



**The PPDM Association
is a not-for-profit
society for data
managers.**

**The PPDM Data Model
is a relational model
specification used by
the Oil and Gas
industry as the
function for effective
management and
stewardship of data
related to Upstream
Exploration and
Production.**

**PPDM 3.9 was built by
industry subject matter
experts who have
worked cooperatively
over 24 years to
develop an open data
specification that is
practical and useful for
companies of all sizes.**

PPDM Data Model version 3.9 Data Diagrams



Professional Petroleum Data Management Association (“PPDM™”)

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FOR PURPOSES OF PARAGRAPHS 4, 5, 6 AND 7 OF THESE TERMS AND CONDITIONS, PPDM™ SHALL INCLUDE ANY OR ALL OF ITS DIRECTORS, OFFICERS, EMPLOYEES, AGENTS, CONTRACTORS OR OTHER INDIVIDUALS AFFILIATED WITH THE PPDM™, AS THE CASE MAY BE.

These Terms and Conditions are to be governed and interpreted under the laws of the Province of Alberta and the laws of Canada applicable therein, and any and all disputes arising out of these Terms and Conditions, their performance, breach, enforcement, existence or validity, any failure of the parties to reach agreement with respect to matters provided for in these Terms and Conditions and all matters of dispute relating to the rights and obligations of the parties, which cannot be amicably resolved, even if only one of the parties declares that there is a difference, will be referred to and finally settled by private and confidential binding arbitration held in Alberta and governed by Alberta law pursuant to the Alberta Arbitration Act if the User is a party created under the laws of Canada or any province or territory of Canada; or the Arbitration Rules of the United Nations Commission of International Trade Law (UNCITRAL) if the User is a party outside of Canada.

The following arbitration procedures shall apply, notwithstanding whether the arbitration is governed by the Alberta Arbitration Act or UNCITRAL:

- the place of arbitration shall be Calgary, Alberta;
- the Arbitration tribunal shall consist of one (1) arbitrator;
- the Courts of the Province of Alberta shall be the appointing authority in accordance with UNCITRAL Rules;
- the language to be used in the arbitral proceedings shall be English;
- the Arbitrator shall be a person who is legally trained and who has experience in the information technology field in Canada and is independent of either party; and,
- the decision of the arbitration court shall be final and binding upon each of the parties.

Except as otherwise provided herein, all notices must be in writing to the PPDM™ at Bankers Hall, P.O. Box 22155, Calgary, Alberta, T2P 4J5 and to the User at the most recent address in the PPDM™'s records. Notices shall be deemed delivered three business days after posting in the Canadian postal system, or one business day if delivered via courier.

By using this documentation, you are deemed to have accepted these terms and conditions.



PPDM 3.9 Diagrams Legend

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Table colors

Table in
PPDM 3.8
or earlier

New
Table

Reference
Table

To Be
Deprecated

Column Symbols

Part of the PK	#
NOT NULL	*
Optional	○
Check Constraint	☒
Varchar format	A
Date format	31
Number format	789
In a domain	☒

Foreign Keys

Parent
(One)

