG_FIGS_ROUNDING</u>
-	<u>SIG_FIGS_FILTER</u>
-	<u>REP_CONTROL</u>
-	<u>MINIMUM_PQL</u>
-	<u>MAXIMUM_PQL</u>
-	<u>LESS_THAN_PQL</u>
-	<u>GREATER_THAN_PQL</u>
-	<u>PQL_CALCULATION</u>
-	<u>FORMULA</u>
-	<u>DILUTION_FACTOR</u>
-	<u>SPIKE_VALUE</u>
-	<u>SURROGATE_MLP</u>
-	<u>SURROGATE_MLP_VERSION</u>
-	<u>MATRIX_NO</u>
-	<u>MATRIX_NAME</u>
-	<u>COLUMN_NO</u>
-	<u>COLUMN_NAME</u>
-	<u>ROW_NO</u>
-	<u>ROW_NAME</u>
-	<u>HAS_INCIDENTS</u>
-	<u>INSTRUMENT_USED</u>
-	<u>RAW_RESULT</u>
-	<u>ENTITY_CRITERIA</u>
-	<u>WORKFLOW_NODE</u>
-	<u>COMMENTS</u>

LIST_RESULT	
PK,FK1	<u>TEST_NUMBER</u>
PK,FK1	<u>NAME</u>
PK	<u>REPLICATE_NUMBER</u>
-	<u>RESULT_VALUE</u>
-	<u>RESULT_STRING</u>

Lot

LOT_TEMPLATE	
PK	<u>IDENTITY</u>
FK1	GROUP_ID
	DESCRIPTION
	MODIFIED_ON
FK2	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
FK3	SYNTAX
	DEFAULT_STATUS
FK4	JOB_TEMPLATE
	NAME
	HAS_ATTACHMENTS

SYNTAX	
PK,FK1	<u>IDENTITY</u>
	SYNTAX
	DESCRIPTION
	USER_WRITTEN
	LAST_USED
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	NAME
	TABLE_NAME
	FORMULA
	HAS_ATTACHMENTS

CERTIFICATE	
PK	<u>ID_NUMERIC</u>
	ID_TEXT
	TEMPLATE
	TEMPLATE_VERSION
	TYPE
	TYPE_IDENTITY
	DESCRIPTION
FK3	MODIFIED_ON
	MODIFIED_BY
FK4	PREVIEW_ON
	PREVIEWED_BY
FK5	MODIFIABLE
	GROUP_ID
	APPROVAL_REQD
	STATUS
	REPORT_USED
FK6	INSPECTION_PLAN

LOT_DETAILS	
PK	<u>LOT_ID</u>
	DESCRIPTION
	QUANTITY
FK2	UNITS
FK3	TEMPLATE
FK4	PRODUCT
FK4	PRODUCT_VERSION
	STATUS
FK1	CERTIFICATE
	HAS_ATTACHMENTS
	NAME
	LOT_TYPE
	TRACK_INVENTORY
	QUANTITY_REMAINING
	QUANTITY_RESERVED
FK5	WORKFLOW_NODE
FK6	ENTITY_TEMPLATE_ID
FK6	ENTITY_TEMPLATE_VERSION
	LOGIN_DATE
FK7	LOGIN_BY
	DATE_AUTHORISED
FK8	AUTHORISER
	APPROVAL_REQD
	APPROVAL_STATUS
FK9	INSPECTION_PLAN
	EXPIRY_DATE

LOT_RELATION	
PK,FK1	<u>FROM_LOT</u>
PK,FK2	<u>TO_LOT</u>
FK3	QUANTITY_CONSUMED
FK4	UNITS
	WORKFLOW_NODE

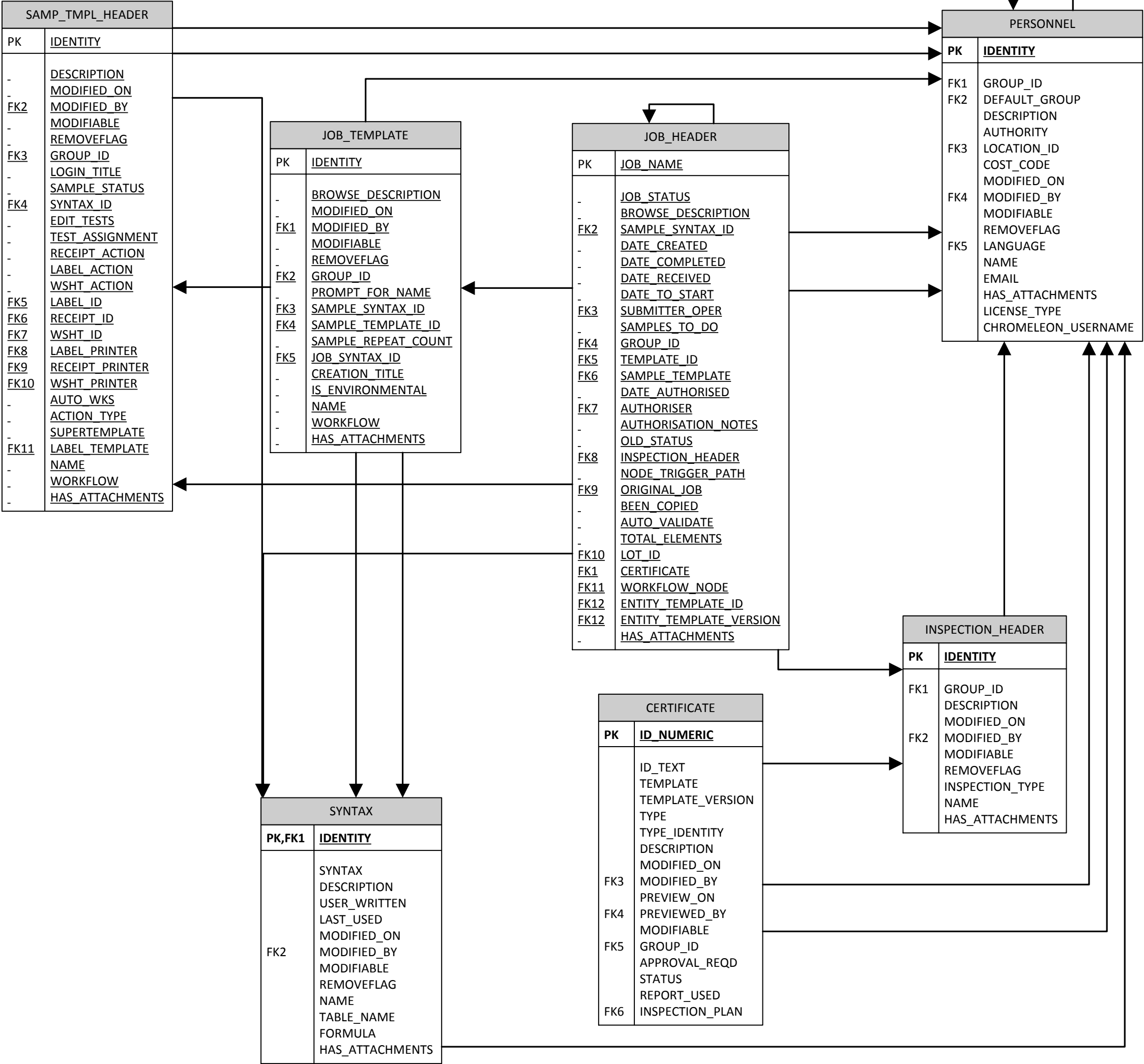
LOT_INVENTORY	
PK,FK1	<u>LOT_ID</u>
PK	<u>ORDER_NUM</u>
FK2	TO_LOT
	COMMENTS
	CONSUMED_FLAG
	QUANTITY
FK3	UNITS
	DATE_CREATED
FK4	CREATED_BY
	USAGE
	LOT_RESERVATION_ID

LOT_RESERVATION	
PK	<u>LOT_RESERVATION_GUID</u>
PK,FK1	<u>LOT_ID</u>
PK	<u>ORDER_NUM</u>
FK2	WORKFLOW_NODE
	COMMENTS
	QUANTITY_RESERVED
	QUANTITY_TAKEN
FK3	UNITS
	DATE_CREATED
FK4	CREATED_BY
	MODIFIED_ON
FK5	MODIFIED_BY
	STATUS

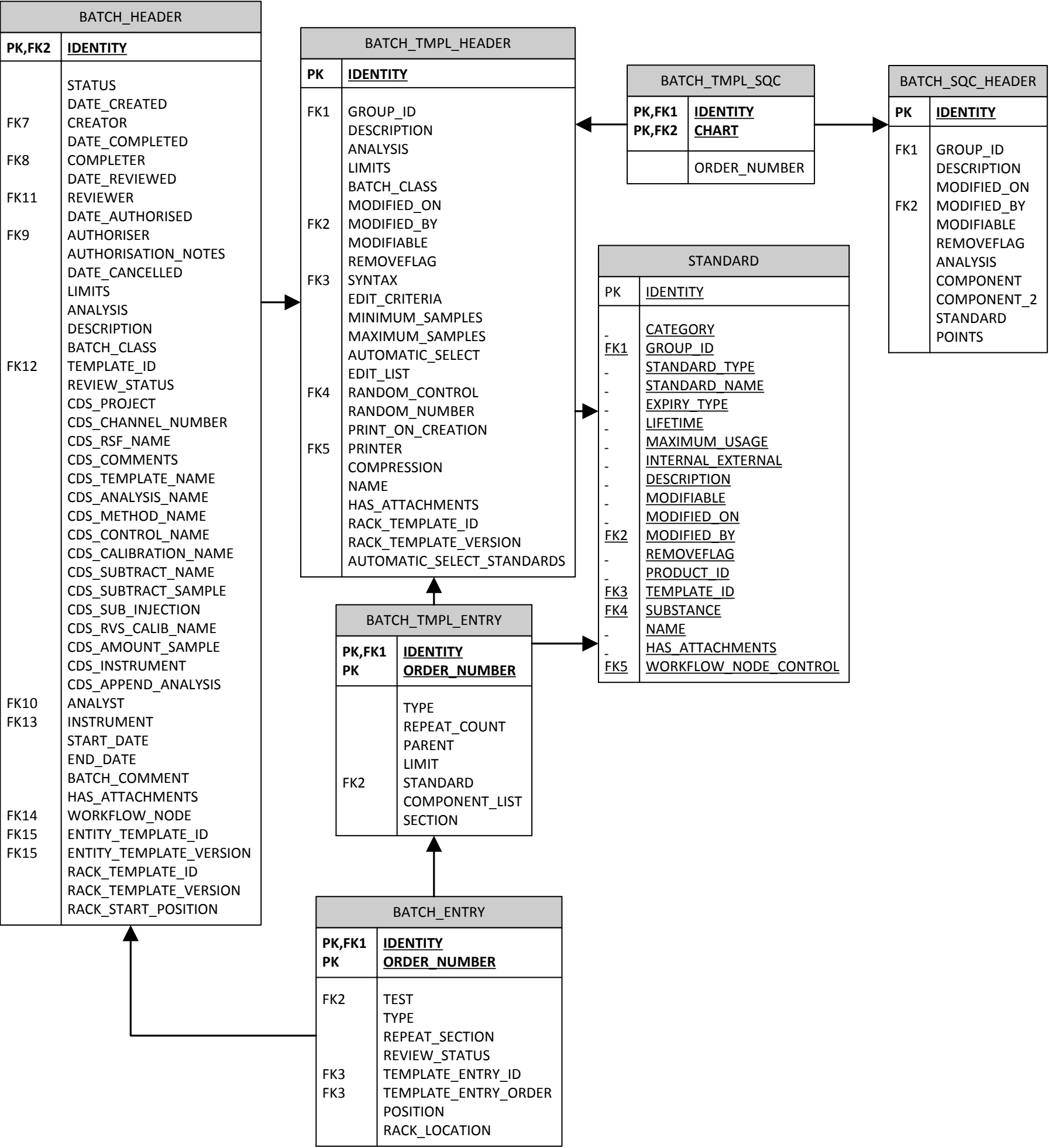
UNIT_HEADER	
PK	<u>IDENTITY</u>
	SYSTEM
	CLASS
	QUANTITY
	DESCRIPTION
	DERIVATION
	COMPLEMENT
	MODIFIED_ON
FK1	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG

UNIT_ALIAS	
PK,FK1	<u>PARENT_ID</u>
PK	<u>IDENTITY</u>
	ORDER_NUMBER

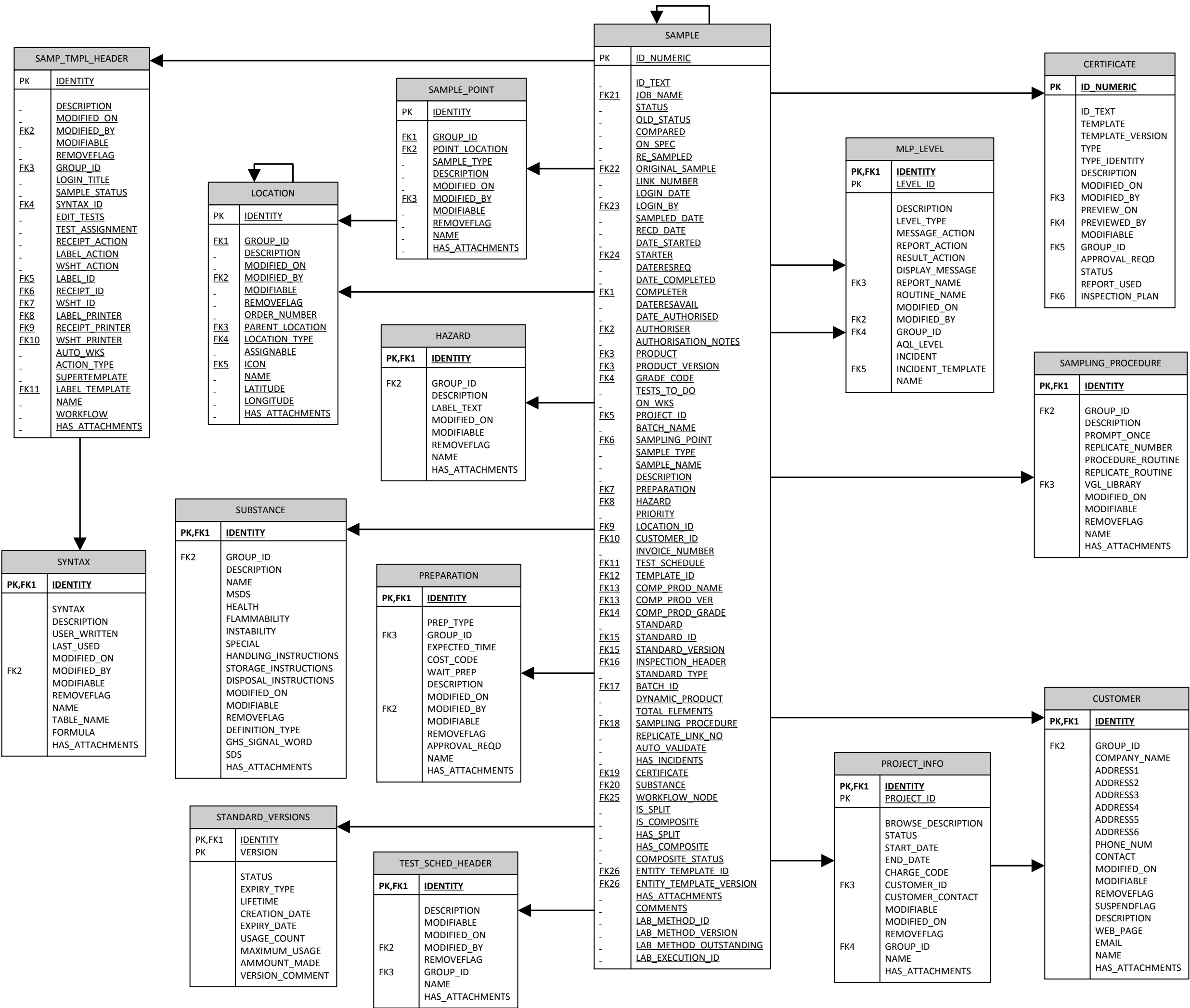
Job



Batch



Sample



Test

INSTRUMENT	
PK	IDENTITY
FK1	GROUP_ID DESCRIPTION MODIFIABLE MODIFIED_ON
FK2	MODIFIED_BY REMOVEFLAG
FK3	MANUFACTURER
FK4	INSTRUMENT_TEMPLATE SERIAL_NO INSTRUCTIONS
FK5	LOCATION_ID SOP_REFERENCE AVAILABLE RETIRED
FK6	OPERATOR_ID DATE_INSTALLED CALIBRATION_PLAN
FK7	CALIB_SAMPLE_TEMPLATE REQUIRES_CALIBRATION LAST_CALIB_DATE NEXT_CALIB_DATE
FK8	CALIB_CONTRACTOR CALIB_LEAD_TIME
FK9	CALIBRATION_SAMPLE REQUIRES_SERVICING LAST_SERVICE_DATE NEXT_SERVICE_DATE
FK10	SERVICE_CONTRACTOR SERVICE_LEAD_TIME SERVICE_INTV SERVICE_DATE SERVICE_TQE WORKFILE SERVER APPROVAL_REQD CHANNEL STATUS CALIB_DATE CALIB_INTV CALIB_TQE WORKSTATION_NAME COMM_PORT COMM_BAUD COMM_PARITY COMM_DATABITS COMM_STOPBITS COMM_SEND_STRING COMM_TIMEOUT COMM_PREAMBLE COMM_POSTAMBLE NAME INSTTYPE_ID HAS_ATTACHMENTS INSTRUMENT_CATEGORY LAB_DATA_SOURCE_ID LAB_DATA_SOURCE_VERSION LAB_PARSING_SCRIPT_ID LAB_PARSING_SCRIPT_VERSION VARIABLE_ALIAS_ID VARIABLE_ALIAS_VERSION VALUE_ALIAS_ID VALUE_ALIAS_VERSION

TEST_SCHED_HEADER	
PK,FK1	IDENTITY
FK2	DESCRIPTION MODIFIABLE MODIFIED_ON MODIFIED_BY REMOVEFLAG
FK3	GROUP_ID NAME HAS_ATTACHMENTS

TEST_SCHED_ENTRY	
PK,FK1,FK2 PK PK	IDENTITY ANALYSIS_ID ORDER_NUM
FK3 FK4	INSTRUMENT_ID INSTRUMENT_TYPE STD_TEST REPLICATE_COUNT IS_ANALYSIS COMPONENT_LIST

INSTRUMENT_TEMPLATE	
PK	IDENTITY
FK1	NAME GROUP_ID DESCRIPTION MODIFIABLE MODIFIED_ON MODIFIED_BY REMOVEFLAG
FK2	INSTRUCTIONS SOP_REFERENCE
FK3	MANUFACTURER
FK4	OPERATOR_ID
FK5	REQUIRES_CALIBRATION CALIBRATION_PLAN
FK6	CALIB_CONTRACTOR CALIB_LEAD_TIME
FK7	CALIB_SAMPLE_TEMPLATE REQUIRES_SERVICING SERVICE_INTV SERVICE_CONTRACTOR SERVICE_LEAD_TIME HAS_ATTACHMENTS

TEST	
PK	TEST_NUMBER
FK4,11 FK5 FK6	ANALYSIS SAMPLE PREPARATION TEST_COUNT STATUS OLD_STATUS DATE_STARTED STARTER
FK7	DATE_COMPLETED COMPLETER
FK8	DATE_AUTHORISED AUTHORISER
FK9	COMPONENT_REPLICATES WORKSHEET WORKSHEET_POSITION REPLICATE_TEST
FK10	INSTRUMENT TEST_PRIORITY ON_SPEC
FK11	TEST_SCHEDULE ORDER_NUM HAS_RESULT_LIST COMPONENT_LIST
FK4 FK12 FK13 FK14 FK15 FK16	ANALYSIS_VERSION PREPARATION_BATCH INSTRUMENT_BATCH PARENT_TEST INSPECTION_HEADER TRIGGER_RULE TRIGGER_ANALYSIS STAT_DOUBLE_ATT_FAIL VALIDATION_STATUS AUTHORISATION_COMMENT
FK17	AUTO_VALIDATE HAS_INCIDENTS INSTRUMENT_TYPE INSTRUMENT_REQUIRED
FK3 FK18 FK19 FK19	JOB_NAME WORKFLOW_NODE ENTITY_TEMPLATE_ID ENTITY_TEMPLATE_VERSION HAS_ATTACHMENTS COMMENTS LAB_METHOD_ID LAB_METHOD_VERSION LAB_METHOD_OUTSTANDING LAB_EXECUTION_ID

RULE	
PK	IDENTITY
FK1 FK2	MODIFIED_ON MODIFIED_BY REMOVEFLAG MODIFIABLE DESCRIPTION PROBATION_NUMBER PROBATION_PERIOD FREQUENCY INTERVAL VGL_ROUTINE VGL_LIBRARY NAME