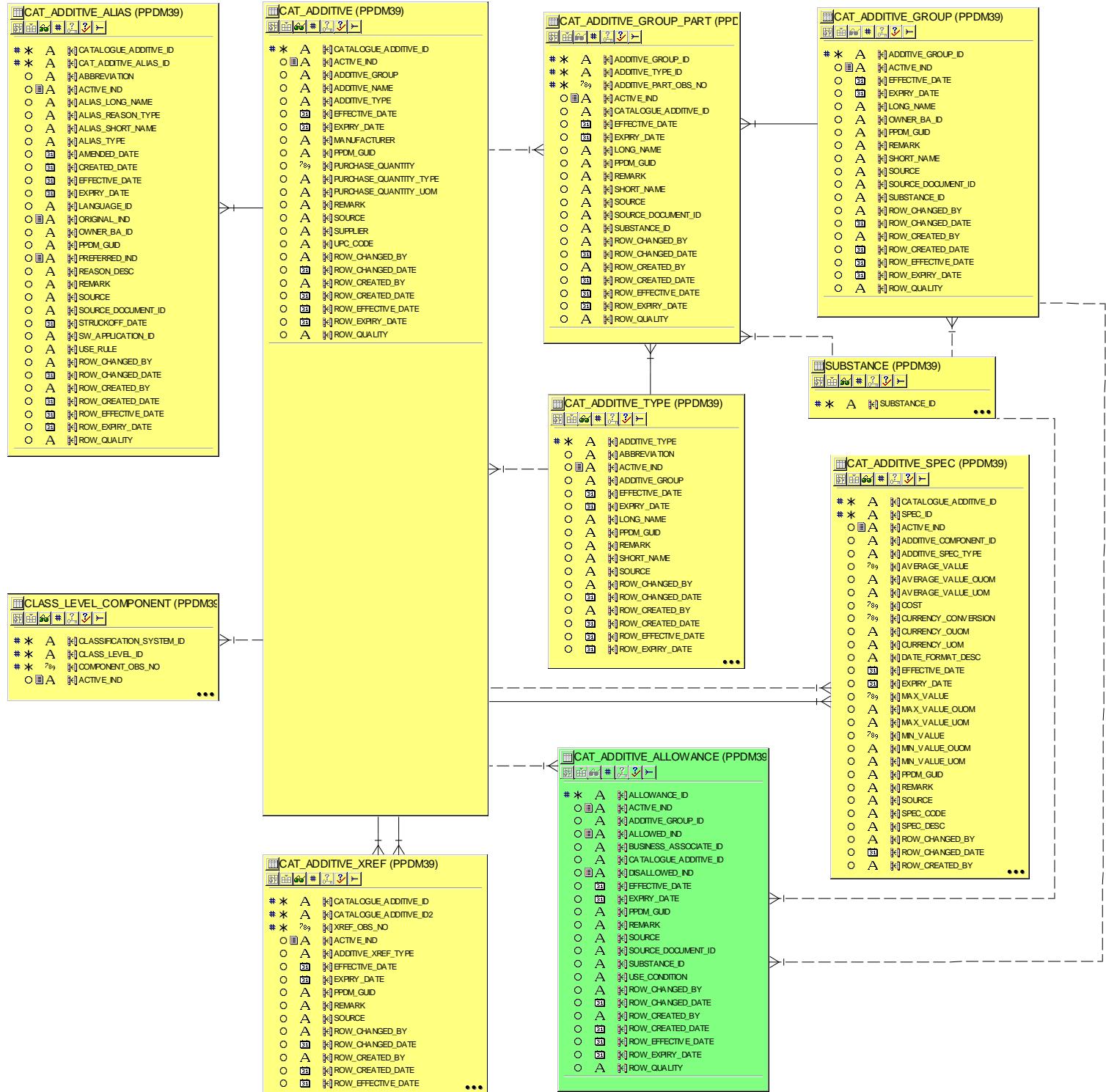
Child
(Many)