RULE_COUNT	
PK,FK1 PK	RULE_ID COUNTER_ID
	USAGE_COUNT FULLTEST_COUNT FULLTEST_DATE START_DATE

PREPARATION	
PK,FK1	IDENTITY
FK3	PREP_TYPE GROUP_ID EXPECTED_TIME COST_CODE WAIT_PREP DESCRIPTION MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG APPROVAL_REQD NAME HAS_ATTACHMENTS

VERSIONED_ANALYSIS	
PK PK	IDENTITY ANALYSIS_VERSION
FK1 FK2 FK3 FK4 FK5 FK6	GROUP_ID ANALYSIS_TYPE DESCRIPTION INSTTYPE_ID PREPARATION_ID EXPECTED_TIME CHARGECODE RESULT_SCREEN MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG CALCULATION REPLICATES ACCESS_FLAGS COMP_REPLICATES GENERIC_ANALYSIS APPROVAL_REQD ALLOW_CATEGORY APPROVAL_STATUS INSPECTION_PLAN SAMPLING_PLAN_TYPE AUTO_VALIDATE INSTRUMENT_REQUIRED SOP_REFERENCE UNCERTAINTY_TEXT NAME ACTIVE ACTIVE_FROM ACTIVE_TO WORKFLOW_ID ENTITY_TEMPLATE_ID HAS_ATTACHMENTS LAB_METHOD_ID LAB_METHOD_VERSION

INSPECTION_HEADER	
PK	IDENTITY
FK1 FK2	GROUP_ID DESCRIPTION MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG INSPECTION_TYPE NAME HAS_ATTACHMENTS

Result

INSTRUMENT	
PK	IDENTITY
FK1	GROUP_ID
	DESCRIPTION
	MODIFIABLE
FK2	MODIFIED_ON
	REMOVEFLAG
FK3	MANUFACTURER
FK4	INSTRUMENT_TEMPLATE
	SERIAL_NO
FK5	INSTRUCTIONS
	LOCATION_ID
	SOP_REFERENCE
	AVAILABLE
FK6	RETIRED
	OPERATOR_ID
	DATE_INSTALLED
	CALIBRATION_PLAN
FK7	CALIB_SAMPLE_TEMPLATE
	REQUIRES_CALIBRATION
	LAST_CALIB_DATE
	NEXT_CALIB_DATE
FK8	CALIB_CONTRACTOR
	CALIB_LEAD_TIME
FK9	CALIBRATION_SAMPLE
	REQUIRES_SERVICING
	LAST_SERVICE_DATE
	NEXT_SERVICE_DATE
FK10	SERVICE_CONTRACTOR
	SERVICE_LEAD_TIME
	SERVICE_INTV
	SERVICE_DATE
	SERVICE_TQE
	WORKFILE
	SERVER
	APPROVAL_REQD
	CHANNEL
	STATUS
	CALIB_DATE
	CALIB_INTV
	CALIB_TQE
	WORKSTATION_NAME
	COMM_PORT
	COMM_BAUD
	COMM_PARITY
	COMM_DATABITS
	COMM_STOPBITS
	COMM_SEND_STRING
	COMM_TIMEOUT
	COMM_PREAMBLE
	COMM_POSTAMBLE
	NAME
	INSTTYPE_ID
	HAS_ATTACHMENTS
	INSTRUMENT_CATEGORY
	LAB_DATA_SOURCE_ID
	LAB_DATA_SOURCE_VERSION
	LAB_PARSING_SCRIPT_ID
	LAB_PARSING_SCRIPT_VERSION
	VARIABLE_ALIAS_ID
	VARIABLE_ALIAS_VERSION
	VALUE_ALIAS_ID
	VALUE_ALIAS_VERSION

TEST	
PK	TEST_NUMBER
FK4,I1	ANALYSIS
FK5	SAMPLE
FK6	PREPARATION
-	TEST_COUNT
-	STATUS
-	OLD_STATUS
-	DATE_STARTED
FK7	STARTER
-	DATE_COMPLETED
FK8	COMPLETER
-	DATE_AUTHORISED
FK9	AUTHORISER
-	COMPONENT_REPLICATES
-	WORKSHEET
-	WORKSHEET_POSITION
-	REPLICATE_TEST
FK10	INSTRUMENT
-	TEST_PRIORITY
-	ON_SPEC
FK11	TEST_SCHEDULE
-	ORDER_NUM
-	HAS_RESULT_LIST
-	COMPONENT_LIST
FK4	ANALYSIS_VERSION
FK12	PREPARATION_BATCH
FK13	INSTRUMENT_BATCH
FK14	PARENT_TEST
FK15	INSPECTION_HEADER
FK16	TRIGGER_RULE
-	TRIGGER_ANALYSIS
-	STAT_DOUBLE_ATT_FAIL
-	VALIDATION_STATUS
-	AUTHORISATION_COMMENT
-	AUTO_VALIDATE
-	HAS_INCIDENTS
FK17	INSTRUMENT_TYPE
-	INSTRUMENT_REQUIRED
FK3	JOB_NAME
FK18	WORKFLOW_NODE
FK19	ENTITY_TEMPLATE_ID
FK19	ENTITY_TEMPLATE_VERSION
-	HAS_ATTACHMENTS
-	COMMENTS
-	LAB_METHOD_ID
-	LAB_METHOD_VERSION
-	LAB_METHOD_OUTSTANDING
-	LAB_EXECUTION_ID

RESULT	
PK,FK1	TEST_NUMBER
PK	NAME
FK2	ORDER_NUMBER
	RESULT_TYPE
	UNITS
	MINIMUM
	MAXIMUM
	TYPICAL
	TRUE_WORD
	FALSE_WORD
	ALLOWED_CHARACTERS
	CALCULATION
	VALUE
	TEXT
	PLACES
	OUT_OF_RANGE
	STATUS
	OLD_STATUS
	ENTERED_ON
	ENTERED_BY
	DATE_AUTHORISED
	AUTHORISER
	GROUP_ID
	SECURITY_FLAGS
	SIG_FIGS_NUMBER
	SIG_FIGS_ROUNDING
	SIG_FIGS_FILTER
	REP_CONTROL
	MINIMUM_PQL
	MAXIMUM_PQL
	LESS_THAN_PQL
	GREATER_THAN_PQL
FK5	PQL_CALCULATION
	FORMULA
FK6	DILUTION_FACTOR
	SPIKE_VALUE
FK6	SURROGATE_MLP
	SURROGATE_MLP_VERSION
FK6	MATRIX_NO
	MATRIX_NAME
FK6	COLUMN_NO
	COLUMN_NAME
FK6	ROW_NO
	ROW_NAME
FK7	HAS_INCIDENTS
	INSTRUMENT_USED
FK7	RAW_RESULT
	ENTITY_CRITERIA
FK8	WORKFLOW_NODE
	COMMENTS

LIST_RESULT	
PK,FK1	TEST_NUMBER
PK,FK1	NAME
PK	REPLICATE_NUMBER
RESULT_VALUE	
RESULT_STRING	

LIST_RESULT_FORMAT	
PK	IDENTITY
FK1	GROUP_ID
FK2	DESCRIPTION
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
FK3	REMOVEFLAG
	FORM_TITLE
	REPLICATE_TITLE
	VALUE_TITLE
	MAX_REPLICATES
	LIBRARY
	CALLBACK_ROUTINE
	NAME
FK3	HAS_ATTACHMENTS

LTE: Login

COLUMN_SET_HEADER	
PK	IDENTITY
FK1	GROUP_ID DESCRIPTION MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG NAME
FK2	

COLUMN_SET_ENTRY	
PK,FK1	IDENTITY
PK	ENTRY_NUMBER
	ORDER_NUMBER FIELD_TYPE FIELD_NAME

SAMPLE_PLAN_HEADER	
PK	IDENTITY
PK	VERSION
FK1	MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG
FK2	GROUP_ID
FK3	INSPECTION_PLAN
FK4	PARENT_IDENTITY
FK4	APPROVAL_VERSION ORDER_NUMBER CRITERIA_FIELDS CRITERIA_OPERATOR CRITERIA_VALUE CRITERIA_DATATYPE CONDITIONAL DESCRIPTION STATUS ACTIVATION_DATE VGL_ROUTINE
FK5	VGL_LIBRARY
FK6	IS_APPROVAL_NODE COLUMN_SET SPEC_SET_IDENTITY SPEC_SET_VERSION NAME HAS_ATTACHMENTS

SAMPLE_PLAN_RULE	
PK,FK1	IDENTITY
PK,FK1	VERSION
PK,FK2	RULE_ID
	ORDER_NUMBER

RULE	
PK	IDENTITY
FK1	MODIFIED_ON MODIFIED_BY GROUP_ID REMOVEFLAG MODIFIABLE DESCRIPTION PROBATION_NUMBER PROBATION_PERIOD FREQUENCY INTERVAL VGL_ROUTINE VGL_LIBRARY NAME
FK2	
FK3	

RULE_COUNT	
PK,FK1	RULE_ID
PK	COUNTER_ID
	USAGE_COUNT FULLTEST_COUNT FULLTEST_DATE START_DATE

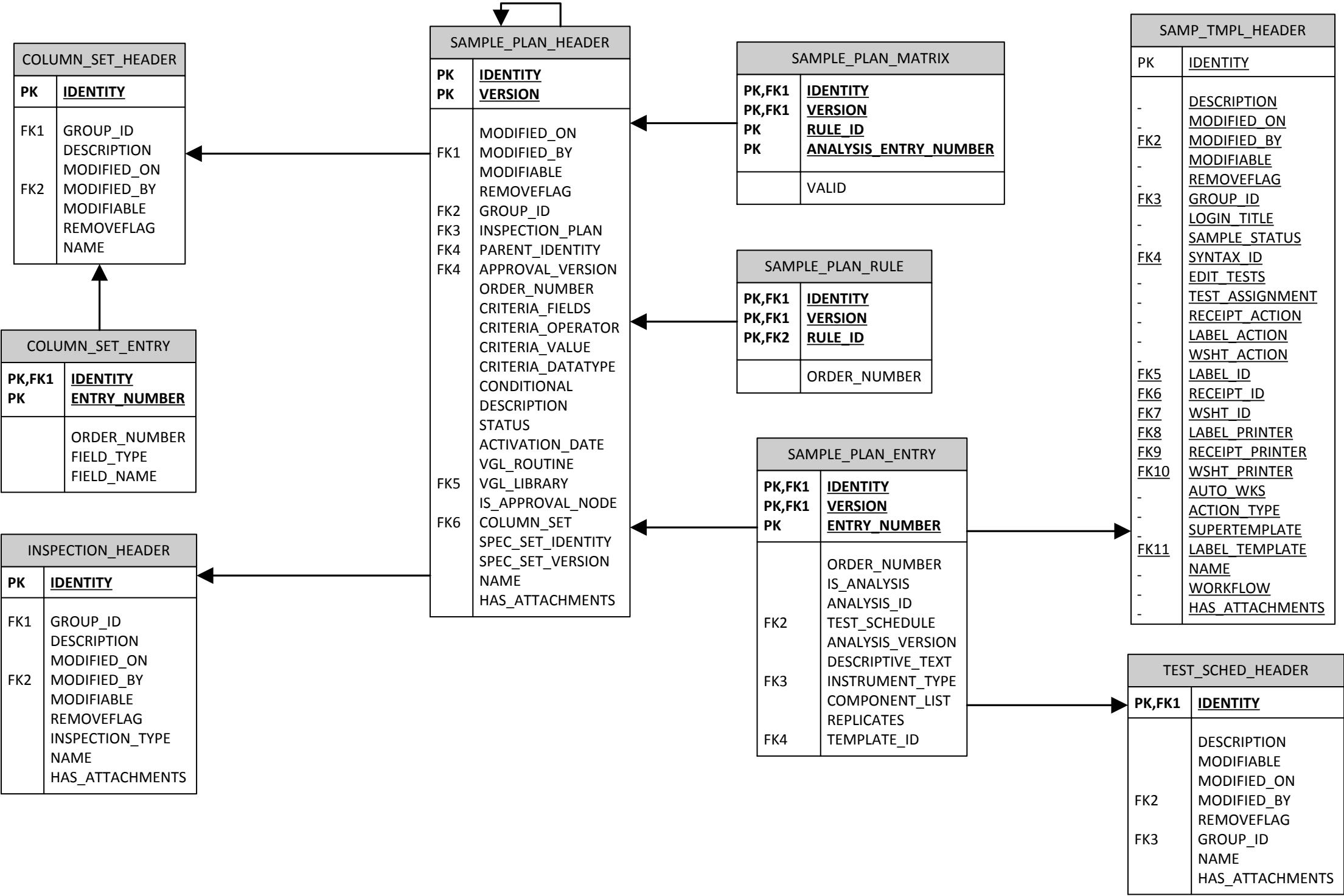
TEST	
PK	TEST_NUMBER
FK4,11	ANALYSIS
FK5	SAMPLE
FK6	PREPARATION
-	TEST_COUNT
-	STATUS
-	OLD_STATUS
-	DATE_STARTED
FK7	STARTER
FK8	DATE_COMPLETED
-	COMPLETER
FK9	DATE_AUTHORISED
-	AUTHORISER
-	COMPONENT_REPLICATES
-	WORKSHEET
-	WORKSHEET_POSITION
-	REPLICATE_TEST
FK10	INSTRUMENT
-	TEST_PRIORITY
-	ON_SPEC
FK11	TEST_SCHEDULE
-	ORDER_NUM
-	HAS_RESULT_LIST
-	COMPONENT_LIST
FK4	ANALYSIS_VERSION
FK12	PREPARATION_BATCH
FK13	INSTRUMENT_BATCH
FK14	PARENT_TEST
FK15	INSPECTION_HEADER
FK16	TRIGGER_RULE
-	TRIGGER_ANALYSIS
-	STAT_DOUBLE_ATT_FAIL
-	VALIDATION_STATUS
-	AUTHORISATION_COMMENT
-	AUTO_VALIDATE
-	HAS_INCIDENTS
FK17	INSTRUMENT_TYPE
-	INSTRUMENT_REQUIRED
FK3	JOB_NAME
FK18	WORKFLOW_NODE
FK19	ENTITY_TEMPLATE_ID
FK19	ENTITY_TEMPLATE_VERSION
-	HAS_ATTACHMENTS
-	COMMENTS
-	LAB_METHOD_ID
-	LAB_METHOD_VERSION
-	LAB_METHOD_OUTSTANDING
-	LAB_EXECUTION_ID

SYNTAX	
PK,FK1	IDENTITY
FK2	SYNTAX DESCRIPTION USER_WRITTEN LAST_USED MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG NAME TABLE_NAME FORMULA HAS_ATTACHMENTS

TEMPLATE_FIELDS	
PK	TABLE_NAME
PK	TEMPLATE_ID
PK	FIELD_NAME
FK1	ORDER_NUMBER DEFAULT_TYPE DEFAULT_VALUE TEXT_PROMPT LIBRARY_NAME ROUTINE_NAME PROMPT_FLAG COPY_FLAG DISPLAY_FLAG MANDATORY_FLAG

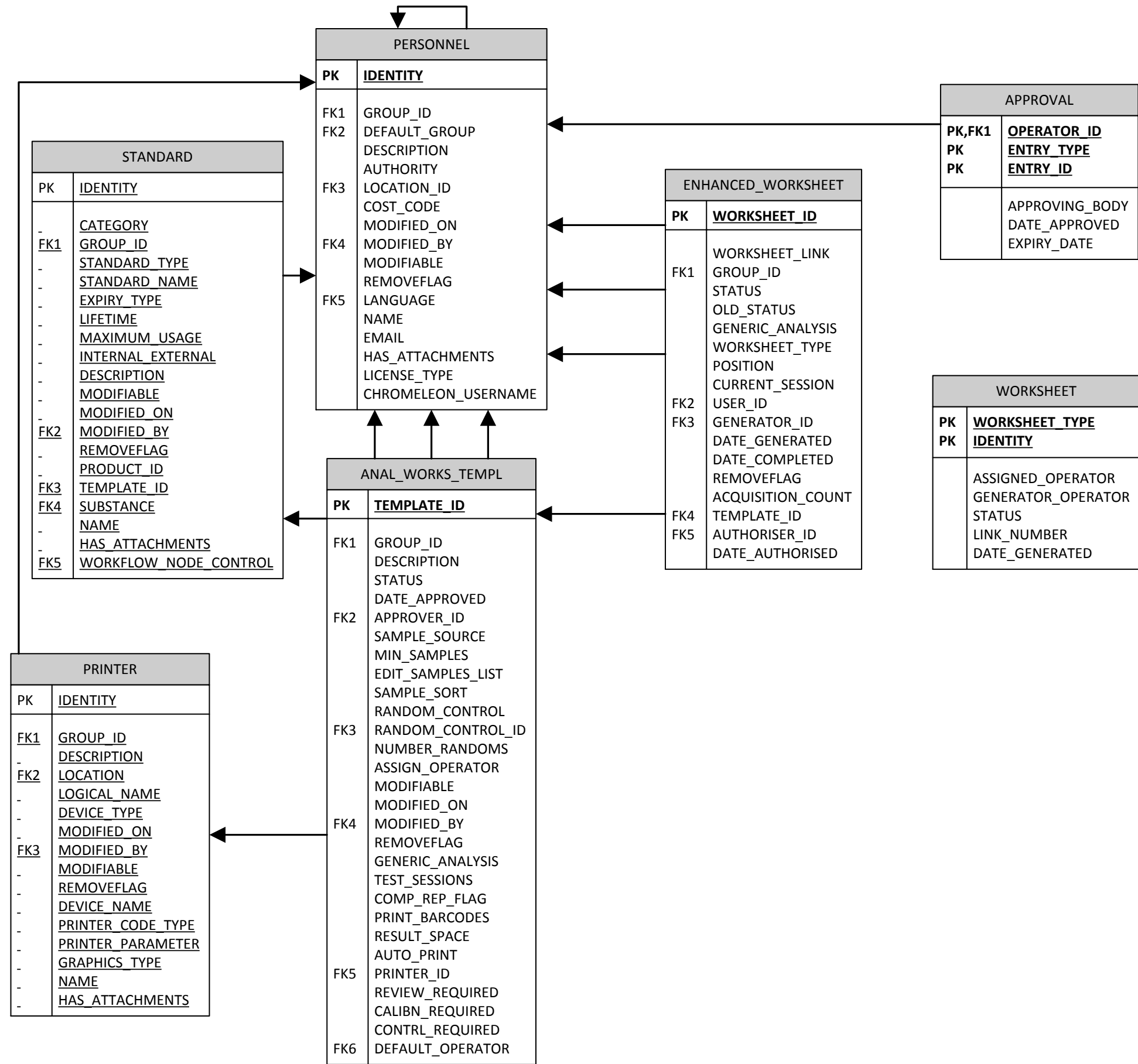


Sample Plan





# Worksheets



LTE: System

LABEL_TEMPLATE	
PK	<u>IDENTITY</u>
FK1	NAME GROUP_ID DESCRIPTION DATA_ENTITY_DEFINITION MODIFIED_ON
FK2	MODIFIED_BY MODIFIABLE REMOVEFLAG HAS_ATTACHMENTS

LICENSE	
PK	<u>PRODUCT</u>
	CHECKSUM EXPIRY_DATE LOGIN_DATE NUMBER_OF_USERS SYSTEM_ID CPU_TYPE

MODULAR_REPORT	
PK	<u>IDENTITY</u>
PK	<u>VERSION</u>
FK1	NAME ENTITY_TYPE GROUP_ID DESCRIPTION MODIFIED_ON
FK2	MODIFIED_BY CRITERIA
FK3	MASTER_TEMPLATE_IDENTITY
FK3	MASTER_TEMPLATE_VERSION
FK4	MODIFIABLE REMOVEFLAG HAS_ATTACHMENTS APPROVAL_STATUS INSPECTION_PLAN ACTIVE ACTIVE_FROM ACTIVE_TO USE_MASTER_TEMPLATE_CONFIG

MODULAR_REPORT_ITEM	
PK,FK1	<u>MODULAR_REPORT_ID</u>
PK,FK1	<u>MODULAR_REPORT_VERSION</u>
PK	<u>ORDER_NUM</u>
FK2	REPORT_TEMPLATE_ID
FK2	REPORT_TEMPLATE_VERSION

CGI_SCRIPT	
PK	<u>IDENTITY</u>
FK1	DESCRIPTION REPORT ROUTINE MODIFIED_ON
FK2	MODIFIED_BY MODIFIABLE REMOVEFLAG SECURITY_LEVEL SECURITY_AREA NAME HAS_ATTACHMENTS

REPORT	
PK	<u>IDENTITY</u>
FK1	GROUP_ID
-	TITLE
-	MODIFIED_ON
FK2	MODIFIED_BY
-	MODIFIABLE
-	REMOVEFLAG
-	NAME
-	HAS_ATTACHMENTS

INFOMAKER_LINK	
PK	<u>IDENTITY</u>
FK1	DESCRIPTION LIBRARY REPORT USER_LIBRARY VALID_ROUTINE COPIES PREVIEW
FK2	GROUP_ID MODIFIABLE MODIFIED_ON
FK3	MODIFIED_BY REMOVEFLAG NAME

PRINTER	
PK	<u>IDENTITY</u>
FK1	GROUP_ID
-	DESCRIPTION
FK2	LOCATION
-	LOGICAL_NAME
-	DEVICE_TYPE
-	MODIFIED_ON
FK3	MODIFIED_BY
-	MODIFIABLE
-	REMOVEFLAG
-	DEVICE_NAME
-	PRINTER_CODE_TYPE
-	PRINTER_PARAMETER
-	GRAPHICS_TYPE
-	NAME
-	HAS_ATTACHMENTS

PHRASE_HEADER	
PK	<u>IDENTITY</u>
FK1	GROUP_ID
-	DESCRIPTION
-	MODIFIED_ON
FK2	MODIFIED_BY
-	MODIFIABLE
-	REMOVEFLAG
-	NAME
-	HAS_ATTACHMENTS

PHRASE	
PK,FK1	<u>PHRASE_TYPE</u>
PK	<u>PHRASE_ID</u>
FK2	ORDER_NUM
	PHRASE_TEXT
	ICON

DESTINATION_FAILURE	
PK,FK1	<u>ENTRY_NUMBER</u>
PK,FK2	<u>DESTINATION</u>
	ERRORS

DESTINATION	
PK	<u>IDENTITY</u>
FK1	TYPE DESCRIPTION REPORT ROUTINE
FK2	GROUP_ID MODIFIED_ON
FK3	MODIFIED_BY MODIFIABLE REMOVEFLAG SAMPLE_STATUS TEST_STATUS RESULT_STATUS NAME

INFOMAKER_PARAMETERS	
PK,FK1	<u>INFOMAKER_LINK</u>
PK	<u>IDENTITY</u>
	ORDER_NUMBER DESCRIPTION DEFAULT_VALUE TYPE PROMPT1 PROMPT2 MANDATORY

DISTRIBUTION	
PK,FK1	<u>DISTRIBUTION_ID</u>
PK,FK2	<u>DESTINATION_ID</u>
PK	<u>ORDER_NUM</u>

DISTRIBUTION_PERSONNEL	
PK,FK1	<u>DISTRIBUTION_ID</u>
PK,FK2	<u>DESTINATION_OPERATOR</u>
PK	<u>ORDER_NUM</u>

REPORT_TEMPLATE	
PK	<u>IDENTITY</u>
PK	<u>VERSION</u>
FK1	NAME GROUP_ID DESCRIPTION DATA_ENTITY_DEFINITION MODIFIED_ON
FK2	MODIFIED_BY MODIFIABLE REMOVEFLAG PUBLISH HAS_ATTACHMENTS CRITERIA CRITERIASEARCH IS_TEMPLATE
FK3	MASTER_TEMPLATE
FK3	MASTER_TEMPLATE_VERSION
FK4	APPROVAL_STATUS INSPECTION_PLAN ACTIVE ACTIVE_FROM ACTIVE_TO USE_MASTER_TEMPLATE_CONFIG

CRITERIA_SAVED	
PK	<u>TABLE_NAME</u>
PK	<u>IDENTITY</u>
FK1	MODIFIED_ON
FK2	MODIFIED_BY
FK2	MODIFIABLE
FK2	REMOVEFLAG
FK2	GROUP_ID
FK3	DESCRIPTION TASK_NAME FORM NAME PUBLIC_CRITERIA HAS_ATTACHMENTS

REPORT_LAYOUT_HEADER	
PK	<u>IDENTITY</u>
FK1	NAME MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG
FK2	GROUP_ID DESCRIPTION TABLE_NAME IS_DEFAULT USE_DEFAULT_FIELDS
FK3	MASTER_TEMPLATE
FK3	MASTER_TEMPLATE_VERSION
FK4	USE_MASTER_TEMPLATE_CONFIG OUTPUT_TYPE LANGUAGE INCLUDE_TEXT FILE_DIRECTORY FILE_EXTENSION

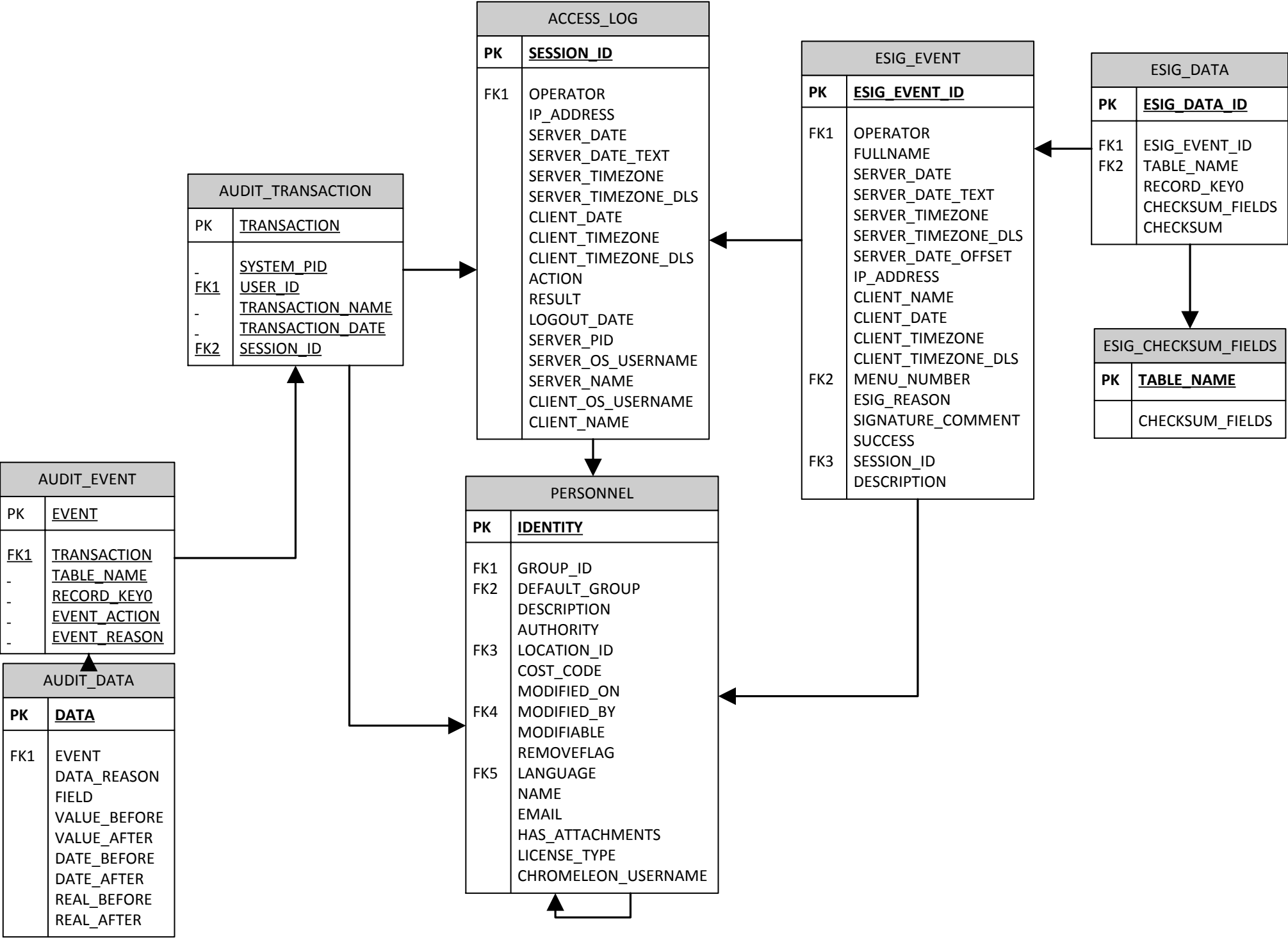
REPORT_LAYOUT_LINK	
PK,FK1	<u>REPORT_LAYOUT_HEADER</u>
PK	<u>ORDER_NUMBER</u>
FK2	REPORT_LAYOUT_HEADER_LINK TABLE_NAME RELATIONSHIP_NAME

LANGUAGE	
PK	<u>IDENTITY</u>
FK1	NAME ICON
FK2	GROUP_ID DESCRIPTION LOCALE MODIFIED_ON
FK3	MODIFIED_BY MODIFIABLE REMOVEFLAG HAS_ATTACHMENTS

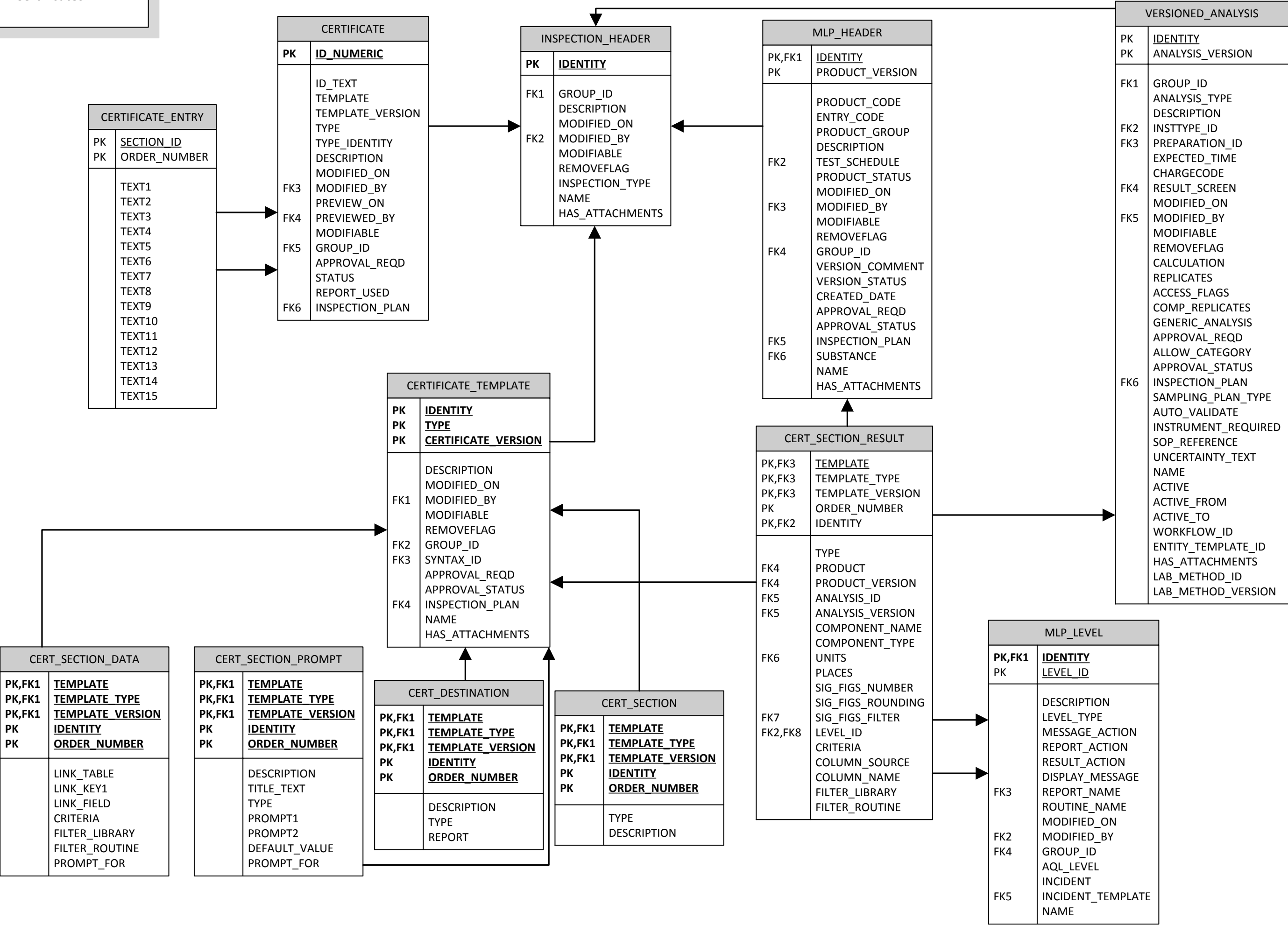
REPORT_LAYOUT_FIELD	
PK,FK1	<u>REPORT_LAYOUT_HEADER</u>
PK	<u>FIELD_NAME</u>
	ORDER_NUMBER DESCRIPTION WIDTH FIELD_REPEATS FORMAT_STRING



Audits and Esigs



Certificates



Config and Menus

CONFIG_HEADER	
PK	<u>IDENTITY</u>
FK1	MODIFIED_ON
	MODIFIED_BY
FK2	MODIFIABLE
	REMOVEFLAG
	USER_MODIFIABLE
	DESCRIPTION
	DATA_TYPE
	LIBRARY
	ROUTINE
	VALUE
	CATEGORY

CONFIG_ITEM	
PK,FK1	<u>IDENTITY</u>
PK,FK2	<u>OPERATOR</u>
PK,FK3	<u>GROUP_NAME</u>
	VALUE

HELP_CONTEXT	
PK	<u>IDENTITY</u>
FK1	MODIFIED_ON
	MODIFIED_BY
	KEYWORD
	TITLE
	MNEMONIC
	MODIFIABLE
	REMOVE_FLAG
	NAME

CONTENTS	
PK,FK1	<u>CHAPTER_ID</u>
PK,FK2	<u>CONTEXT_ID</u>
	ORDER_NUM

CHAPTER	
PK	<u>IDENTITY</u>
FK1	MODIFIED_ON
	MODIFIED_BY
	TITLE
	ORDER_NUM
	NAME

MENU	
PK	<u>OWNER_MENU</u>
PK	<u>MENU_NUMERIC</u>
PK	<u>ORDER_NUM</u>
FK1	PROCEDURE_NUM
	MNEMONIC
	SECURITY_LEVEL
	GROUP_ID
	DESCRIPTION
	DESC_LENGTH
	LIBRARY
FK2	ROUTINE

BARMENU	
PK	<u>MENU_NAME</u>
PK	<u>MENU_NUMBER</u>
PK	<u>ORDER_NUMBER</u>
FK1	OPTION_NUMBER
	OPTION_NAME
	HELP_FILE
	SECURITY_LEVEL
	GROUP_ID

MASTER_MENU	
PK	<u>PROCEDURE_NUM</u>
FK1	DESCRIPTION
	SHORT_TEXT
	MNEMONIC
	LIBRARY
FK2	ROUTINE
	TABLE_NAME
	DATA_TYPE
	ACTION_TYPE
FK3	TYPE
	COMMITTED
	AUX_REPORT
	MODIFIED_ON
FK4	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	ICON
FK4	ESIG_LEVEL
	ESIG_REASON
	PARAMETERS
	PARAMETERS_ACTIONS
FK4	LIMSML_ENTITY
	LIMSML_ACTION
	CATEGORY
	IMPLEMENTATION_TYPE
FK4	TASK_NAME
	TASK_PARAMETERS
	WINDOW_STYLE
	HAS_ATTACHMENTS
FK4	MENU_GROUP_NAME
	WEB_FUNCTION_NAME
	WEB_ENABLED
	WEB_AVAILABLE
FK4	WEB_ONLY

EXPLORER_RMB	
PK,FK1	<u>CABINET</u>
PK,FK1	<u>FOLDER_NUMBER</u>
PK	<u>RMB_NUMBER</u>
FK2	TYPE
	NAME
	DESCRIPTION
	GROUP_ID
	ORDER_NUMBER
	PARENT_NUMBER
	CONTEXT_ROUTINE
	CONTEXT_LIBRARY
	CONTEXT_FIELD
	CONTEXT_OPERATOR
	CONTEXT_VALUE
	ALLOW_MULTIPLE
	ON_TREE
	REFRESH
	MENUPROC
	USING
FK4	LOCK_REQUIRED
	ON_NAVBAR
	ON_GRID
	BEGIN_GROUP

MENU_TOOLBAR	
PK	<u>TOOLBAR_NAME</u>
PK	<u>ITEM_NUMBER</u>
FK1	PARENT_NUMBER
	ITEM_NAME
	TYPE
	PROCEDURE_NUM
	INTERNAL_ITEM_NAME
	PAINT_STYLE
	BEGIN_GROUP
	SHORTCUT