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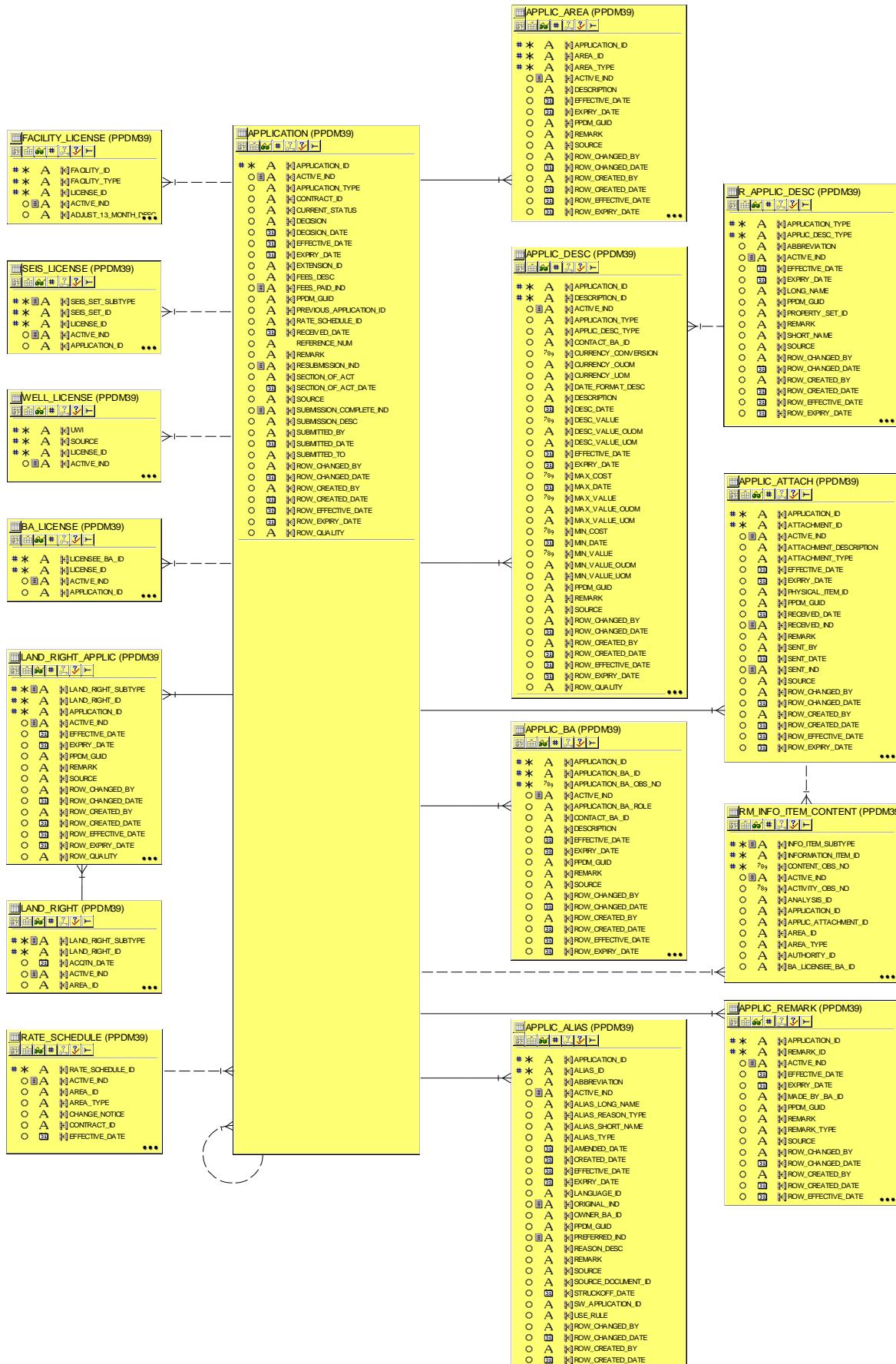