MENU_MYTASKS	
PK	<u>MYTASKS_NAME</u>
PK	<u>ITEM_NUMBER</u>
FK1	ITEM_NAME
	PROCEDURE_NUM
	ICON
FK2	PARAMETERS

USER_SETTING	
PK,FK1	<u>OPERATOR</u>
PK	<u>TYPE</u>
PK	<u>IDENTITY</u>
PK	<u>PROPERTY</u>
	VALUE

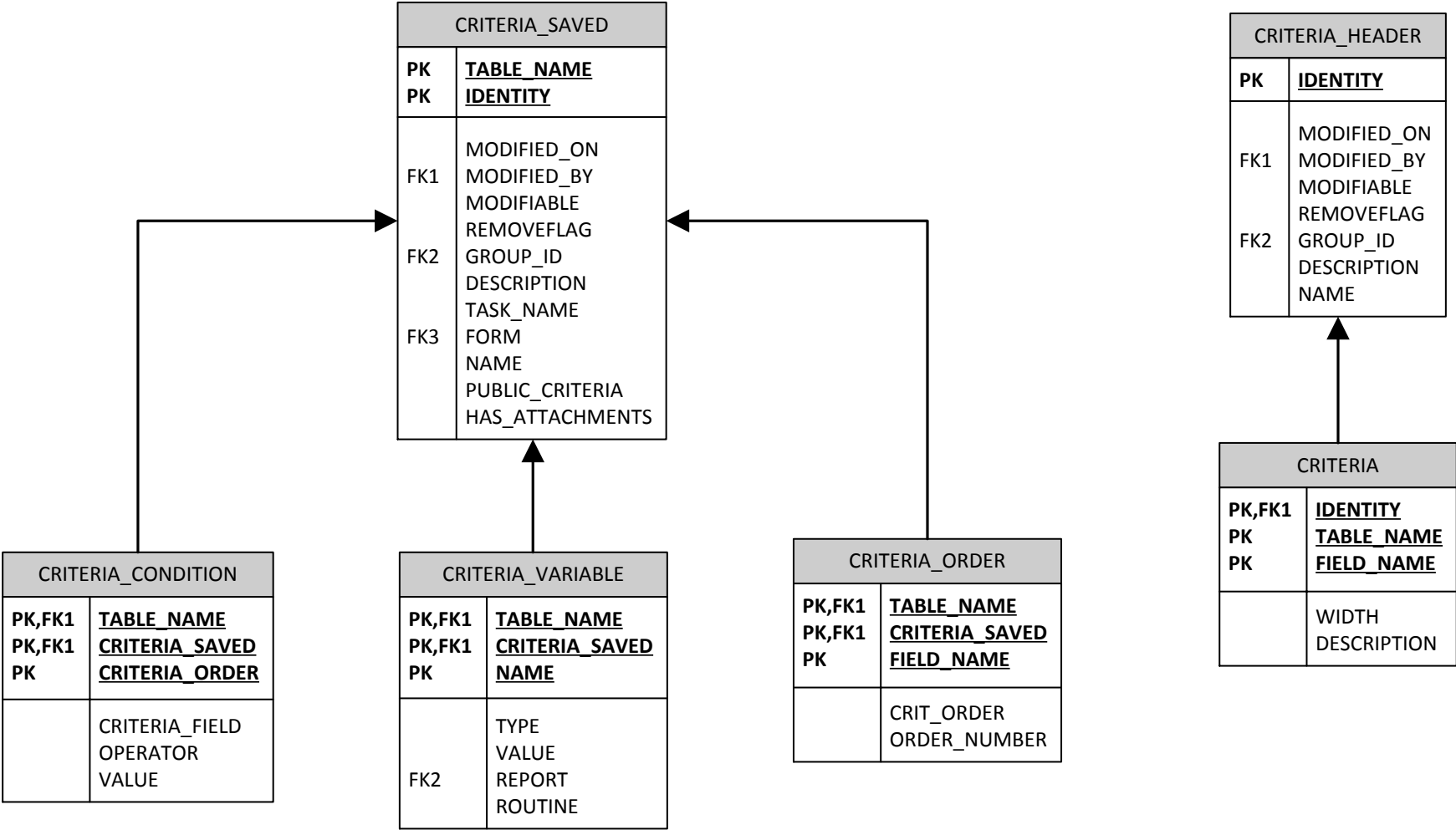
BLOB_VALUES	
PK	<u>BLOB_ID</u>
	IS_BINARY
	TABLE_NAME
	FIELD_NAME
	BLOB_FIELD

FAVOURITE	
PK,FK1	<u>USER_ID</u>
PK	<u>TABLE_NAME</u>
PK	<u>RECORD_KEY0</u>
	DATE_CREATED

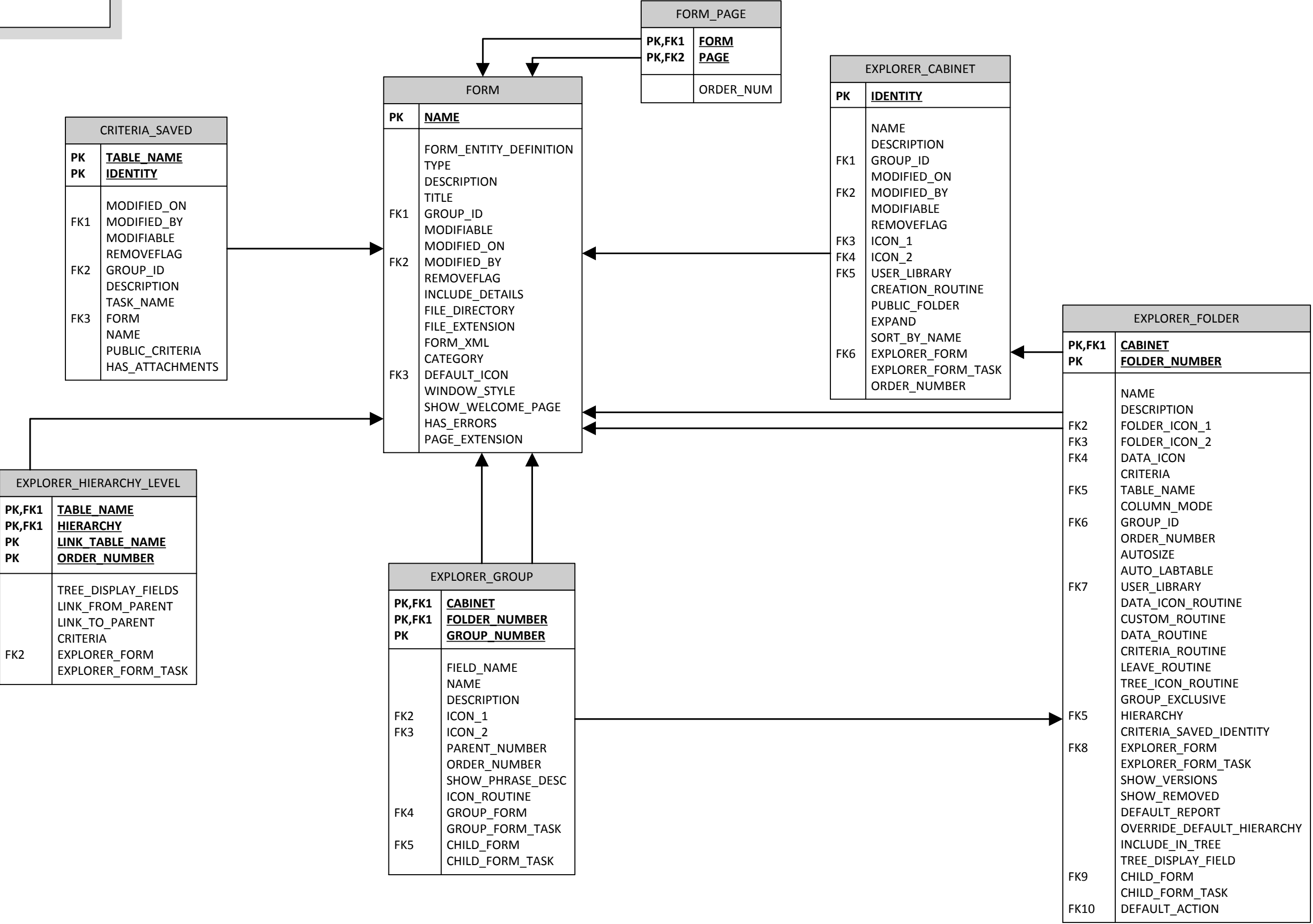
INCREMENTS	
PK	<u>MAJOR</u>
PK	<u>MINOR</u>
	LASTVAL
	CACHING

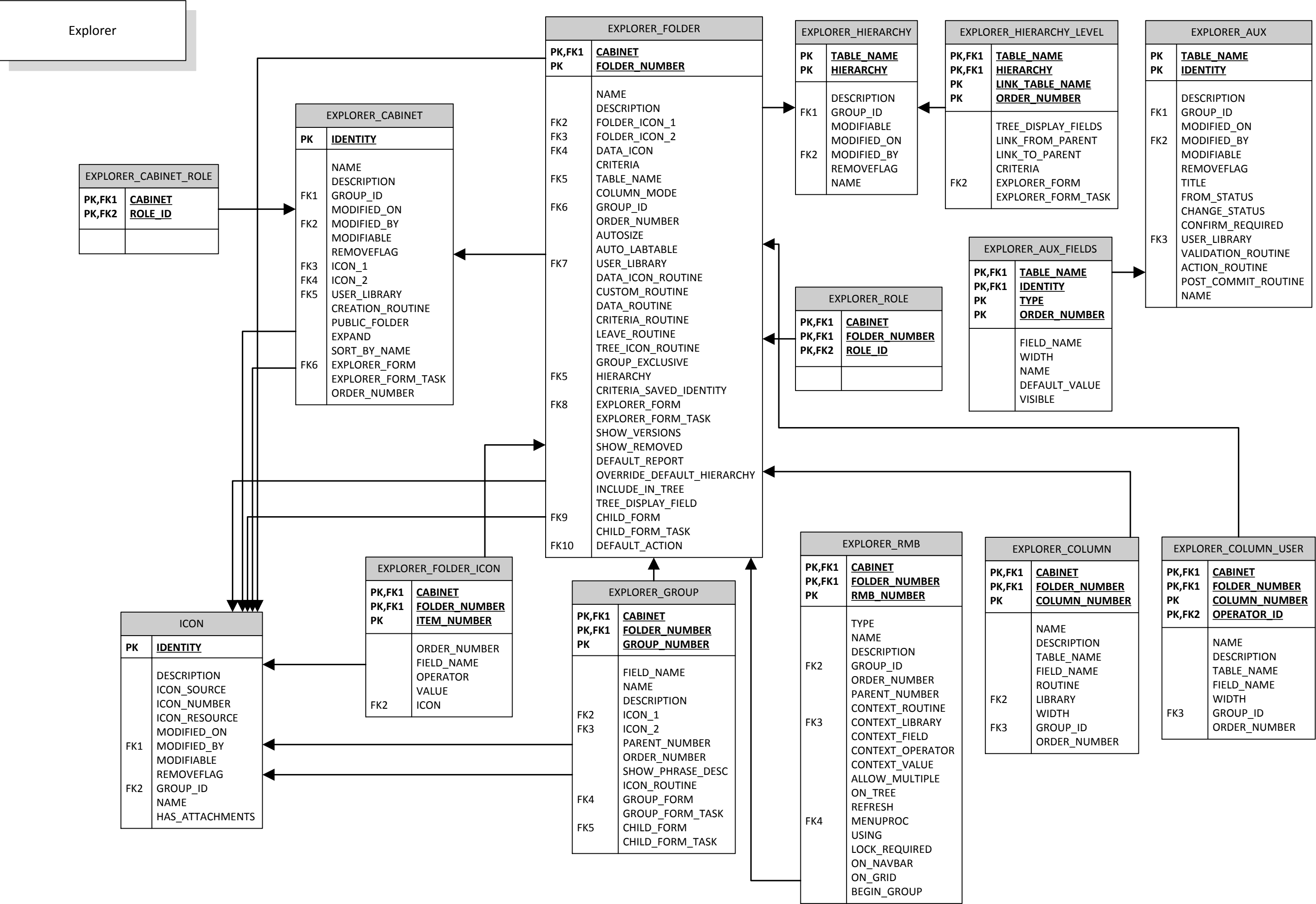


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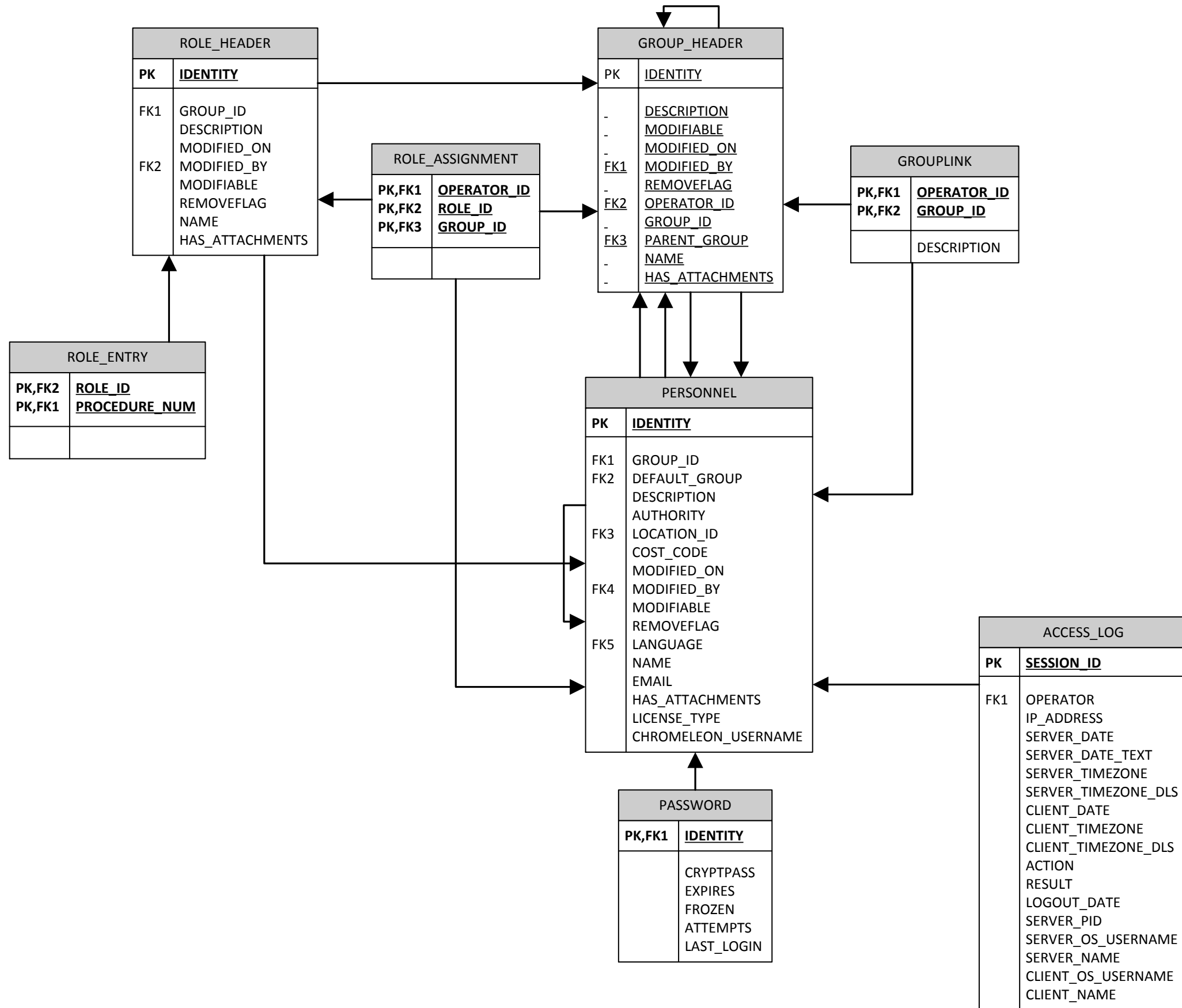


Forms





Security



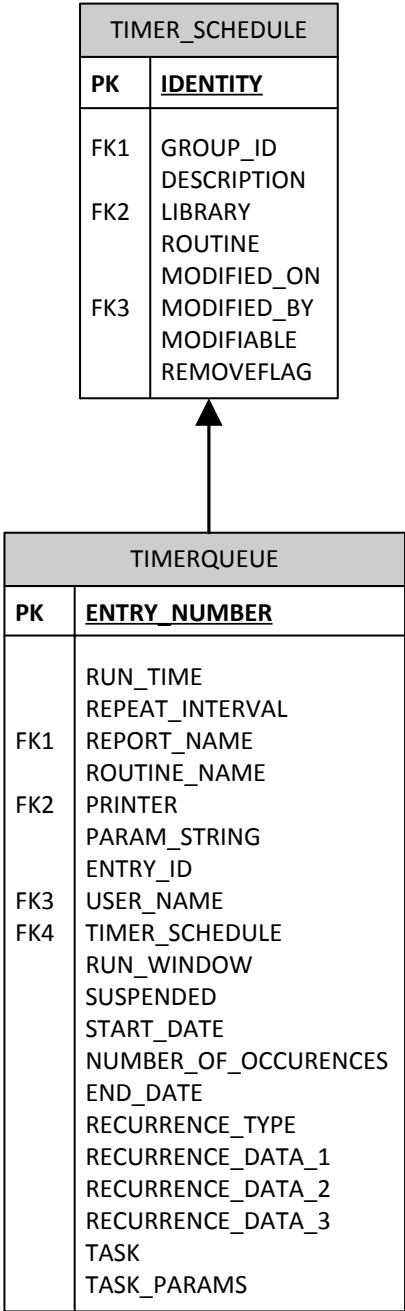
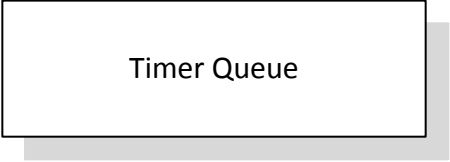
TAB_HEADER	
PK	NAME
FK1	DESCRIPTION
	GROUP_ID
FK2	MODIFIABLE
	MODIFIED_ON
	MODIFIED_BY
	REMOVEFLAG

TAB_GUI	
PK	IDENTITY
FK1	REPORT_TITLE
	GROUP_ID
FK2	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	REPORT_DISPLAY
	OUTPUT_FILE
	REPORT_TYPE
	PREVIEW_DATA
	COLUMN_SORT
	INCLUDE_AUDITS
	GROUPING_FIELD
	TABLESET
	SAMPLES_WITHOUT_TESTS
	OFF_SPEC_MARK_RESULTS
	COLOUR_OFF_SPEC_RESULTS
	OFF_SPEC_SYMBOL
	OFF_SPEC_COLOUR
	OFF_SPEC_COLOUR_HTML
	OFF_SPEC_STRIKETHROUGH
	OFF_SPEC_BOLD
	OFF_SPEC_ITALIC
	OFF_SPEC_UNDERLINED
	INCLUDE_OPER_AND_DATE
	INCLUDE_REPLICATES
	PREFIX_DATES

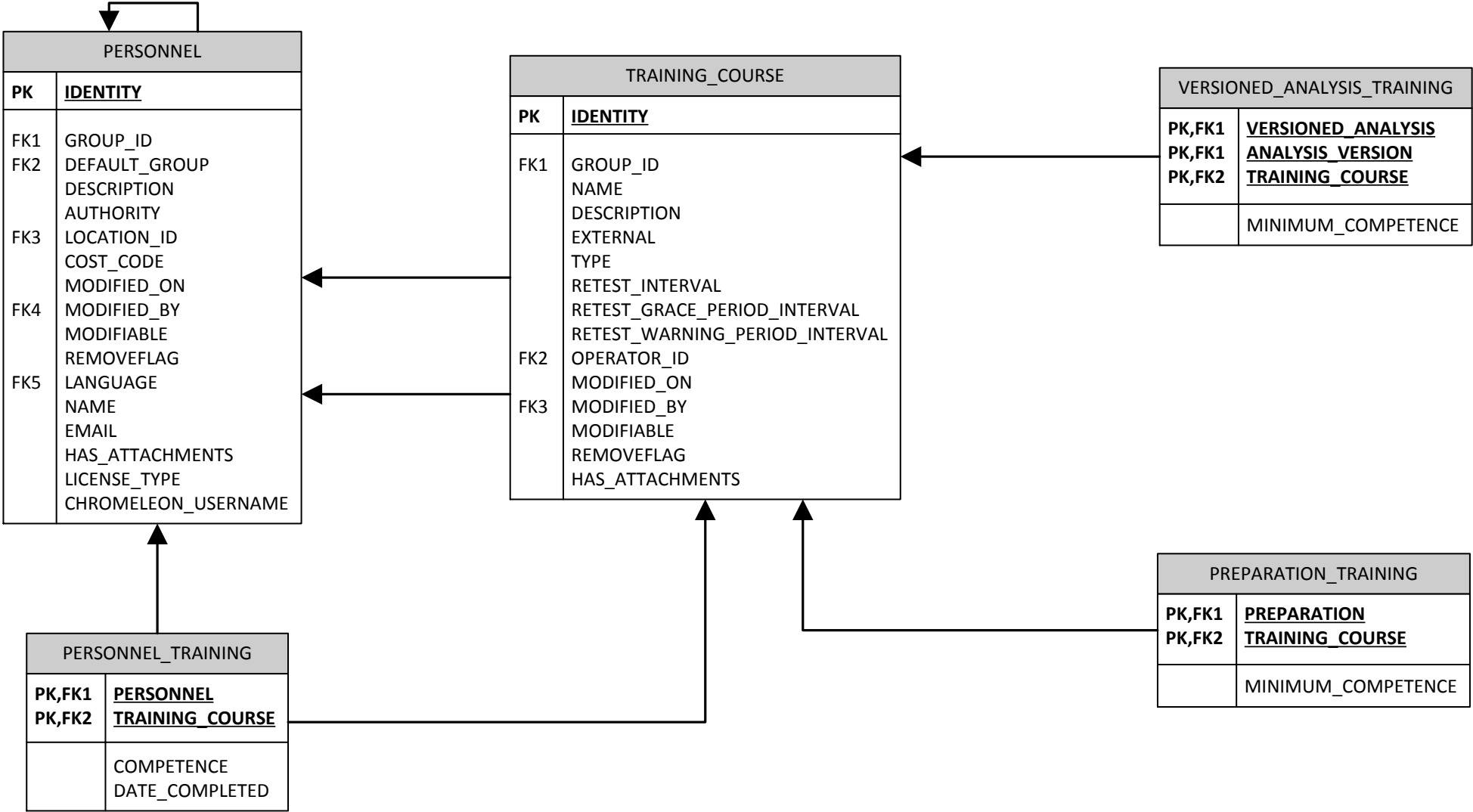
TAB_RESULT_CRITERIA	
PK,FK1	IDENTITY
PK	<u>ORDER_NUMBER</u>
	ANALYSIS_ID
	COMPONENT_ID
	WIDTH

TAB_CRITERIA	
PK,FK1	IDENTITY
PK	<u>TABLE_NAME</u>
PK	<u>ORDER_NUMBER</u>
	FIELD_NAME
	DISPLAY_NAME
	LINK_OPERATOR
	OPER
	FIELD_VALUE
	REPLICATE

TAB_OUTPUT_COLUMNS	
PK,FK1	IDENTITY
PK	<u>TABLE_NAME</u>
PK	<u>FIELD_NAME</u>
	ORDER_NUMBER
	USED
	COLUMN_TITLE
	WIDTH



Training Records



LIMSML_ENTITY_ACTION	
PK PK	<u>ENTITY ACTION</u>
FK1	DESCRIPTION GROUP_ID MODIFIABLE MODIFIED_ON MODIFIED_BY REMOVEFLAG RETURN_TYPE NAME
FK2	



LIMSML_ENTITY_PARAM	
PK,FK1 PK,FK1 PK	<u>ENTITY ACTION PARAMETER</u>
	IS_MANDATORY DESCRIPTION

WEB_MENU_SECTION	
PK PK	<u>IDENTITY SECTION</u>
FK1	DESCRIPTION GROUP_ID MODIFIABLE MODIFIED_ON MODIFIED_BY REMOVEFLAG ORDER_NUMBER NAME
FK2	
FK3	ICON VISIBLE ALWAYS_VISIBLE IMAGE_LINK INTRODUCTION SUMMARY SHOW_MENU_OPTIONS



WEB_MENU_ITEM	
PK,FK1 PK,FK1 PK	<u>IDENTITY SECTION ORDER_NUMBER</u>
FK2 FK3	NAME OPTION_NUMBER ICON SEPARATE_WINDOW TARGET

WEB_LINK	
PK	<u>IDENTITY</u>
FK1	DESCRIPTION GROUP_ID MODIFIABLE MODIFIED_ON MODIFIED_BY REMOVEFLAG NAME URL SEPARATE_WINDOW
FK2	

WEB_FAVORITE	
PK	<u>FAVORITE_GUID</u>
FK1	OPERATOR DISPLAY_NAME PARENT_FAVORITE_GUID FAVORITE_TYPE OPERATION

WEB_RECENT_ITEMS	
PK,FK1 PK	<u>OPERATOR DISPLAY_NAME</u>
	URL RECORD_TIMESTAMP



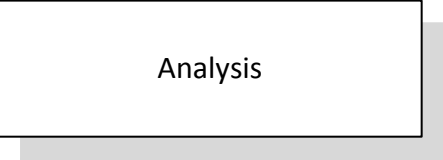
CALCULATION	
PK	<u>IDENTITY</u>
FK1	ANALYSIS_ID
	DESCRIPTION
	FORMULA
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	NAME
	HAS_ATTACHMENTS

CALC_FUNCTION	
PK	<u>IDENTITY</u>
FK1	LIBRARY
	ROUTINE
	FUNCTION_TYPE
	RETURN_DATA_TYPE
	DESCRIPTION
FK2	GROUP_ID
FK3	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	NAME
	HAS_ATTACHMENTS

CALC_FUNCTION_PARAMETER	
PK,FK1 PK	<u>CALC_FUNCTION</u> <u>PARAMETER</u>
	PARAMETER_ORDER
	DESCRIPTION
	DATA_TYPE

UNIT_HEADER	
PK	<u>IDENTITY</u>
FK1	SYSTEM
	CLASS
	QUANTITY
	DESCRIPTION
	DERIVATION
	COMPLEMENT
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG

UNIT_ALIAS	
PK,FK1 PK	<u>PARENT_ID</u> <u>IDENTITY</u>
	ORDER_NUMBER



VERSIONED_C_L_HEADER	
PK,FK1	<u>ANALYSIS</u>
PK,FK1	<u>ANALYSIS_VERSION</u>
PK	<u>COMP_LIST</u>
FK2	DESCRIPTION
	GROUP_ID

REPORT	
PK	<u>IDENTITY</u>
FK1	GROUP_ID
-	<u>TITLE</u>
-	<u>MODIFIED_ON</u>
FK2	<u>MODIFIED_BY</u>
-	<u>MODIFIABLE</u>
-	<u>REMOVEFLAG</u>
-	<u>NAME</u>
-	<u>HAS_ATTACHMENTS</u>

INSPECTION_HEADER	
PK	<u>IDENTITY</u>
FK1	GROUP_ID
FK2	DESCRIPTION
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	INSPECTION_TYPE
	NAME
	HAS_ATTACHMENTS

CERTIFICATE_TEMPLATE	
PK	<u>IDENTITY</u>
PK	<u>TYPE</u>
PK	<u>CERTIFICATE_VERSION</u>
FK1	DESCRIPTION
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
FK2	GROUP_ID
FK3	SYNTAX_ID
FK4	APPROVAL_REQD
	APPROVAL_STATUS
	INSPECTION_PLAN
	NAME
	HAS_ATTACHMENTS

CERT_SECTION_RESULT	
PK,FK3	<u>TEMPLATE</u>
PK,FK3	TEMPLATE_TYPE
PK,FK3	TEMPLATE_VERSION
PK	ORDER_NUMBER
PK,FK2	IDENTITY
FK4	TYPE
FK4	PRODUCT
FK4	PRODUCT_VERSION
FK5	ANALYSIS_ID
FK5	ANALYSIS_VERSION
	COMPONENT_NAME
	COMPONENT_TYPE
FK6	UNITS
	PLACES
	SIG_FIGS_NUMBER
	SIG_FIGS_ROUNDING
	SIG_FIGS_FILTER
FK7	LEVEL_ID
FK2,FK8	CRITERIA
	COLUMN_SOURCE
	COLUMN_NAME
	FILTER_LIBRARY
	FILTER_ROUTINE

VERSIONED_ANALYSIS	
PK	<u>IDENTITY</u>
PK	<u>ANALYSIS_VERSION</u>
FK1	GROUP_ID
FK2	ANALYSIS_TYPE
FK3	DESCRIPTION
FK3	INSTTYPE_ID
FK3	PREPARATION_ID
FK4	EXPECTED_TIME
	CHARGECODE
FK4	RESULT_SCREEN
FK5	MODIFIED_ON
FK5	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	CALCULATION
	REPLICATES
	ACCESS_FLAGS
	COMP_REPLICATES
	GENERIC_ANALYSIS
	APPROVAL_REQD
	ALLOW_CATEGORY
	APPROVAL_STATUS
FK6	INSPECTION_PLAN
	SAMPLING_PLAN_TYPE
	AUTO_VALIDATE
	INSTRUMENT_REQUIRED
	SOP_REFERENCE
	UNCERTAINTY_TEXT
	NAME
	ACTIVE
	ACTIVE_FROM
	ACTIVE_TO
	WORKFLOW_ID
	ENTITY_TEMPLATE_ID
	HAS_ATTACHMENTS
	LAB_METHOD_ID
	LAB_METHOD_VERSION

PREPARATION	
PK,FK1	<u>IDENTITY</u>
FK3	PREP_TYPE
	GROUP_ID
	EXPECTED_TIME
	COST_CODE
	WAIT_PREP
	DESCRIPTION
	MODIFIED_ON
FK2	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	APPROVAL_REQD
	NAME
	HAS_ATTACHMENTS

VERSIONED_ANALYSIS_TRAINING	
PK,FK1	<u>VERSIONED_ANALYSIS</u>
PK,FK1	<u>ANALYSIS_VERSION</u>
PK,FK2	<u>TRAINING_COURSE</u>
	MINIMUM_COMPETENCE

VERSIONED_ANALYSIS_STOCK_USE	
PK,FK1	<u>ANALYSIS</u>
PK,FK1	<u>ANALYSIS_VERSION</u>
PK,FK2	<u>STOCK</u>
FK3	CONSUMED_FLAG
	AMOUNT_REQUIRED
	UNIT

VERSIONED_COMPONENT	
PK,FK1	<u>ANALYSIS</u>
PK,FK1	<u>ANALYSIS_VERSION</u>
PK	<u>NAME</u>
FK2	ORDER_NUMBER
	RESULT_TYPE
	UNITS
	MINIMUM
	MAXIMUM
	TRUE_WORD
	FALSE_WORD
	ALLOWED_CHARACTERS
	CALCULATION
	PLACES
	REP_CONTROL
	REPLICATES
FK3	SIG_FIGS_NUMBER
	SIG_FIGS_ROUNDING
FK3	SIG_FIGS_FILTER
FK4	MINIMUM_PQL
	MAXIMUM_PQL
	PQL_CALCULATION
	FORMULA
	MATRIX_NO
	MATRIX_NAME
	COLUMN_NO
	COLUMN_NAME
	ROW_NO
	ROW_NAME
	UNCERTAINTY_TEXT
	ENTITY_CRITERIA

INSTRUMENT_TEMPLATE	
PK	<u>IDENTITY</u>
FK1	NAME
	GROUP_ID
	DESCRIPTION
	MODIFIABLE
FK2	MODIFIED_ON
	MODIFIED_BY
	REMOVEFLAG
	INSTRUCTIONS
	SOP_REFERENCE
FK3	MANUFACTURER
FK4	OPERATOR_ID
	REQUIRES_CALIBRATION
	CALIBRATION_PLAN
FK5	CALIB_CONTRACTOR
	CALIB_LEAD_TIME
FK6	CALIB_SAMPLE_TEMPLATE
	REQUIRES_SERVICING
	SERVICE_INTV
FK7	SERVICE_CONTRACTOR
	SERVICE_LEAD_TIME
	HAS_ATTACHMENTS

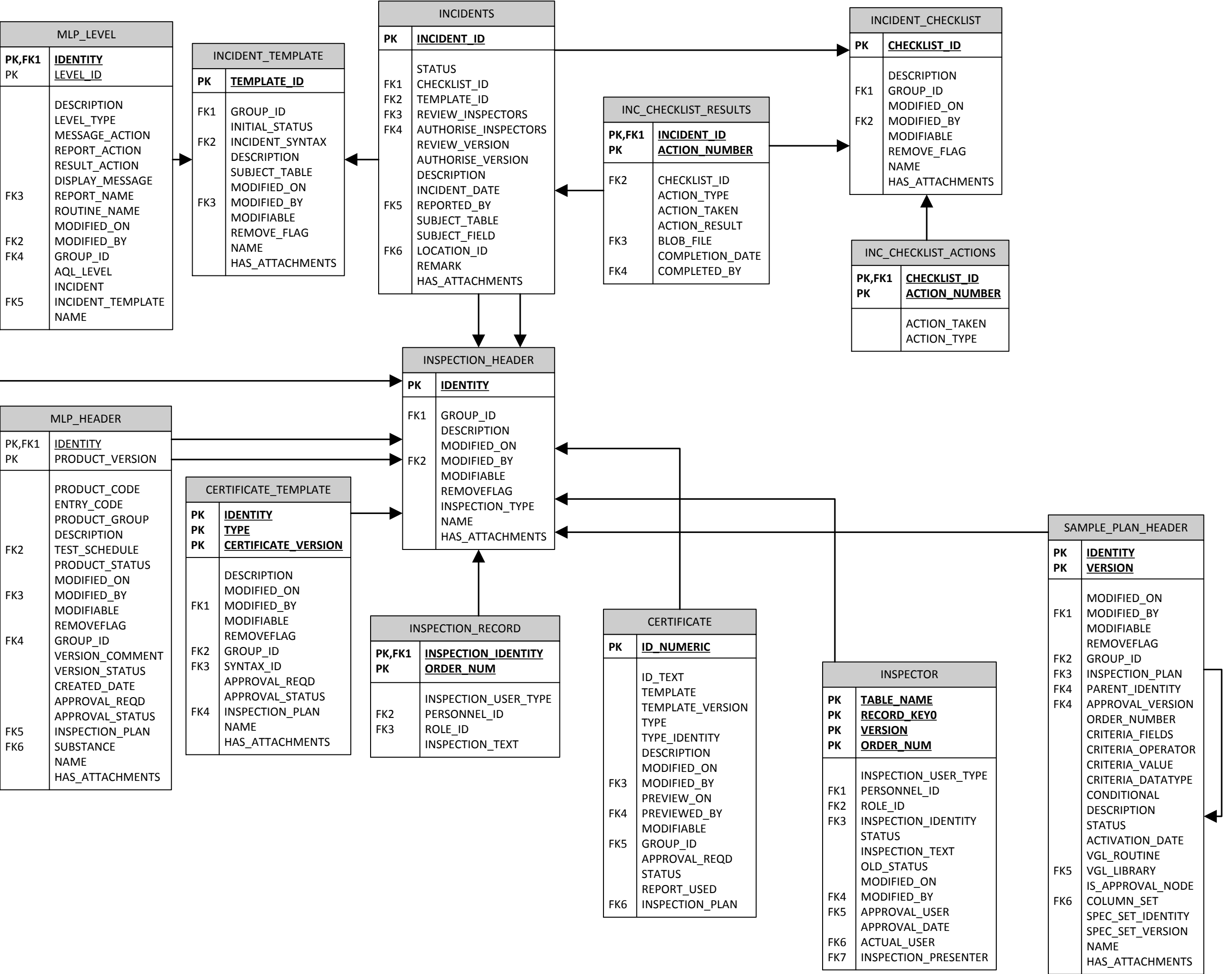
UNIT_HEADER	
PK	<u>IDENTITY</u>
	SYSTEM
	CLASS
	QUANTITY
	DESCRIPTION
	DERIVATION
	COMPLEMENT
FK1	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG

UNIT_ALIAS	
PK,FK1	<u>PARENT_ID</u>
PK	<u>IDENTITY</u>
	ORDER_NUMBER

VERSIONED_CATEGORY_COMPONENT	
PK	<u>NAME</u>
FK1	RESULT_TYPE
FK2	UNITS
	PQL_CALCULATION
	FORMULA
	ORDER_NUMBER

LIMIT_CALCULATION	
PK	<u>IDENTITY</u>
FK1	DESCRIPTION
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	HAS_ATTACHMENTS

Inspection and Incidents



Instruments

INSTRUMENT_PROPERTY	
PK,FK1 PK	INSTRUMENT IDENTITY
FK2	PROPERTY_TYPE VALUE UNITS MODIFIED_ON MODIFIED_BY

INSTRUMENT_CALIB_SAMPLE	
PK,FK1 PK	INSTRUMENT ORDER_NUM
FK2	SAMPLE MODIFIED_ON MODIFIED_BY

INSTRUMENT_EVENT	
PK,FK1 PK	INSTRUMENT IDENTITY
FK2	EVENT_TYPE COMMENTS ENTERED_ON ENTERED_BY

INSTRUMENT_TRAINING	
PK,FK1 PK,FK2	INSTRUMENT TRAINING_COURSE
	MINIMUM_COMPETENCE

INSTRUMENT	
PK	IDENTITY
FK1	GROUP_ID DESCRIPTION MODIFIABLE MODIFIED_ON REMOVEFLAG MANUFACTURER INSTRUMENT_TEMPLATE SERIAL_NO INSTRUCTIONS LOCATION_ID SOP_REFERENCE AVAILABLE RETIRED
FK2	OPERATOR_ID DATE_INSTALLED CALIBRATION_PLAN CALIB_SAMPLE_TEMPLATE REQUIRES_CALIBRATION LAST_CALIB_DATE NEXT_CALIB_DATE CALIB_CONTRACTOR CALIB_LEAD_TIME CALIBRATION_SAMPLE REQUIRES_SERVICING LAST_SERVICE_DATE NEXT_SERVICE_DATE SERVICE_CONTRACTOR SERVICE_LEAD_TIME SERVICE_INTV SERVICE_DATE SERVICE_TQE WORKFILE SERVER APPROVAL_REQD CHANNEL STATUS CALIB_DATE CALIB_INTV CALIB_TQE WORKSTATION_NAME COMM_PORT COMM_BAUD COMM_PARITY COMM_DATABITS COMM_STOPBITS COMM_SEND_STRING COMM_TIMEOUT COMM_PREAMBLE COMM_POSTAMBLE NAME INSTTYPE_ID HAS_ATTACHMENTS INSTRUMENT_CATEGORY LAB_DATA_SOURCE_ID LAB_DATA_SOURCE_VERSION LAB_PARSING_SCRIPT_ID LAB_PARSING_SCRIPT_VERSION VARIABLE_ALIAS_ID VARIABLE_ALIAS_VERSION VALUE_ALIAS_ID VALUE_ALIAS_VERSION
FK3	
FK4	
FK5	
FK6	
FK7	
FK8	
FK9	
FK10	

INSTRUMENT_PART_LINK_TEMPLATE	
PK,FK1 PK,FK2 PK	INSTRUMENT_TEMPLATE INSTRUMENT_PART_TEMPLATE ORDER_NUMBER
	MANDATORY

INSTRUMENT_TEMPLATE	
PK	IDENTITY
FK1	NAME GROUP_ID DESCRIPTION MODIFIABLE MODIFIED_ON REMOVEFLAG INSTRUCTIONS SOP_REFERENCE MANUFACTURER OPERATOR_ID REQUIRES_CALIBRATION CALIBRATION_PLAN CALIB_CONTRACTOR CALIB_LEAD_TIME CALIB_SAMPLE_TEMPLATE REQUIRES_SERVICING SERVICE_INTV SERVICE_CONTRACTOR SERVICE_LEAD_TIME HAS_ATTACHMENTS
FK2	
FK3	
FK4	
FK5	
FK6	
FK7	

INSTRUMENT_PROPERTY_TEMPLATE	
PK,FK1 PK	INSTRUMENT_TEMPLATE IDENTITY
FK2	PROPERTY_TYPE VALUE UNITS

INSTRUMENT_PART_TEMPLATE	
PK	IDENTITY
FK1	NAME GROUP_ID DESCRIPTION MODIFIABLE MODIFIED_ON REMOVEFLAG INSTRUCTIONS SOP_REFERENCE OPERATOR_ID REQUIRES_CALIBRATION CALIBRATION_PLAN CALIB_CONTRACTOR CALIB_LEAD_TIME REQUIRES_SERVICING SERVICE_INTERVAL SERVICE_CONTRACTOR SERVICE_LEAD_TIME HAS_ATTACHMENTS
FK2	
FK3	
FK4	
FK5	
FK6	

INSTRUMENT_PART_LINK	
PK,FK1 PK,FK2,I1 PK	IDENTITY INSTRUMENT_PART ORDER_NUMBER
FK3	INSTRUMENT_PART_TEMPLATE MANDATORY

INSTRUMENT_PART	
PK	IDENTITY
FK1	NAME GROUP_ID DESCRIPTION MODIFIABLE MODIFIED_ON REMOVEFLAG STATUS MANUFACTURER TEMPLATE SERIAL_NO INSTRUCTIONS LOCATION_ID AVAILABLE RETIRED
FK2	OPERATOR_ID DATE_INSTALLED DATE_ASSIGNED SOP_REFERENCE REQUIRES_CALIBRATION CALIBRATION_PLAN LAST_CALIB_DATE NEXT_CALIB_DATE CALIB_CONTRACTOR CALIB_LEAD_TIME REQUIRES_SERVICING SERVICE_INTERVAL LAST_SERVICE_DATE NEXT_SERVICE_DATE SERVICE_CONTRACTOR SERVICE_LEAD_TIME HAS_ATTACHMENTS
FK3	
FK4	
FK5	
FK6	
FK7	
FK8	

INSTRUMENT_PART_EVENT	
PK,FK1 PK	INSTRUMENT_PART IDENTITY
FK2	EVENT_TYPE COMMENTS ENTERED_ON ENTERED_BY

SUPPLIER	
PK	IDENTITY
FK1	GROUP_ID NAME DESCRIPTION ADDRESS1 ADDRESS2 CITY STATE_COUNTY ZIP_POSTALCODE COUNTRY FAX EMAIL WEB_PAGE PHONE_NUM CONTACT RATING CATEGORY MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG HAS_ATTACHMENTS
FK2	

MLPs

MLP_FAMILY_HEADER	
PK	<u>FAMILY_NAME</u>
FK1	FAMILY_DESCRIPTION
FK2	GROUP_ID
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	NAME

MLP_FAMILY	
PK,FK1	<u>FAMILY_NAME</u>
PK	<u>MLP_ID</u>
	ORDER_NUM

MLP_SCHEDULE	
PK,FK1	<u>IDENTITY</u>
PK,FK1	<u>IDENTITY_VERSION</u>
PK,FK2	<u>MLP_ID</u>
FK2	MLP_VERSION
	ORDER_NUM

MLP_ANALYSIS	
PK,FK1	<u>PRODUCT_ID</u>
PK,FK1	<u>PRODUCT_VERSION</u>
PK	<u>ANALYSIS_ID</u>
	SAMPLING_INSP_LEVEL
	INSPECTION_LEVEL
	ORDER_NUMBER

MLP_COMPONENTS	
PK,FK1	<u>PRODUCT_ID</u>
PK,FK1	<u>PRODUCT_VERSION</u>
PK	<u>ANALYSIS_ID</u>
PK	<u>COMPONENT_NAME</u>
FK2	PRODUCT_NUMBER
	COMPONENT_TYPE
	UNITS
	PLACES
	TYPICAL_TEXT
	ENTRY_CODE
	ORDER_NUM

UNIT_HEADER	
PK	<u>IDENTITY</u>
FK1	SYSTEM
	CLASS
	QUANTITY
	DESCRIPTION
	DERIVATION
	COMPLEMENT
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG

SUBSTANCE	
PK,FK1	<u>IDENTITY</u>
FK2	GROUP_ID
	DESCRIPTION
	NAME
	MSDS
	HEALTH
	FLAMMABILITY
	INSTABILITY
	SPECIAL
	HANDLING_INSTRUCTIONS
	STORAGE_INSTRUCTIONS
	DISPOSAL_INSTRUCTIONS
	MODIFIED_ON
	MODIFIABLE
	REMOVEFLAG
	DEFINITION_TYPE
	GHS_SIGNAL_WORD
	SDS
	HAS_ATTACHMENTS

MLP_HEADER	
PK,FK1	<u>IDENTITY</u>
PK	<u>PRODUCT_VERSION</u>
FK2	PRODUCT_CODE
	ENTRY_CODE
	PRODUCT_GROUP
	DESCRIPTION
	TEST_SCHEDULE
	PRODUCT_STATUS
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	GROUP_ID
	VERSION_COMMENT
	VERSION_STATUS
	CREATED_DATE
	APPROVAL_REQD
	APPROVAL_STATUS
	INSPECTION_PLAN
	SUBSTANCE
	NAME
	HAS_ATTACHMENTS

TEST_SCHED_HEADER	
PK,FK1	<u>IDENTITY</u>
FK2	DESCRIPTION
	MODIFIABLE
	MODIFIED_ON
	MODIFIED_BY
	REMOVEFLAG
	GROUP_ID
	NAME
	HAS_ATTACHMENTS