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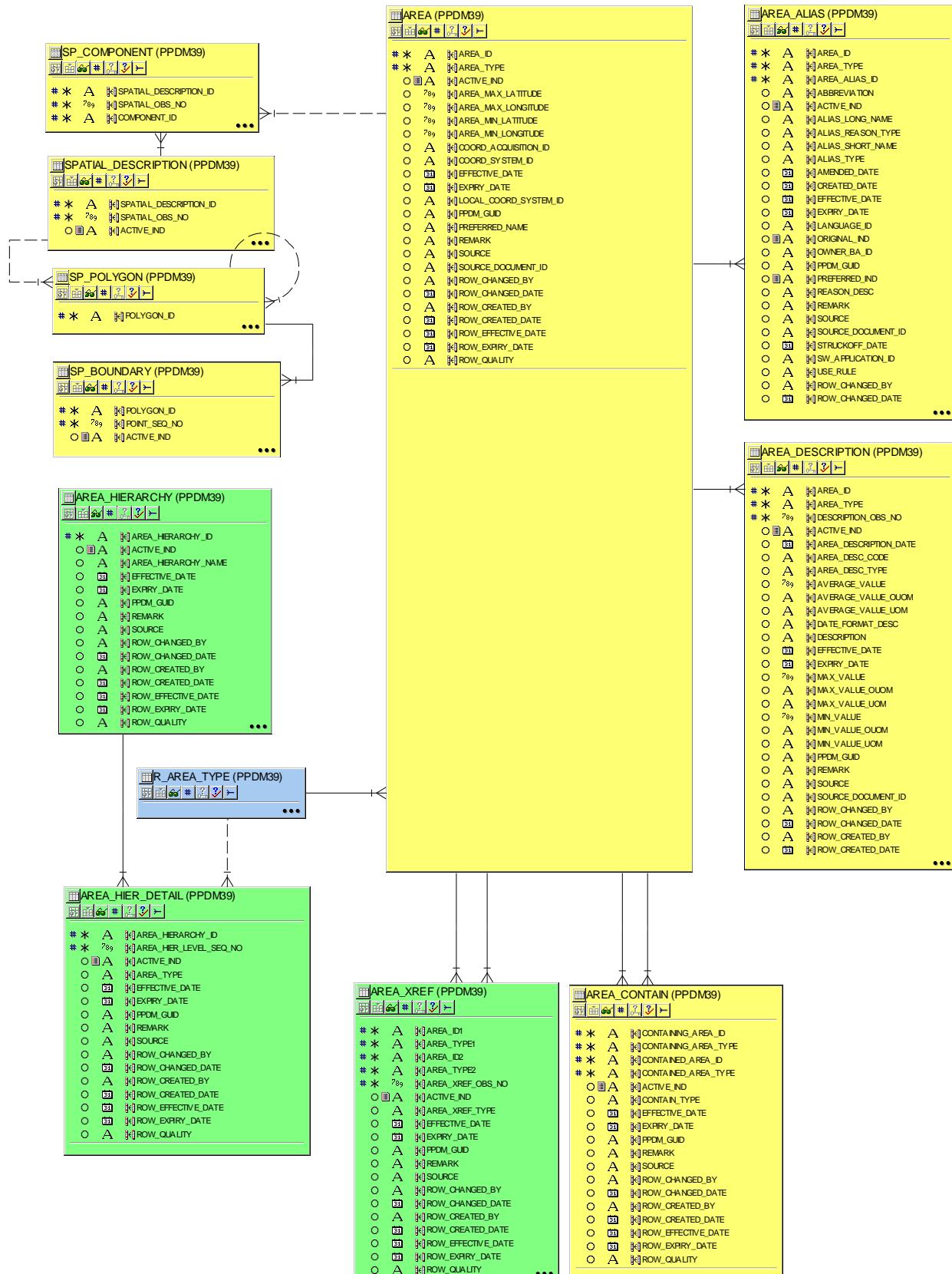
ADDITIVES - CATALOGUES