MLP_LEVEL	
PK,FK1	<u>IDENTITY</u>
PK	<u>LEVEL_ID</u>
FK3	DESCRIPTION
	LEVEL_TYPE
	MESSAGE_ACTION
	REPORT_ACTION
	RESULT_ACTION
	DISPLAY_MESSAGE
	REPORT_NAME
	ROUTINE_NAME
	MODIFIED_ON
	MODIFIED_BY
	GROUP_ID
	AQL_LEVEL
	INCIDENT
	INCIDENT_TEMPLATE
	NAME

MLP_VALUES	
PK,FK1	<u>IDENTITY</u>
PK	<u>ENTRY_CODE</u>
PK,FK1,FK2	<u>LEVEL_ID</u>
FK3	MIN_LIMIT
	MAX_LIMIT
	TEXT_SPEC
	CALCULATION
	TEXT_PHRASE
	BOOLEAN_PASS
	AQL_VALUE

LIMIT_PHRASE_HEADER	
PK	<u>IDENTITY</u>
FK1	GROUP_ID
-	DESCRIPTION
-	MODIFIED_ON
-	MODIFIED_BY
-	MODIFIABLE
-	REMOVEFLAG
-	PHRASE_LINK
-	DEFAULT_COMPARISON
-	NAME

INCIDENT_TEMPLATE	
PK	<u>TEMPLATE_ID</u>
FK1	GROUP_ID
	INITIAL_STATUS
	INCIDENT_SYNTAX
	DESCRIPTION
	SUBJECT_TABLE
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVE_FLAG
	NAME
	HAS_ATTACHMENTS

LIMIT_CALCULATION	
PK	<u>IDENTITY</u>
FK1	DESCRIPTION
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	HAS_ATTACHMENTS

LIMIT_PHRASE_ENTRY	
PK,FK1	<u>LIMIT_PHRASE</u>
PK	<u>RESULT_VALUE</u>
	ORDER_NUMBER
	COMPARISON

Standards

ANAL_WORKS_TEMPL	
PK	TEMPLATE_ID
FK1	GROUP_ID
	DESCRIPTION
FK2	STATUS
	DATE_APPROVED
FK3	APPROVER_ID
	SAMPLE_SOURCE
FK4	MIN_SAMPLES
	EDIT_SAMPLES_LIST
FK5	SAMPLE_SORT
	RANDOM_CONTROL
FK6	RANDOM_CONTROL_ID
	NUMBER_RANDOMS
FK7	ASSIGN_OPERATOR
	MODIFIABLE
FK8	MODIFIED_ON
	REMOVEFLAG
FK9	GENERIC_ANALYSIS
	TEST_SESSIONS
FK10	COMP_REP_FLAG
	PRINT_BARCODES
FK11	RESULT_SPACE
	AUTO_PRINT
FK12	PRINTER_ID
	REVIEW_REQUIRED
FK13	CALIBN_REQUIRED
	CONTRL_REQUIRED
FK14	DEFAULT_OPERATOR

BATCH_TMPL_HEADER	
PK	IDENTITY
FK1	GROUP_ID
	DESCRIPTION
FK2	ANALYSIS
	LIMITS
FK3	BATCH_CLASS
	MODIFIED_ON
FK4	MODIFIED_BY
	MODIFIABLE
FK5	REMOVEFLAG
	SYNTAX
FK6	EDIT_CRITERIA
	MINIMUM_SAMPLES
FK7	MAXIMUM_SAMPLES
	AUTOMATIC_SELECT
FK8	EDIT_LIST
	RANDOM_CONTROL
FK9	RANDOM_NUMBER
	PRINT_ON_CREATION
FK10	PRINTER
	COMPRESSION
FK11	NAME
	HAS_ATTACHMENTS
FK12	RACK_TEMPLATE_ID
	RACK_TEMPLATE_VERSION
FK13	AUTOMATIC_SELECT
	STANDARDS

BATCH_TMPL_ENTRY	
PK,FK1 PK	IDENTITY ORDER_NUMBER
FK2	TYPE
	REPEAT_COUNT
FK3	PARENT
	LIMIT
FK4	STANDARD
	COMPONENT_LIST
FK5	SECTION

STANDARD	
PK	IDENTITY
FK1	CATEGORY
	GROUP_ID
FK2	STANDARD_TYPE
	STANDARD_NAME
FK3	EXPIRY_TYPE
	LIFETIME
FK4	MAXIMUM_USAGE
	INTERNAL_EXTERNAL
FK5	DESCRIPTION
	MODIFIABLE
FK6	MODIFIED_ON
	MODIFIED_BY
FK7	REMOVEFLAG
	PRODUCT_ID
FK8	TEMPLATE_ID
	SUBSTANCE
FK9	NAME
	HAS_ATTACHMENTS
FK10	WORKFLOW_NODE_CONTROL

SUBSTANCE	
PK,FK1	IDENTITY
FK2	GROUP_ID
	DESCRIPTION
FK3	NAME
	MSDS
FK4	HEALTH
	FLAMMABILITY
FK5	INSTABILITY
	SPECIAL
FK6	HANDLING_INSTRUCTIONS
	STORAGE_INSTRUCTIONS
FK7	DISPOSAL_INSTRUCTIONS
	MODIFIED_ON
FK8	MODIFIABLE
	REMOVEFLAG
FK9	DEFINITION_TYPE
	GHS_SIGNAL_WORD
FK10	SDS
	HAS_ATTACHMENTS

SAMP_TMPL_HEADER	
PK	IDENTITY
FK1	DESCRIPTION
	MODIFIED_ON
FK2	MODIFIED_BY
	MODIFIABLE
FK3	REMOVEFLAG
	GROUP_ID
FK4	LOGIN_TITLE
	SAMPLE_STATUS
FK5	SYNTAX_ID
	EDIT_TESTS
FK6	TEST_ASSIGNMENT
	RECEIPT_ACTION
FK7	LABEL_ACTION
	WSHT_ACTION
FK8	LABEL_ID
	RECEIPT_ID
FK9	WSHT_ID
	LABEL_PRINTER
FK10	RECEIPT_PRINTER
	WSHT_PRINTER
FK11	AUTO_WKS
	ACTION_TYPE
FK12	SUPERTEMPLATE
	LABEL_TEMPLATE
FK13	NAME
	WORKFLOW
FK14	HAS_ATTACHMENTS

SAMPLE	
PK	ID_NUMERIC
FK1	ID_TEXT
	JOB_NAME
FK2	STATUS
	OLD_STATUS
FK3	COMPARED
	ON_SPEC
FK4	RE_SAMPLED
	ORIGINAL_SAMPLE
FK5	LINK_NUMBER
	LOGIN_DATE
FK6	LOGIN_BY
	SAMPLED_DATE
FK7	RECD_DATE
	DATE_STARTED
FK8	STARTER
	DATERESREQ
FK9	DATE_COMPLETED
	COMPLETER
FK10	DATERESAVAIL
	DATE_AUTHORISED
FK11	AUTHORISER
	AUTHORISATION_NOTES
FK12	PRODUCT
	PRODUCT_VERSION
FK13	GRADE_CODE
	TESTS_TO_DO
FK14	ON_WKS
	PROJECT_ID
FK15	BATCH_NAME
	SAMPLING_POINT
FK16	SAMPLE_TYPE
	SAMPLE_NAME
FK17	DESCRIPTION
	PREPARATION
FK18	HAZARD
	PRIORITY
FK19	LOCATION_ID
	CUSTOMER_ID
FK20	INVOICE_NUMBER
	TEST_SCHEDULE
FK21	TEMPLATE_ID
	COMP_PROD_NAME
FK22	COMP_PROD_VER
	COMP_PROD_GRADE
FK23	STANDARD
	STANDARD_ID
FK24	STANDARD_VERSION
	INSPECTION_HEADER
FK25	STANDARD_TYPE
	BATCH_ID
FK26	DYNAMIC_PRODUCT
	TOTAL_ELEMENTS
FK27	SAMPLING_PROCEDURE
	REPLICATE_LINK_NO
FK28	AUTO_VALIDATE
	HAS_INCIDENTS
FK29	CERTIFICATE
	SUBSTANCE
FK30	WORKFLOW_NODE
	IS_SPLIT
FK31	IS_COMPOSITE
	HAS_SPLIT
FK32	HAS_COMPOSITE
	COMPOSITE_STATUS
FK33	ENTITY_TEMPLATE_ID
	ENTITY_TEMPLATE_VERSION
FK34	HAS_ATTACHMENTS
	COMMENTS
FK35	LAB_METHOD_ID
	LAB_METHOD_VERSION
FK36	LAB_METHOD_OUTSTANDING
	LAB_EXECUTION_ID

UNIT_HEADER	
PK	IDENTITY
FK1	SYSTEM
	CLASS
FK2	QUANTITY
	DERIVATION
FK3	COMPLEMENT
	MODIFIED_ON
FK4	MODIFIED_BY
	MODIFIABLE
FK5	REMOVEFLAG

STANDARD_CONCENTRATION	
PK,FK1 PK,FK1 PK	IDENTITY VERSION NAME
FK2	ORDER_NUMBER
	AMOUNT
FK3	UNITS

STANDARD_VERSIONS	
PK,FK1 PK	IDENTITY VERSION
FK2	STATUS
	EXPIRY_TYPE
FK3	LIFETIME
	CREATION_DATE
FK4	EXPIRY_DATE
	USAGE_COUNT
FK5	MAXIMUM_USAGE
	AMMOUNT_MADE
FK6	VERSION_COMMENT

Stock
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STOCK_ORDER_ITEM	
PK,FK1 PK	<u>STOCK ORDER NUMBER</u> <u>ITEM NUMBER</u>
FK2	STOCK SUPPLIER_CODE SUPPLIER_DESCRIPTION SUPPLIER_QUANTITY SUPPLIER_UNIT NUMBER_ORDERED QUANTITY_ORDERED UNIT RECEIVED QUANTITY_RECEIVED BATCH EXPIRY_DATE LOCATION COST

STOCK	
PK	<u>IDENTITY</u>
FK1	NAME DESCRIPTION GROUP_ID STOCK_TYPE
FK2	OPERATOR_ID
FK3	DEFAULT_LOCATION
FK4	STOCK_BATCH_LABEL_TEMPLATE
FK5	SUBSTANCE
FK6	TRACK_INVENTORY
FK7	TARGET_AMOUNT INVENTORY_UNIT
FK8	PREFERRED_SUPPLIER PREFERRED_ORDER_AMOUNT PREFERRED_ORDER_UNIT SHELF_LIFE REORDER_ON_SHELF_LIFE REORDER_AMOUNT REORDER_ON_AMOUNT REORDER_PERCENTAGE REORDER_ON_PERCENTAGE REORDER_UNIT MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG HAS_ATTACHMENTS STANDARD
FK9	
FK10	
FK11	

VERSIONED_ANALYSIS_STOCK_USE	
PK,FK1 PK,FK1 PK,FK2	<u>ANALYSIS</u> <u>ANALYSIS_VERSION</u> <u>STOCK</u>
FK3	CONSUMED_FLAG AMOUNT_REQUIRED UNIT

LABEL_TEMPLATE	
PK	<u>IDENTITY</u>
FK1	NAME GROUP_ID DESCRIPTION DATA_ENTITY_DEFINITION MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG HAS_ATTACHMENTS
FK2	

STOCK_ORDER	
PK	<u>STOCK ORDER NUMBER</u>
FK1	DESCRIPTION ORDER_DATE ESTIMATED_DELIVERY_DATE RECEIVED_DATE SUPPLIER PURCHASE_REQUISITION STATUS MODIFIED_ON MODIFIED_BY TOTAL_COST COST_OVERRIDE
FK2	

SUBSTANCE	
PK,FK1	<u>IDENTITY</u>
FK2	GROUP_ID DESCRIPTION NAME MSDS HEALTH FLAMMABILITY INSTABILITY SPECIAL HANDLING_INSTRUCTIONS STORAGE_INSTRUCTIONS DISPOSAL_INSTRUCTIONS MODIFIED_ON MODIFIABLE REMOVEFLAG DEFINITION_TYPE GHS_SIGNAL_WORD SDS HAS_ATTACHMENTS

SUPPLIER	
PK	<u>IDENTITY</u>
FK1	GROUP_ID NAME DESCRIPTION ADDRESS1 ADDRESS2 CITY STATE_COUNTY ZIP_POSTALCODE COUNTRY FAX EMAIL WEB_PAGE PHONE_NUM CONTACT RATING CATEGORY MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG HAS_ATTACHMENTS
FK2	

SUPPLIER_DETAIL	
PK,FK1 PK,FK2 PK	<u>SUPPLIER</u> <u>STOCK</u> <u>SUPPLIER_CODE</u>
FK3	LEAD_TIME SUPPLIER_DESCRIPTION SUPPLIER_QUANTITY SUPPLIER_UNIT COST

STOCK_PROPERTY	
PK,FK1 PK	<u>STOCK</u> <u>IDENTITY</u>
FK2	VALUE UNITS

STOCK_BATCH	
PK,FK1 PK	<u>STOCK</u> <u>STOCK_BATCH</u>
FK2	STOCK_BATCH_ID STOCK_ORDER SOURCE_STOCK_BATCH_ID STATUS DESCRIPTION LOCATION SUPPLIER BATCH EXPIRY_DATE INITIAL_AMOUNT UNIT DATE_CREATED CREATED_BY MODIFIED_ON MODIFIED_BY REMOVEFLAG HAS_ATTACHMENTS STANDARD_ID STANDARD_VERSION
FK3	
FK4	
FK5	
FK6	
FK7	
FK8	

STOCK_INVENTORY	
PK,FK1 PK,FK1 PK	<u>STOCK</u> <u>STOCK_BATCH</u> <u>ORDER_NUMBER</u>
FK2	STOCK_BATCH_ID USE_TYPE TEST SOURCE_STOCK_BATCH_ID COMMENTS CONSUMED_FLAG AMOUNT UNIT DATE_CREATED CREATED_BY MODIFIED_ON MODIFIED_BY
FK3	
FK4	
FK5	

STOCK_BATCH_PROPERTY	
PK,FK1 PK,FK1 PK	<u>STOCK</u> <u>STOCK_BATCH</u> <u>IDENTITY</u>
FK2	VALUE UNITS

SUBSTANCE_GHS_HAZARD	
PK,FK1 PK	<u>SUBSTANCE</u> <u>ORDER_NUMBER</u>
	GHS_HAZARD

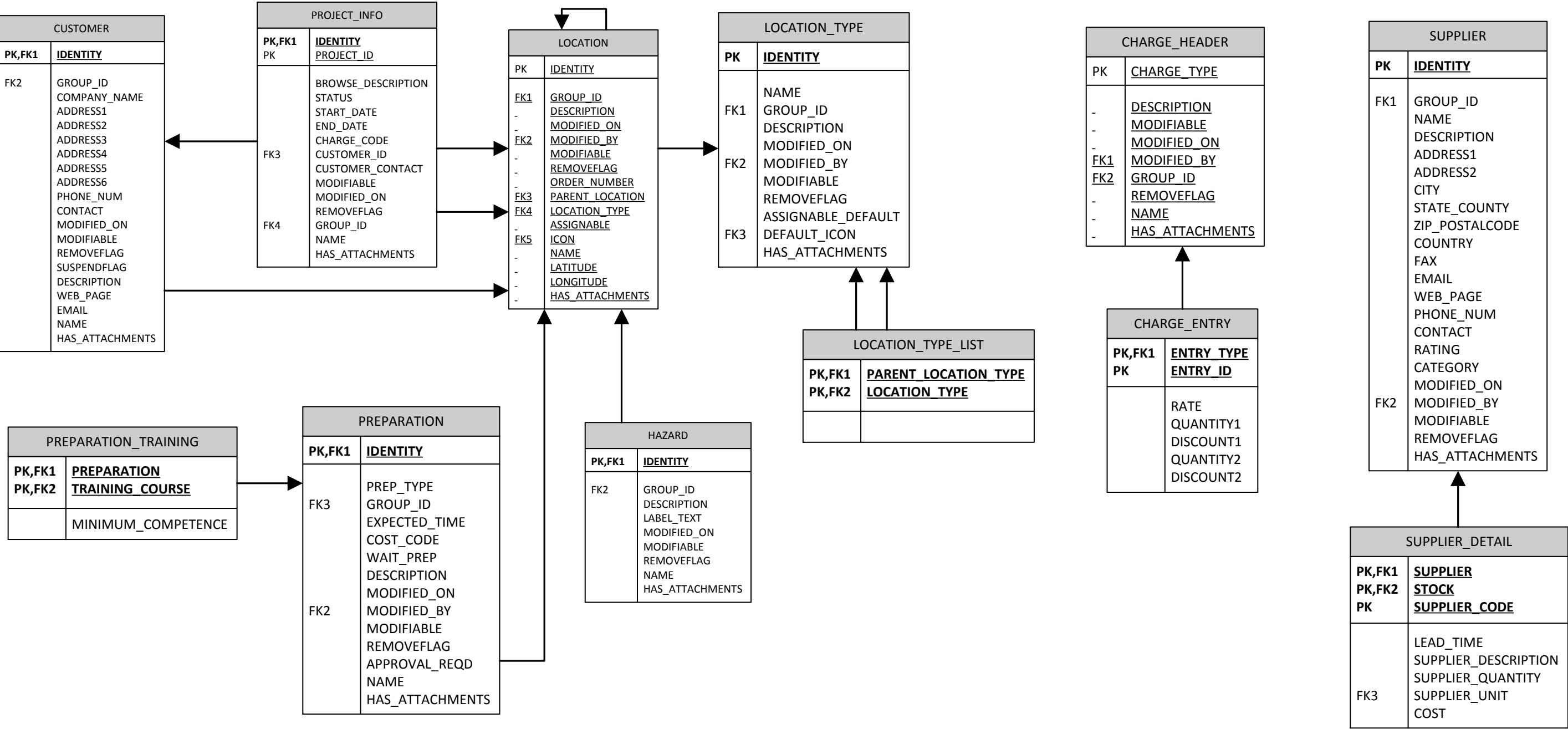
SUBSTANCE_GHS_PICTOGRAM	
PK,FK1 PK	<u>SUBSTANCE</u> <u>ORDER_NUMBER</u>
	PICTOGRAM

SUBSTANCE_GHS_PRECAUTIONARY	
PK,FK1 PK	<u>SUBSTANCE</u> <u>ORDER_NUMBER</u>
	PRECAUTION

SUBSTANCE_HAZARD	
PK,FK1 PK	<u>SUBSTANCE</u> <u>ORDER_NUMBER</u>
	HAZARD

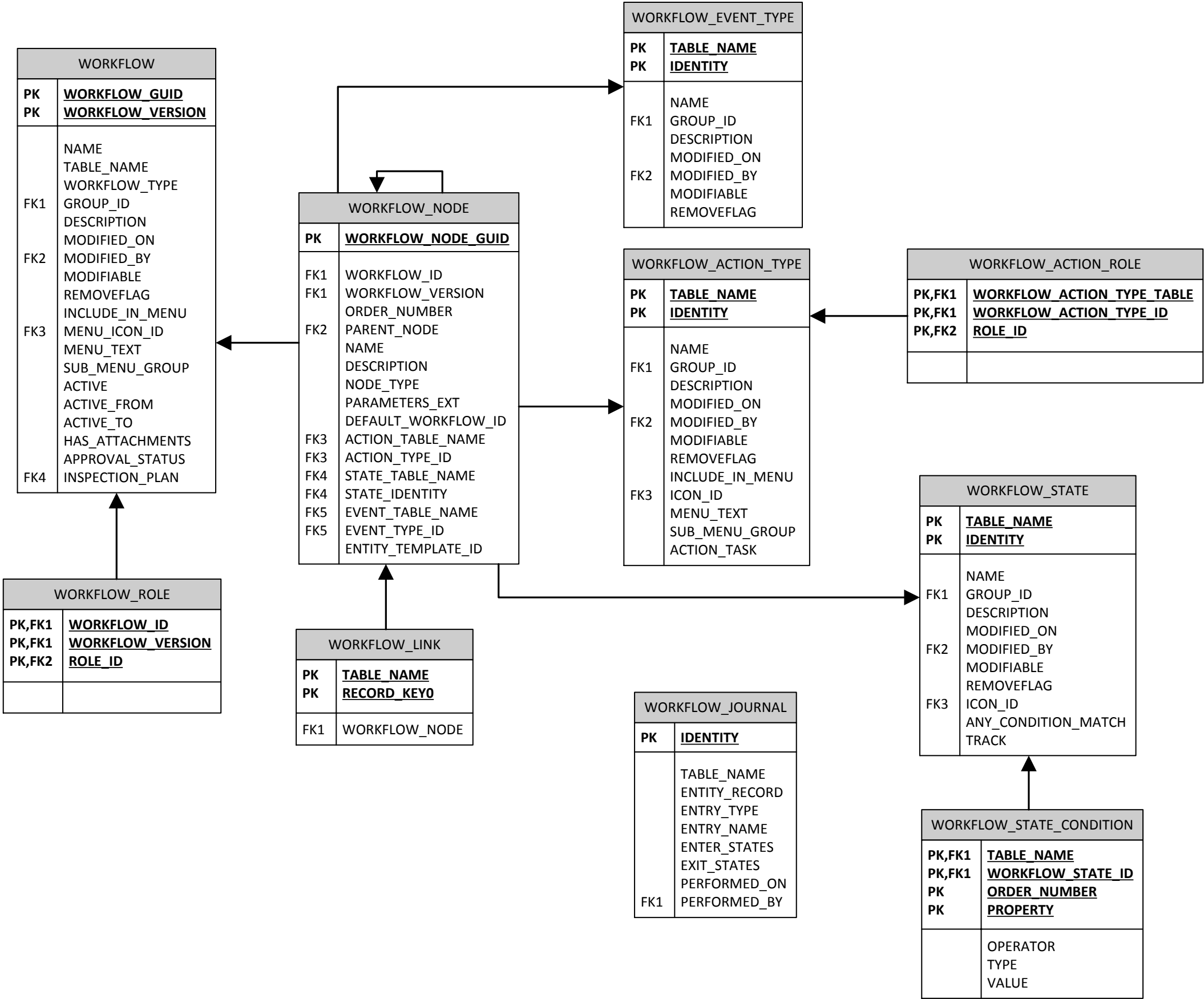
SUBSTANCE_RISK	
PK,FK1 PK	<u>SUBSTANCE</u> <u>ORDER_NUMBER</u>
	RISK

SUBSTANCE_SAFETY	
PK,FK1 PK	<u>SUBSTANCE</u> <u>ORDER_NUMBER</u>
	SAFETY





Workflow



Chromeleon Link

CHROMELEON_PROPERTY	
PK,FK1 PK	<u>CHROMELEON_ID</u> <u>ORDER_NUMBER</u>
	ENTITY PROPERTY TABLE_NAME FIELD_NAME EXPRESSION

CHROMELEON	
PK	<u>IDENTITY</u>
FK1	NAME GROUP_ID DESCRIPTION MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG WEB_API_SERVER WEB_API_PORT WEB_API_PATH WEB_API_TIMEOUT WEB_API_USE_SSL VAULT_NAME VAULT_URI SERVER_NAME GET_REMOTE_INSTRUMENTS GET_SAMPLE_POSITIONS
FK2	

CHROMELEON_INSTRUMENT	
PK,FK1 PK,FK2	<u>CHROMELEON_ID</u> <u>INSTRUMENT_ID</u>
	CHROMELEON_INSTRUMENT CHROMELEON_INSTRUMENT_URI INSTRUMENT_METHOD_FOLDER_URI INSTRUMENT_METHOD INSTRUMENT_METHOD_URI AUTOSAMPLER_POSITIONS

CHROMELEON_MAPPING_PROPERTY	
PK,FK1 PK	<u>CHROMELEON_MAPPING_ID</u> <u>ORDER_NUMBER</u>
	ENTITY PROPERTY TABLE_NAME FIELD_NAME EXPRESSION

CHROMELEON_MAPPING	
PK	<u>IDENTITY</u>
FK1	NAME GROUP_ID DESCRIPTION MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG CHROMELEON_ID INSTRUMENT_ID ANALYSIS_ID INSTRUMENT_METHOD_FOLDER_URI INSTRUMENT_METHOD INSTRUMENT_METHOD_URI PROCESSING_METHOD_FOLDER_URI PROCESSING_METHOD PROCESSING_METHOD_URI EWORKFLOW EWORKFLOW_URI ALLOW_UNKNOWN ALLOW_ADHOC DEFAULT_EXPRESSION UNKNOWN_PEAK_NAME_EXPRESSION DEFAULT_SEQUENCE_FOLDER_URI SEQUENCE_SYNTAX SEQUENCE_ENTRY_SYNTAX DEFAULT_VOLUME TRANSLATE_TYPES DEFAULT_POSITION ALLOW_RENAME OVERWRITE_INJ_NAMES ALLOW_FOLDER_CHANGE CHECK_SEND_FLAG RESULT_SIGNALS UNKNOWN_PEAK_PREFIX UPDATE_STANDARDS REPORT_FROM_EWORKFLOW REPORT_TEMPLATE REPORT_TEMPLATE_URI REPORT_TEMPLATE_FOLDER_URI REPORT_TO_SEQUENCE VOLUME_EXPRESSION ISTD_AMOUNT_EXPRESSION DILUTION_EXPRESSION WEIGHT_EXPRESSION COMMENT_EXPRESSION ADVANCED_MAPPING CHECK_LOCK_FLAG EXCLUDE_FROM_READY_CHECK
FK2	
FK3	
FK3	
FK4	
FK5	

CHROMELEON_MAPPING_RESULT	
PK,FK1 PK	<u>CHROMELEON_MAPPING_ID</u> <u>COMPONENT_NAME</u>
	CHROMELEON_NAME EXPRESSION SIGNAL_NAME

CHROMELEON_MAPPING_STANDARD	
PK,FK1 PK,FK2	<u>CHROMELEON_MAPPING_ID</u> <u>STANDARD_ID</u>
	CHROMELEON_LEVEL

CHROMELEON_MAPPING_COMPONENT	
PK,FK1 PK,FK1 PK	<u>CHROMELEON_MAPPING_ID</u> <u>STANDARD_ID</u> <u>CONCENTRATION_NAME</u>
	CHROMELEON_NAME

CHROMELEON_SEQUENCE_ENTRY	
PK,FK1 PK	<u>CHROMELEON_SEQUENCE_ID</u> <u>ORDER_NUMBER</u>
FK2	TEST_NUMBER NAME SAMPLE_TYPE STATUS VIAL_POSITION VOLUME SAMPLE_URI INSTRUMENT_METHOD_FOLDER_URI INSTRUMENT_METHOD INSTRUMENT_METHOD_URI PROCESSING_METHOD_FOLDER_URI PROCESSING_METHOD PROCESSING_METHOD_URI SEND_RESULTS BATCH_ID BATCH_ORDER_NUMBER CONCENTRATION_LEVEL DILUTION_FACTOR INTERNAL_STANDARD_AMOUNT WEIGHT REPLICATE_ID COMMENTS SPIKE_GROUP IS_LOCKED
FK3	
FK3	

CHROMELEON_SEQUENCE_LOG	
PK,FK1 PK	<u>CHROMELEON_SEQUENCE_ID</u> <u>ORDER_NUMBER</u>
FK2 FK3	DATE_CREATED STATUS OPERATOR INSTRUMENT INSTRUMENT_TRAINED INSTRUMENT_IN_CALIBRATION INSTRUMENT_IN_SERVICE METHOD_TRAINED

CHROMELEON_SEQUENCE	
PK	<u>IDENTITY</u>
FK1	NAME GROUP_ID DESCRIPTION MODIFIED_ON MODIFIED_BY MODIFIABLE REMOVEFLAG CHROMELEON_ID INSTRUMENT_ID ANALYSIS_ID STATUS SEQUENCE_URI SEQUENCE_FOLDER_URI INSTRUMENT_METHOD_FOLDER_URI INSTRUMENT_METHOD INSTRUMENT_METHOD_URI PROCESSING_METHOD_FOLDER_URI PROCESSING_METHOD PROCESSING_METHOD_URI EWORKFLOW EWORKFLOW_URI START_VIAL_POSITION SEND_APPROVED BATCH_ID INJECTION_VOLUME COMMENTS REPORT_TEMPLATE_URI CHROMELEON_MAPPING_ID
FK2	
FK3	
FK3	
FK4	
FK5	



WORKFLOW	
PK	<u>WORKFLOW_GUID</u>
PK	<u>WORKFLOW_VERSION</u>
FK1	NAME
	TABLE_NAME
	WORKFLOW_TYPE
	GROUP_ID
FK2	DESCRIPTION
	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
FK3	REMOVEFLAG
	INCLUDE_IN_MENU
	MENU_ICON_ID
	MENU_TEXT
FK4	SUB_MENU_GROUP
	ACTIVE
	ACTIVE_FROM
	ACTIVE_TO
FK4	HAS_ATTACHMENTS
	APPROVAL_STATUS
FK4	INSPECTION_PLAN

LAB_METHOD	
PK	<u>LAB_METHOD_ID</u>
PK	<u>LAB_METHOD_VERSION</u>
FK11	NAME
	GROUP_ID
	DESCRIPTION
	MODIFIED_ON
FK12	MODIFIED_BY
	MODIFIABLE
	REMOVEFLAG
	ACTIVE
FK13	ACTIVE_FROM
	ACTIVE_TO
	HAS_ATTACHMENTS
	WORKFLOW_NODE
FK14	LAB_METHOD_WORKFLOW_ID
	LAB_METHOD_WORKFLOW_VERSION
	SOP_REFERENCE
	LAB_METHOD_TYPE
FK15	EXECUTION_STYLE
	APPROVAL_STATUS
	INSPECTION_PLAN
	IS_GXP
FK16	INTRODUCTION_BLOB
	PREREQUISITES_BLOB
	SUMMARY_BLOB
	TABLE_NAME
FK19	CRITERIA
	NAME_EXPRESSION
	EXECUTION_INSPECTION_PLAN
	REQUIRE_REVIEW_COMMENTS
FK20	BATCH_TEMPLATE_ID
	IS_EXECUTABLE
	RETURNS_ENTITY
	RETURN_TABLE_NAME
FK1	INCIDENT_TEMPLATE_ID
	RETURN_DATA_PARAMETER_ID
	RACK_TEMPLATE_ID
	RACK_TEMPLATE_VERSION
FK3	CHROMELEON_MAPPING_ID
	BATCH_STEP_ID
	BATCH_STEP_PARAM_ID
	CHROMELEON_SEQ_STEP_ID
FK8	CHROMELEON_SEQ_STEP_PARAM_ID
	INSTRUMENT_STEP_ID
	INSTRUMENT_STEP_PARAM_ID
	REVIEW_OUT_OF_RANGE
FK10	REVIEW_INCIDENTS
	REVIEW_AUDITS
	REVIEW_MANUAL_OVERRIDES

LAB_METHOD_STEP	
PK	<u>LAB_METHOD_STEP_ID</u>
FK1	<u>LAB_METHOD_ID</u>
	<u>LAB_METHOD_VERSION</u>
	<u>ORDER_NUM</u>
	<u>NAME</u>
FK2	DESCRIPTION
	WORKFLOW_NODE
	STEP_WORKFLOW_NODE
	HAS_ATTACHMENTS
FK3	<u>INSTRUCTION_BLOB</u>
	<u>ALLOW_COMMENTS</u>
	<u>ALLOW_ATTACHMENTS</u>
	<u>ALLOW_MODIFICATION</u>
FK4	AUTO_START
	ANALYSIS_ID
	ANALYSIS_VERSION
	USE_LATEST_VERSION
FK5	NAME_EXPRESSION
	COMPLETE_NAME_EXPRESSION
	STEP_MINIMUM_INTERVAL
	STEP_MAXIMUM_INTERVAL
FK6	CREATE_ESIG
	CROSS_CHECK_USER
	CROSS_CHECK_ROLE
	DATA_CONTEXT_STEP_ID
FK7	DATA_CONTEXT_STEP_PARAM_ID
	NEXT_STEP_ID
	NEXT_STEP_CONDITION
	REQUIRE_REVIEW_COMMENTS
FK8	AUTO_VALIDATE
	ESIG_REASON
	IS_SUB_METHOD
	LAB_METHOD_LINK_ID
FK9	LAB_METHOD_LINK_VERSION
	LAB_METHOD_LINK_LATEST
	BATCH_SHOW
	BATCH_RACK_SHOW
FK10	BATCH_MODIFIABLE
	CHROMELEON_SHOW
	CHROMELEON_MODIFIABLE
	CHROMELEON_UPDATE
FK11	ALLOW_REMOVAL
	ENABLE_WORKFLOW_BUTTON
	WORKFLOW_BUTTON_NAME
	WORKFLOW_BUTTON_RUNONCE
FK11	WORKFLOW_BUTTON_AUTOSAVE

LAB_METHOD_STEP_SUBSTANCE	
PK,FK1	<u>LAB_METHOD_STEP_ID</u>
PK,FK2	<u>SUBSTANCE_ID</u>
	ORDER_NUM
	COMMENTS

LAB_METHOD_STEP_PREREQ	
PK,FK1	<u>LAB_METHOD_STEP_ID</u>
PK,FK2	<u>LAB_METHOD_STEP_PREREQ_ID</u>
	ORDER_NUM
	COMMENTS

LAB_METHOD_STEP_VARIABLE	
PK	<u>LAB_METHOD_STEP_VARIABLE_ID</u>
FK1	<u>VARIABLE_NAME</u>
	<u>ORDER_NUM</u>
	<u>LAB_METHOD_STEP_ID</u>
	<u>EXPRESSION</u>

LAB_METHOD_STEP_PARAMETER	
PK	<u>LAB_METHOD_STEP_PARAMETER_ID</u>
FK1	<u>LAB_METHOD_STEP_ID</u>
	<u>ORDER_NUM</u>
	<u>NAME</u>
	<u>DESCRIPTION</u>
FK2	<u>PARAMETER_TYPE</u>
	<u>DEFAULT_VALUE</u>
	<u>TABLE_NAME</u>
	<u>PHRASE_TYPE_ID</u>
FK3	<u>MANDATORY_CRITERIA</u>
	<u>VALIDATION_CRITERIA</u>
	<u>CREATE_AS_PARAMETER</u>
	<u>CREATE_FROM_PARAMETER</u>
FK4	<u>PARAMETER_NAME</u>
	<u>UNITS</u>
	<u>PLACES</u>
	<u>MINIMUM</u>
FK5	<u>MAXIMUM</u>
	<u>TARGET_VALUE</u>
	<u>PROMPT_TYPE</u>
	<u>TRUE_WORD</u>
FK6	<u>FALSE_WORD</u>
	<u>TARGET_BOOLEAN</u>
	<u>CREATE_AS_RESULT</u>
	<u>ANALYSIS_ID</u>
FK5	<u>ANALYSIS_VERSION</u>
	<u>COMPONENT_NAME</u>
FK6	<u>LAB_PARSING_SCRIPT_ID</u>
	<u>LAB_PARSING_SCRIPT_VERSION</u>
	<u>LAB_PARSING_SCRIPT_VARIABLE</u>
FK7	<u>LAB_ALIAS_ID</u>
	<u>LAB_ALIAS_VERSION</u>
	<u>SOURCE_TYPE_ID</u>
	<u>LAB_DATA_SOURCE_ID</u>
FK8	<u>LAB_DATA_SOURCE_VERSION</u>
	<u>INSTRUMENT_USED</u>
	<u>INSTRUMENT_EXPRESSION</u>
	<u>ONLY_READ_ON_FOCUS</u>
FK9	<u>SAVE_ON_READ</u>
	<u>COPY_TO_BATCH</u>
	<u>BATCH_SLOT_TYPE</u>
	<u>BATCH_SLOT</u>
FK10	<u>WORKFLOW_ID</u>
	<u>WORKFLOW_VERSION</u>
	<u>COPY_TO_BATCH_CONTROL</u>
	<u>VALUE_FROM_LAB_EXECUTION_ID</u>
FK11	<u>VALUE_FROM_LAB_EXECUTION_VER</u>
	<u>REQUIRE_CREATION</u>
	<u>DATA_CREATION_LATEST</u>
	<u>COPY_TO_CHROMELEON</u>
FK12	<u>PHRASE_VALID_ONLY</u>
	<u>SAMPLES_BATCH</u>
	<u>ROUNDING_FORMULA</u>
	<u>SIG_FIGS_NUMBER</u>
FK12	<u>SIG_FIGS_ROUNDING</u>
	<u>SIG_FIGS_FILTER</u>

Lab Execution

CHROMELEON_SEQUENCE	
PK	IDENTITY
FK1	NAME
	GROUP_ID
FK2	DESCRIPTION
	MODIFIED_ON
FK3	MODIFIED_BY
	MODIFIABLE
FK3	REMOVEFLAG
	CHROMELEON_ID
FK3	INSTRUMENT_ID
	ANALYSIS_ID
FK4	STATUS
	SEQUENCE_URI
FK4	SEQUENCE_FOLDER_URI
	INSTRUMENT_METHOD_FOLDER_URI
FK4	INSTRUMENT_METHOD
	INSTRUMENT_METHOD_URI
FK4	PROCESSING_METHOD_FOLDER_URI
	PROCESSING_METHOD
FK4	PROCESSING_METHOD_URI
	EWORKFLOW
FK4	EWORKFLOW_URI
	START_VIAL_POSITION
FK4	SEND_APPROVED
	BATCH_ID
FK4	INJECTION_VOLUME
	COMMENTS
FK5	REPORT_TEMPLATE_URI
	CHROMELEON_MAPPING_ID

BATCH_HEADER	
PK,FK2	IDENTITY
FK7	STATUS
	DATE_CREATED
FK8	CREATOR
	DATE_COMPLETED
FK11	COMPLETER
	DATE_REVIEWED
FK9	REVIEWER
	DATE_AUTHORISED
FK9	AUTHORISER
	AUTHORISATION_NOTES
FK12	DATE_CANCELLED
	LIMITS
FK12	ANALYSIS
	DESCRIPTION
FK12	BATCH_CLASS
	TEMPLATE_ID
FK10	REVIEW_STATUS
	CDS_PROJECT
FK13	CDS_CHANNEL_NUMBER
	CDS_RS_F_NAME
FK13	CDS_COMMENTS
	CDS_TEMPLATE_NAME
FK13	CDS_ANALYSIS_NAME
	CDS_METHOD_NAME
FK13	CDS_CONTROL_NAME
	CDS_CALIBRATION_NAME
FK13	CDS_SUBTRACT_NAME
	CDS_SUBTRACT_SAMPLE
FK13	CDS_SUB_INJECTION
	CDS_RVS_CALIB_NAME
FK13	CDS_AMOUNT_SAMPLE
	CDS_INSTRUMENT
FK13	CDS_APPEND_ANALYSIS
	ANALYST
FK13	INSTRUMENT
	START_DATE
FK13	END_DATE
	BATCH_COMMENT
FK13	HAS_ATTACHMENTS
	WORKFLOW_NODE
FK13	ENTITY_TEMPLATE_ID
	ENTITY_TEMPLATE_VERSION
FK13	RACK_TEMPLATE_ID
	RACK_TEMPLATE_VERSION
FK13	RACK_START_POSITION

LAB_EXECUTION	
PK	LAB_EXECUTION_ID
FK1	LAB_METHOD_ID
	LAB_METHOD_VERSION
FK1	LAB_METHOD_NAME
	NAME
FK2	GROUP_ID
	DESCRIPTION
FK3	MODIFIED_ON
	MODIFIED_BY
FK4	HAS_ATTACHMENTS
	WORKFLOW_NODE
FK5	STATUS
	NEXT_STEP_ID
FK6	LAB_METHOD_TYPE
	EXECUTION_STYLE
FK7	IS_GXP
	DATE_CREATED
FK6	CREATED_BY
	DATE_STARTED
FK7	STARTED_BY
	DATE_COMPLETED
FK8	COMPLETED_BY
	DATE_STOPPED
FK9	STOPPED_BY
	DATE_CANCELED
FK10	CANCELED_BY
	DATE_ASSIGNED
FK11	ASSIGNED_BY
	ASSIGNED_TO
FK12	DATE_REVIEWED
	REVIEWED_BY
FK13	REVIEW_COMMENTS
	REVIEW_STATUS
FK14	DATE_AUTHORIZED
	AUTHORIZED_BY
FK15	DATE_REJECTED
	REJECTED_BY
FK16	TABLE_NAME
	RECORD_KEY0
FK17	OUT_OF_RANGE
	OLD_STATUS
FK18	APPROVAL_STATUS
	INSPECTION_PLAN
FK19	BATCH
	SESSION_VARIABLE
FK20	CREATED_BY_STEP_PARAMETER_ID
	CHROMELEON_MAPPING_ID
FK21	CHROMELEON_SEQUENCE_ID
	INSTRUMENT_ID