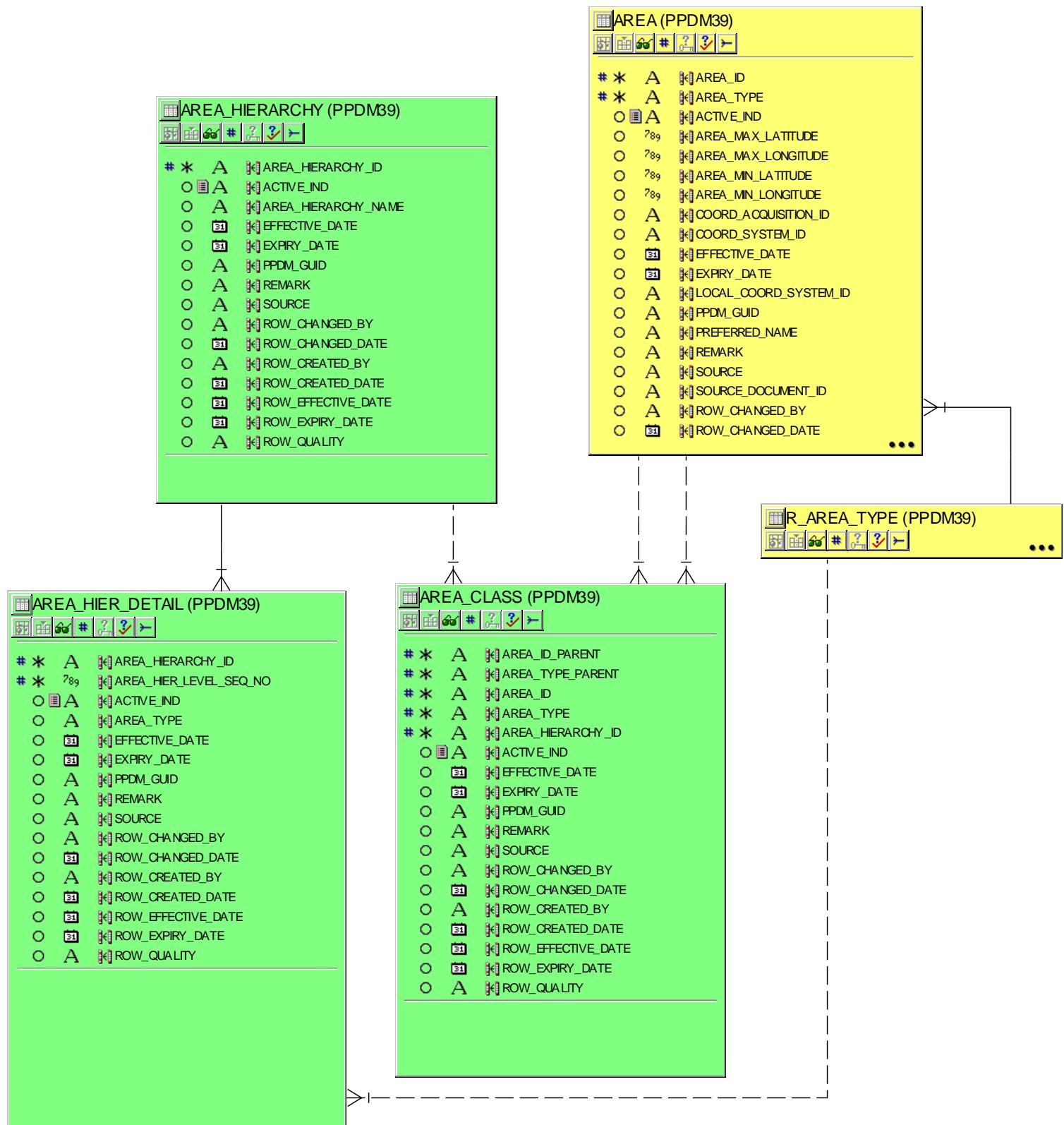
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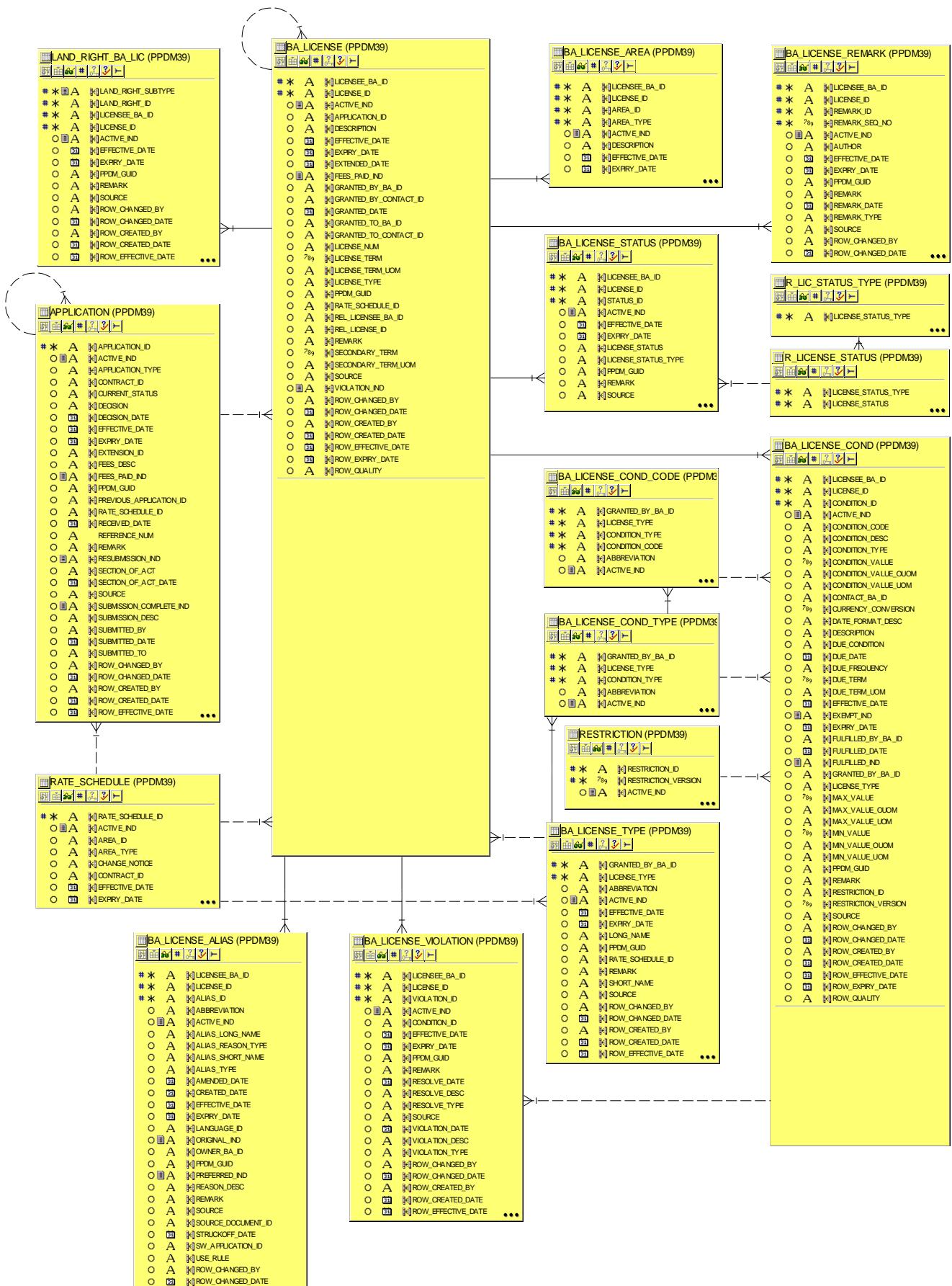
AREA