LAB_EXECUTION_STEP	
PK	LAB_EXECUTION_STEP_ID
FK1	LAB_EXECUTION_ID
	LAB_METHOD_STEP_ID
FK2	NAME
	ORDER_NUM
FK3	MODIFIED_ON
	MODIFIED_BY
FK4	HAS_ATTACHMENTS
	WORKFLOW_NODE
FK5	STATUS
	STEP_TYPE
FK6	ALLOW_COMMENTS
	ALLOW_ATTACHMENTS
FK7	ALLOW_MODIFICATION
	AUTO_START
FK8	COMMENTS
	DATE_CREATED
FK9	CREATED_BY
	DATE_STARTED
FK10	STARTED_BY
	DATE_COMPLETED
FK11	COMPLETED_BY
	DATE_CANCELED
FK12	CANCELED_BY
	DATE_REVIEWED
FK13	REVIEWED_BY
	REVIEW_COMMENTS
FK14	REVIEW_STATUS
	VARIABLE_EXT
FK15	OUT_OF_RANGE
	CREATE_ESIG
FK16	OLD_STATUS
	ALLOW_REMOVAL
FK17	MODIFIED
	ENABLE_WORKFLOW_BUTTON
FK18	WORKFLOW_BUTTON_NAME
	WORKFLOW_BUTTON_RUNONCE
FK19	WORKFLOW_BUTTON_AUTOSAVE
	WORKFLOW_BUTTON_HAS_RUN

LAB_EXECUTION_STEP_PARAMETER	
PK	LAB_EXECUTION_STEP_PARAM_ID
FK1	LAB_EXECUTION_STEP_ID
	LAB_METHOD_STEP_PARAMETER_ID
FK2	ORDER_NUM
	NAME
FK3	DESCRIPTION
	MODIFIED_ON
FK4	MODIFIED_BY
	PARAMETER_TYPE
FK5	TABLE_NAME
	PHRASE_TYPE_ID
FK6	VALUE
	DATE_VALUE
FK7	COMMENTS
	OUT_OF_RANGE
FK8	MANDATORY_CRITERIA
	VALIDATION_CRITERIA
FK9	CREATE_AS_PARAMETER
	CREATE_FROM_PARAMETER
FK10	UNITS
	PLACES
FK11	MINIMUM
	MAXIMUM
FK12	TARGET_VALUE
	PROMPT_TYPE
FK13	TRUE_WORD
	FALSE_WORD
FK14	TARGET_BOOLEAN
	CREATE_AS_RESULT
FK15	ANALYSIS_ID
	ANALYSIS_VERSION
FK16	COMPONENT_NAME
	PARAMETER_NAME
FK17	RESULT_ERROR
	COPY_TO_BATCH
FK18	BATCH_SLOT_TYPE
	BATCH_SLOT
FK19	WORKFLOW_CREATE_ID
	WORKFLOW_CREATE_VERSION
FK20	COPY_TO_BATCH_CONTROL
	COPY_TO_CHROMELEON
FK21	CHROMELEON_SEQUENCE_ID
	CHROMELEON_SEQUENCE_ENTRY_ID
FK22	MANUALLY_ENTERED
	DEFAULT_VALUE
FK23	RAW_VALUE
	ENTERED_ON
FK24	ENTERED_BY
	PHRASE_VALID_ONLY
FK25	SAMPLES_BATCH
	ROUNDING_FORMULA
FK26	SIG_FIGS_NUMBER
	SIG_FIGS_ROUNDING
FK27	SIG_FIGS_FILTER

CHROMELEON_SEQUENCE_ENTRY	
PK,FK1	CHROMELEON_SEQUENCE_ID
PK	ORDER_NUMBER
FK2	TEST_NUMBER
	NAME
FK3	SAMPLE_TYPE
	STATUS
FK3	VIAL_POSITION
	VOLUME
FK3	SAMPLE_URI
	INSTRUMENT_METHOD_FOLDER_URI
FK3	INSTRUMENT_METHOD
	INSTRUMENT_METHOD_URI
FK3	PROCESSING_METHOD_FOLDER_URI
	PROCESSING_METHOD
FK3	PROCESSING_METHOD_URI
	SEND_RESULTS
FK3	BATCH_ID
	BATCH_ORDER_NUMBER
FK3	CONCENTRATION_LEVEL
	DILUTION_FACTOR
FK3	INTERNAL_STANDARD_AMOUNT
	WEIGHT
FK3	REPLICATE_ID
	COMMENTS
FK3	SPIKE_GROUP
	IS_LOCKED

LAB_EXECUTION_LINK	
PK	LAB_EXECUTION_LINK_ID
FK1	LAB_EXECUTION_ID
	TABLE_NAME
FK2	RECORD_KEY0
	LINK_TYPE
FK3	USAGE

LAB_EXECUTION_LINK_HISTORY	
PK,FK1	LAB_EXECUTION_ID
PK	ORDER_NUM
FK2	LAB_METHOD_STEP_ID
	LAB_EXECUTION_TARGET

LAB_EXECUTION_STEP_LINK	
PK	LAB_EXECUTION_STEP_LINK_ID
FK1	LAB_EXECUTION_STEP_ID
	TABLE_NAME
FK2	RECORD_KEY0
	LINK_TYPE
FK3	USAGE

Parameters

PARAMETER_TYPE	
PK	<u>IDENTITY</u>
-	<u>NAME</u>
-	<u>GROUP_ID</u>
-	<u>DESCRIPTION</u>
-	<u>TYPE</u>
-	<u>CATEGORY</u>
-	<u>MODIFIED_ON</u>
-	<u>MODIFIED_BY</u>
-	<u>MODIFIABLE</u>
-	<u>REMOVEFLAG</u>
-	<u>DEFAULT_NAME</u>
-	<u>DEFAULT_VALUE</u>
-	<u>UNITS</u>
-	<u>PLACES</u>
-	<u>TABLE_NAME</u>
-	<u>PHRASE_TYPE_ID</u>
-	<u>MINIMUM</u>
-	<u>MAXIMUM</u>
-	<u>TARGET_VALUE</u>
-	<u>CRITERIA</u>
-	<u>VALIDATION_CRITERIA</u>
-	<u>TRUE_WORD</u>
-	<u>FALSE_WORD</u>
-	<u>TARGET_BOOLEAN</u>
-	<u>PHRASE_VALID_ONLY</u>
-	<u>ROUNDING_FORMULA</u>
-	<u>SIG_FIGS_NUMBER</u>
-	<u>SIG_FIGS_ROUNDING</u>
-	<u>SIG_FIGS_FILTER</u>

ENTITY_TEMPLATE_PARAMETER	
PK	<u>PARAMETER_NAME</u>
PK,FK1	<u>ENTITY_TEMPLATE_ID</u>
PK,FK1	<u>ENTITY_TEMPLATE_VERSION</u>
FK2	PARAMETER_TYPE
FK3	DEFAULT_VALUE
FK3	CATEGORY
FK3	UNITS
FK3	PLACES
FK3	TABLE_NAME
FK4	PHRASE_TYPE_ID
FK4	MINIMUM
FK4	MAXIMUM
FK4	TARGET_VALUE
FK4	CRITERIA
FK4	VALIDATION_CRITERIA
FK4	TRUE_WORD
FK4	FALSE_WORD
FK4	TARGET_BOOLEAN
FK4	PHRASE_VALID_ONLY
FK4	ROUNDING_FORMULA
FK4	SIG_FIGS_NUMBER
FK4	SIG_FIGS_ROUNDING
FK4	SIG_FIGS_FILTER

ENTITY_TEMPLATE	
PK	<u>IDENTITY</u>
PK	<u>ENTITY_TEMPLATE_VERSION</u>
FK1	<u>NAME</u>
FK1	<u>GROUP_ID</u>
FK1	<u>DESCRIPTION</u>
FK1	<u>TABLE_NAME</u>
FK1	<u>MODIFIED_ON</u>
FK2	<u>MODIFIED_BY</u>
FK2	<u>MODIFIABLE</u>
FK2	<u>REMOVEFLAG</u>
FK2	<u>ACTIVE</u>
FK2	<u>ACTIVE_FROM</u>
FK2	<u>ACTIVE_TO</u>
FK2	<u>APPROVAL_STATUS</u>
FK3	<u>INSPECTION_PLAN</u>
FK3	<u>HAS_ATTACHMENTS</u>

JOB_PARAMETER	
PK,FK1	<u>JOB</u>
PK	<u>PARAMETER_ID</u>
FK2	PARAMETER_NAME
FK2	PARAMETER_TYPE
FK2	VALUE
FK2	DEFAULT_VALUE
FK2	CATEGORY
FK3	UNITS
FK3	PLACES
FK3	TABLE_NAME
FK4	PHRASE_TYPE_ID
FK4	MINIMUM
FK4	MAXIMUM
FK4	TARGET_VALUE
FK4	ENTERED_ON
FK5	ENTERED_BY
FK5	OUT_OF_RANGE
FK5	CRITERIA
FK5	VALIDATION_CRITERIA
FK5	TRUE_WORD
FK5	FALSE_WORD
FK5	TARGET_BOOLEAN
FK5	RAW_VALUE
FK5	DATE_VALUE
FK5	PHRASE_VALID_ONLY
FK5	ROUNDING_FORMULA
FK5	SIG_FIGS_NUMBER
FK5	SIG_FIGS_ROUNDING
FK5	SIG_FIGS_FILTER

SAMPLE_PARAMETER	
PK,FK1	<u>SAMPLE</u>
PK	<u>PARAMETER_ID</u>
FK2	PARAMETER_NAME
FK2	PARAMETER_TYPE
FK2	VALUE
FK2	DEFAULT_VALUE
FK2	CATEGORY
FK3	UNITS
FK3	PLACES
FK3	TABLE_NAME
FK4	PHRASE_TYPE_ID
FK4	MINIMUM
FK4	MAXIMUM
FK4	TARGET_VALUE
FK4	ENTERED_ON
FK5	ENTERED_BY
FK5	OUT_OF_RANGE
FK5	CRITERIA
FK5	VALIDATION_CRITERIA
FK5	TRUE_WORD
FK5	FALSE_WORD
FK5	TARGET_BOOLEAN
FK5	RAW_VALUE
FK5	DATE_VALUE
FK5	PHRASE_VALID_ONLY
FK5	ROUNDING_FORMULA
FK5	SIG_FIGS_NUMBER
FK5	SIG_FIGS_ROUNDING
FK5	SIG_FIGS_FILTER

TEST_PARAMETER	
PK,FK1	<u>TEST</u>
PK	<u>PARAMETER_ID</u>
FK2	PARAMETER_NAME
FK2	PARAMETER_TYPE
FK2	VALUE
FK2	DEFAULT_VALUE
FK2	CATEGORY
FK3	UNITS
FK3	PLACES
FK3	TABLE_NAME
FK4	PHRASE_TYPE_ID
FK4	MINIMUM
FK4	MAXIMUM
FK4	TARGET_VALUE
FK4	ENTERED_ON
FK5	ENTERED_BY
FK5	OUT_OF_RANGE
FK5	VALIDATION_CRITERIA
FK5	CRITERIA
FK5	TRUE_WORD
FK5	FALSE_WORD
FK5	TARGET_BOOLEAN
FK5	RAW_VALUE
FK5	DATE_VALUE
FK5	PHRASE_VALID_ONLY
FK5	ROUNDING_FORMULA
FK5	SIG_FIGS_NUMBER
FK5	SIG_FIGS_ROUNDING
FK5	SIG_FIGS_FILTER

C_JOB_PARAMETER	
PK,FK1	<u>JOB</u>
PK	<u>PARAMETER_ID</u>
FK2	PARAMETER_NAME
FK2	PARAMETER_TYPE
FK2	VALUE
FK2	DEFAULT_VALUE
FK2	CATEGORY
FK3	UNITS
FK3	PLACES
FK3	TABLE_NAME
FK4	PHRASE_TYPE_ID
FK4	MINIMUM
FK4	MAXIMUM
FK4	TARGET_VALUE
FK4	ENTERED_ON
FK5	ENTERED_BY
FK5	OUT_OF_RANGE
FK5	CRITERIA
FK5	VALIDATION_CRITERIA
FK5	TRUE_WORD
FK5	FALSE_WORD
FK5	TARGET_BOOLEAN
FK5	RAW_VALUE
FK5	DATE_VALUE
FK5	PHRASE_VALID_ONLY
FK5	ROUNDING_FORMULA
FK5	SIG_FIGS_NUMBER
FK5	SIG_FIGS_ROUNDING
FK5	SIG_FIGS_FILTER

C_SAMPLE_PARAMETER	
PK,FK1	<u>SAMPLE</u>
PK	<u>PARAMETER_ID</u>
FK2	PARAMETER_NAME
FK2	PARAMETER_TYPE
FK2	VALUE
FK2	DEFAULT_VALUE
FK2	CATEGORY
FK3	UNITS
FK3	PLACES
FK3	TABLE_NAME
FK4	PHRASE_TYPE_ID
FK4	MINIMUM
FK4	MAXIMUM
FK4	TARGET_VALUE
FK4	ENTERED_ON
FK5	ENTERED_BY
FK5	OUT_OF_RANGE
FK5	CRITERIA
FK5	VALIDATION_CRITERIA
FK5	TRUE_WORD
FK5	FALSE_WORD
FK5	TARGET_BOOLEAN
FK5	RAW_VALUE
FK5	DATE_VALUE
FK5	PHRASE_VALID_ONLY
FK5	ROUNDING_FORMULA
FK5	SIG_FIGS_NUMBER
FK5	SIG_FIGS_ROUNDING
FK5	SIG_FIGS_FILTER

C_TEST_PARAMETER	
PK,FK1	<u>TEST</u>
PK	<u>PARAMETER_ID</u>
FK2	PARAMETER_NAME
FK2	PARAMETER_TYPE
FK2	VALUE
FK2	DEFAULT_VALUE
FK2	CATEGORY
FK3	UNITS
FK3	PLACES
FK3	TABLE_NAME
FK4	PHRASE_TYPE_ID
FK4	MINIMUM
FK4	MAXIMUM
FK4	TARGET_VALUE
FK4	ENTERED_ON
FK5	ENTERED_BY
FK5	OUT_OF_RANGE
FK5	VALIDATION_CRITERIA
FK5	CRITERIA
FK5	TRUE_WORD
FK5	FALSE_WORD
FK5	TARGET_BOOLEAN
FK5	RAW_VALUE
FK5	DATE_VALUE
FK5	PHRASE_VALID_ONLY
FK5	ROUNDING_FORMULA
FK5	SIG_FIGS_NUMBER
FK5	SIG_FIGS_ROUNDING
FK5	SIG_FIGS_FILTER

Racks

BATCH_HEADER	
PK,FK2	IDENTITY
FK7	STATUS
	DATE_CREATED
	CREATOR
FK8	DATE_COMPLETED
	COMPLETER
FK11	DATE_REVIEWED
	REVIEWER
FK9	DATE_AUTHORISED
	AUTHORISER
	AUTHORISATION_NOTES
FK12	DATE_CANCELLED
	LIMITS
	ANALYSIS
	DESCRIPTION
	BATCH_CLASS
	TEMPLATE_ID
	REVIEW_STATUS
	CDS_PROJECT
	CDS_CHANNEL_NUMBER
	CDS_RSF_NAME
	CDS_COMMENTS
	CDS_TEMPLATE_NAME
	CDS_ANALYSIS_NAME
	CDS_METHOD_NAME
	CDS_CONTROL_NAME
	CDS_CALIBRATION_NAME
	CDS_SUBTRACT_NAME
	CDS_SUBTRACT_SAMPLE
	CDS_SUB_INJECTION
	CDS_RVS_CALIB_NAME
	CDS_AMOUNT_SAMPLE
	CDS_INSTRUMENT
	CDS_APPEND_ANALYSIS
FK10	ANALYST
	INSTRUMENT
FK13	START_DATE
	END_DATE
FK14	BATCH_COMMENT
	HAS_ATTACHMENTS
FK15	WORKFLOW_NODE
	ENTITY_TEMPLATE_ID
	ENTITY_TEMPLATE_VERSION
	RACK_TEMPLATE_ID
	RACK_TEMPLATE_VERSION
	RACK_START_POSITION

BATCH_TMPL_HEADER	
PK	IDENTITY
FK1	GROUP_ID
	DESCRIPTION
	ANALYSIS
	LIMITS
	BATCH_CLASS
FK2	MODIFIED_ON
	MODIFIED_BY
	MODIFIABLE
FK3	REMOVEFLAG
	SYNTAX
	EDIT_CRITERIA
	MINIMUM_SAMPLES
	MAXIMUM_SAMPLES
FK4	AUTOMATIC_SELECT
	EDIT_LIST
	RANDOM_CONTROL
	RANDOM_NUMBER
	PRINT_ON_CREATION
FK5	PRINTER
	COMPRESSION
	NAME
	HAS_ATTACHMENTS
	RACK_TEMPLATE_ID
	RACK_TEMPLATE_VERSION
	AUTOMATIC_SELECT_STANDARDS

LAB_RACK_TEMPLATE	
PK	PK
PK	<u>LAB_RACK_TEMPLATE_ID</u>
	<u>LAB_RACK_TEMPLATE_VERSION</u>
FK1	NAME
	GROUP_ID
	DESCRIPTION
	MODIFIED_ON
	MODIFIED_BY
FK2	MODIFIABLE
	ORDER_NUMBER
	REMOVE_FLAG
	ACTIVE
	ACTIVE_FROM
FK3	ACTIVE_TO
	HAS_ATTACHMENTS
	APPROVAL_STATUS
	INSPECTION_PLAN
	NUMBER_OF_ROWS
	NUMBER_OF_COLUMNS
	CELL_HEIGHT
	CELL_WIDTH
	COLUMN_HEADING_HEIGHT
	ROW_HEADING_WIDTH
	ICON_SIZE
FK4	EMPTY_ICON
	FILL_ORDER
	ROW_LABEL
	CUSTOM_ROW_LABELS
	COLUMN_LABEL
FK5	CUSTOM_COLUMN_LABELS
	SIZE_MODE
	RACK_COLOR
	FOCUSED_COLOR
	OUT_OF_RANGE_ICON
	GROUP_SAMPLES
	GROUP_STANDARDS

LAB_RACK_ICON	
PK	<u>LAB_RACK_ICON_ID</u>
PK,FK1	<u>LAB_RACK_TEMPLATE_ID</u>
PK,FK1	<u>LAB_ALIAS_VERSION</u>
PK	<u>BATCH_ENTRY_TYPE</u>
FK2	
ORDER_NUMBER	
ICON	

LAB_RACK_ICON_EXPRESSION	
PK	<u>LAB_RACK_ICON_ID</u>
PK,FK1	<u>LAB_RACK_TEMPLATE_ID</u>
PK,FK1	<u>LAB_ALIAS_VERSION</u>
PK	<u>EXPRESSION</u>
FK2	
ORDER_NUMBER	
ICON	

LAB_RACK_OVERLAY_EXPRESSION	
PK	<u>LAB_RACK_ICON_ID</u>
PK,FK1	<u>LAB_RACK_TEMPLATE_ID</u>
PK,FK1	<u>LAB_ALIAS_VERSION</u>
PK	<u>EXPRESSION</u>
FK2	
ORDER_NUMBER	
ICON	

LAB_RACK_TEST_STATUS_ICON	
PK	<u>LAB_RACK_ICON_ID</u>
PK,FK1	<u>LAB_RACK_TEMPLATE_ID</u>
PK,FK1	<u>LAB_ALIAS_VERSION</u>
PK	<u>TEST_STATUS</u>
FK2	
ORDER_NUMBER	
ICON	

LAB_METHOD	
PK	LAB_METHOD_ID
PK	LAB_METHOD_VERSION
FK11	NAME
	GROUP_ID
	DESCRIPTION
	MODIFIED_ON
	MODIFIED_BY
FK12	MODIFIABLE
	REMOVEFLAG
	ACTIVE
	ACTIVE_FROM
	ACTIVE_TO
FK13	HAS_ATTACHMENTS
	WORKFLOW_NODE
FK14	LAB_METHOD_WORKFLOW_ID
	LAB_METHOD_WORKFLOW_VERSION
FK15	SOP_REFERENCE
	LAB_METHOD_TYPE
	EXECUTION_STYLE
	APPROVAL_STATUS
	INSPECTION_PLAN
FK16	IS_GXP
	INTRODUCTION_BLOB
FK17	PREREQUISITES_BLOB
	SUMMARY_BLOB
FK18	TABLE_NAME
	CRITERIA
	NAME_EXPRESSION
FK19	EXECUTION_INSPECTION_PLAN
	REQUIRE_REVIEW_COMMENTS
FK20	BATCH_TEMPLATE_ID
	IS_EXECUTABLE
	RETURNS_ENTITY
	RETURN_TABLE_NAME
	INCIDENT_TEMPLATE_ID
FK1	RETURN_DATA_PARAMETER_ID
	RACK_TEMPLATE_ID
FK3	RACK_TEMPLATE_VERSION
	CHROMELEON_MAPPING_ID
FK4	BATCH_STEP_ID
	BATCH_STEP_PARAM_ID
FK6	CHROMELEON_SEQ_STEP_ID
	CHROMELEON_SEQ_STEP_PARAM_ID
FK8	INSTRUMENT_STEP_ID
	INSTRUMENT_STEP_PARAM_ID
FK9	REVIEW_OUT_OF_RANGE
	REVIEW_INCIDENTS
	REVIEW_AUDITS
	REVIEW_MANUAL_OVERRIDES

Data Sources