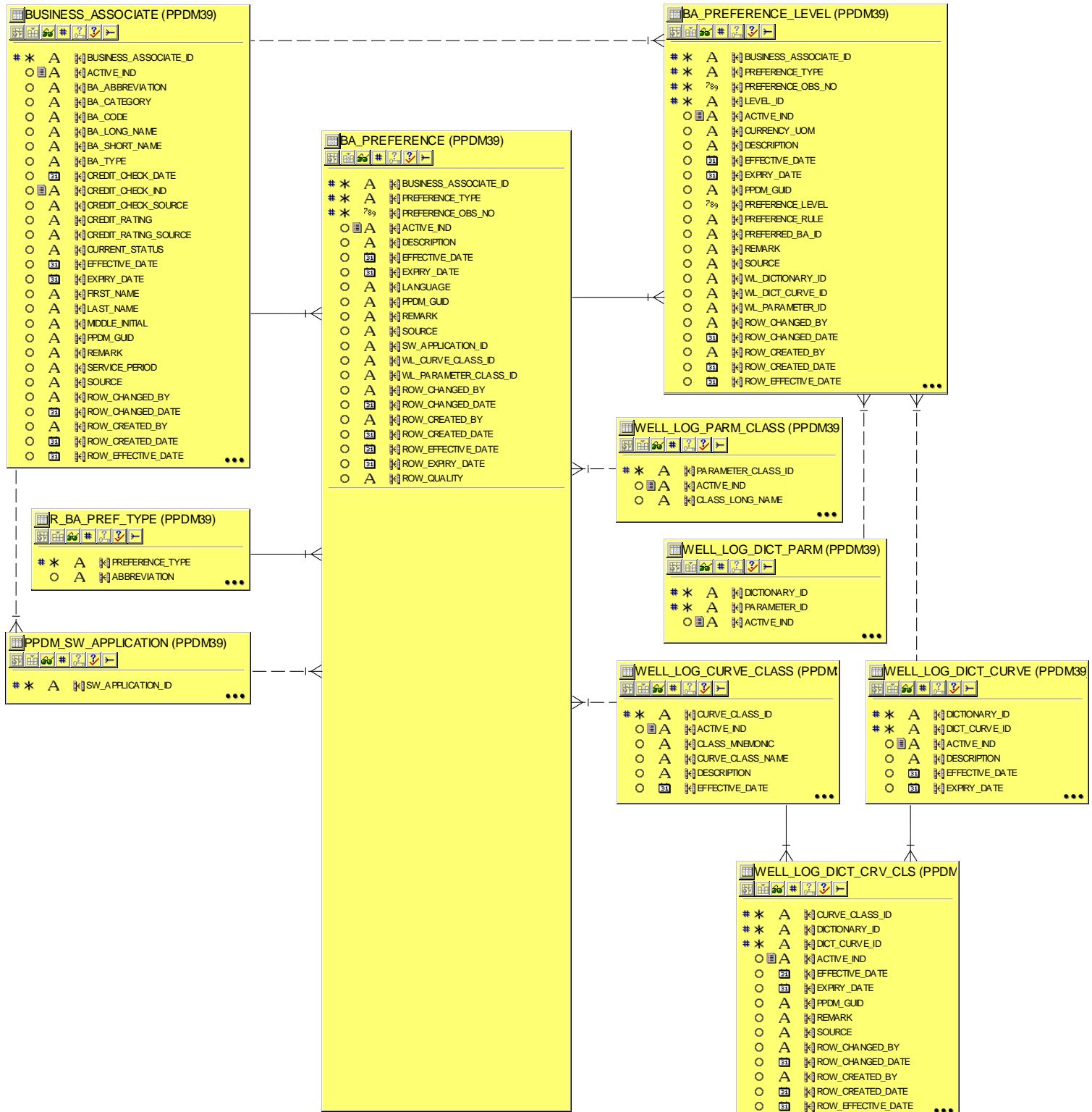
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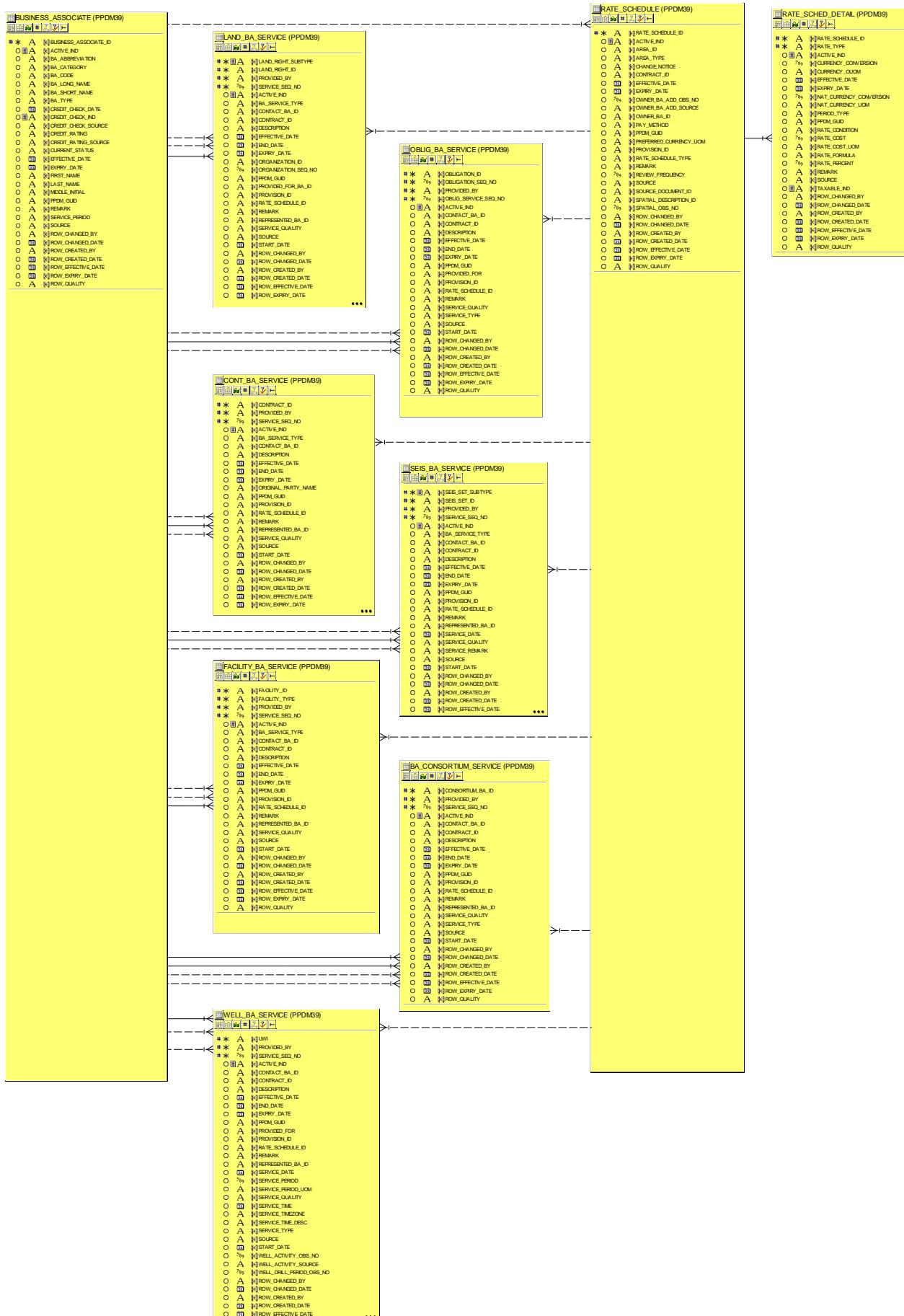
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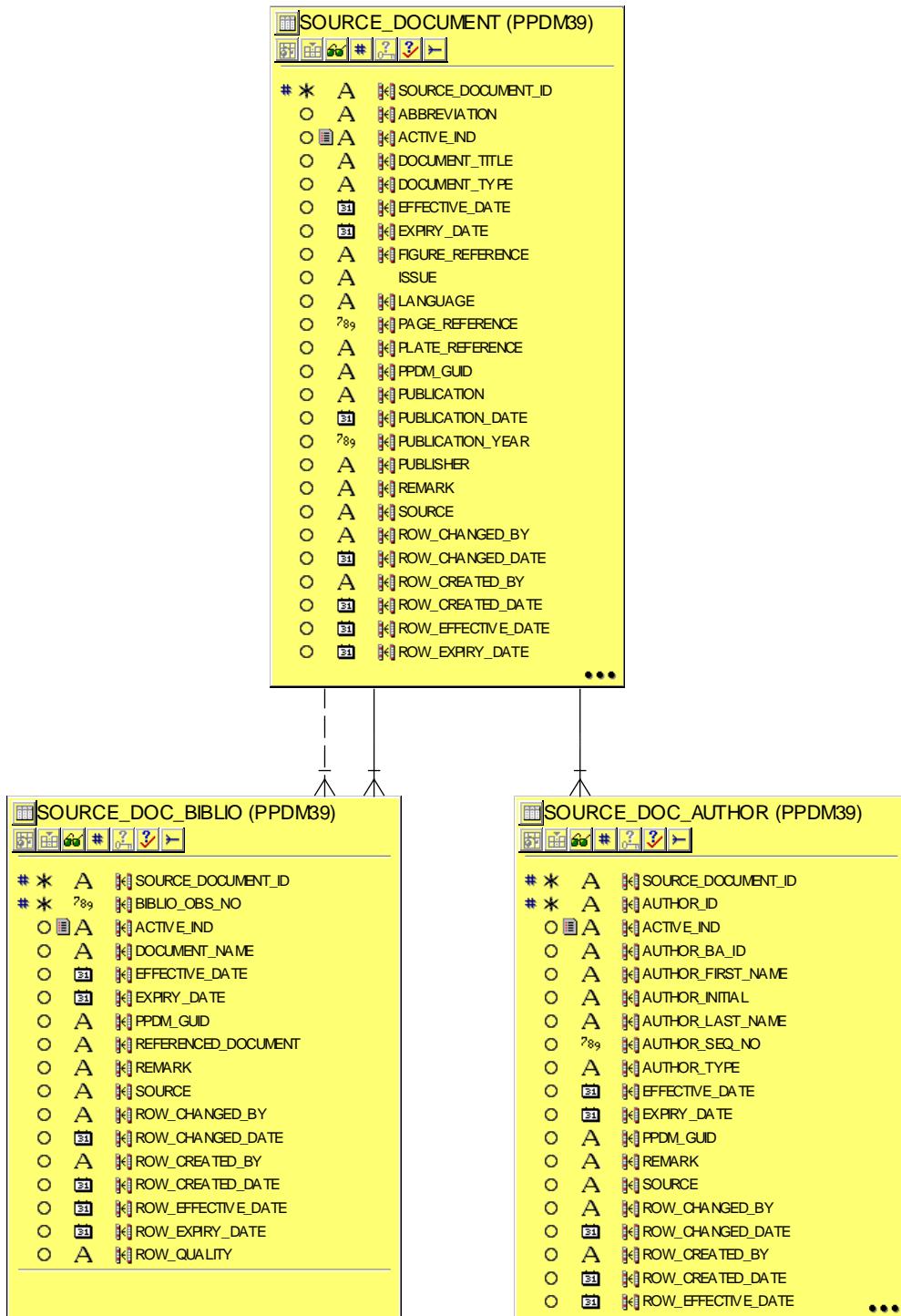
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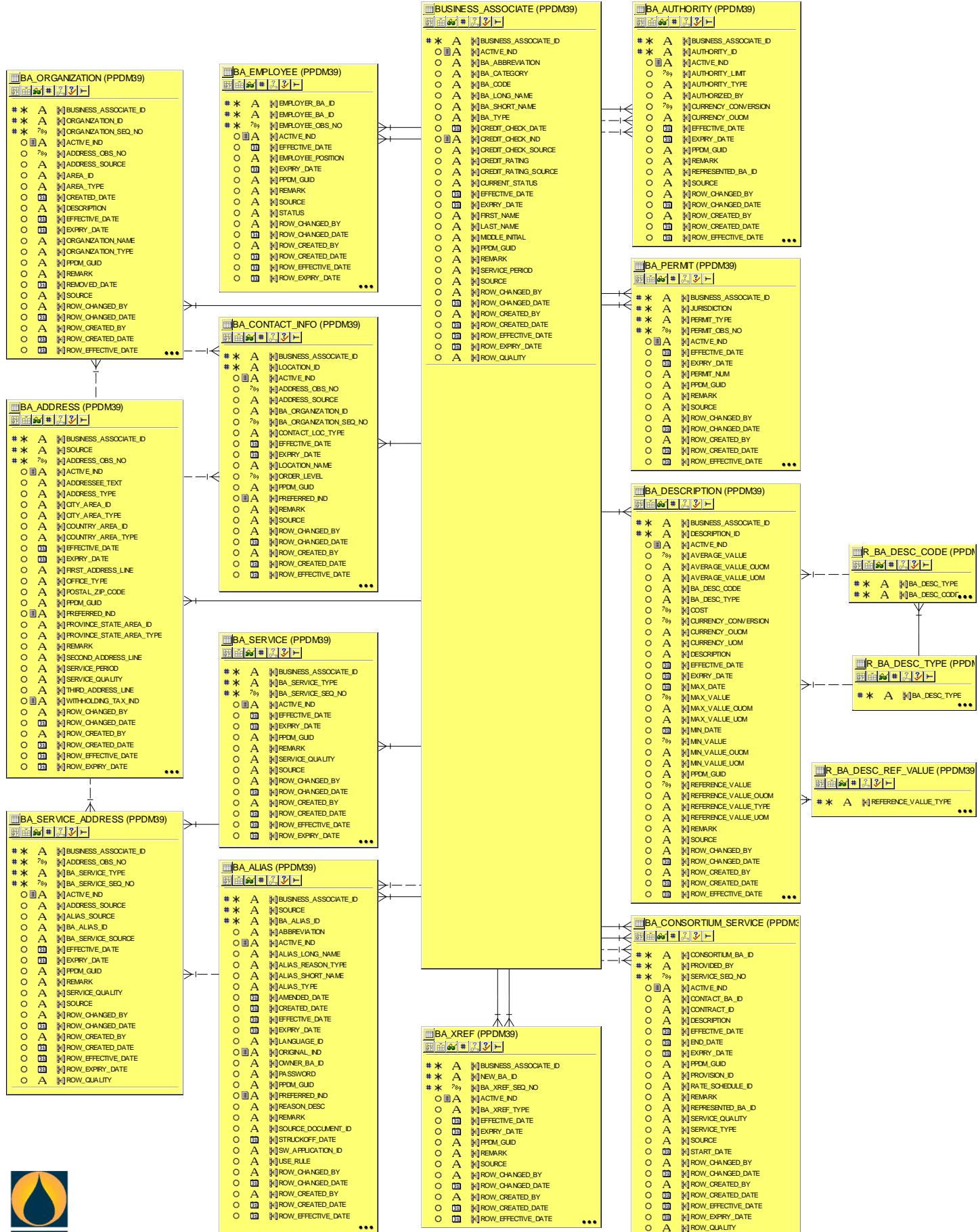
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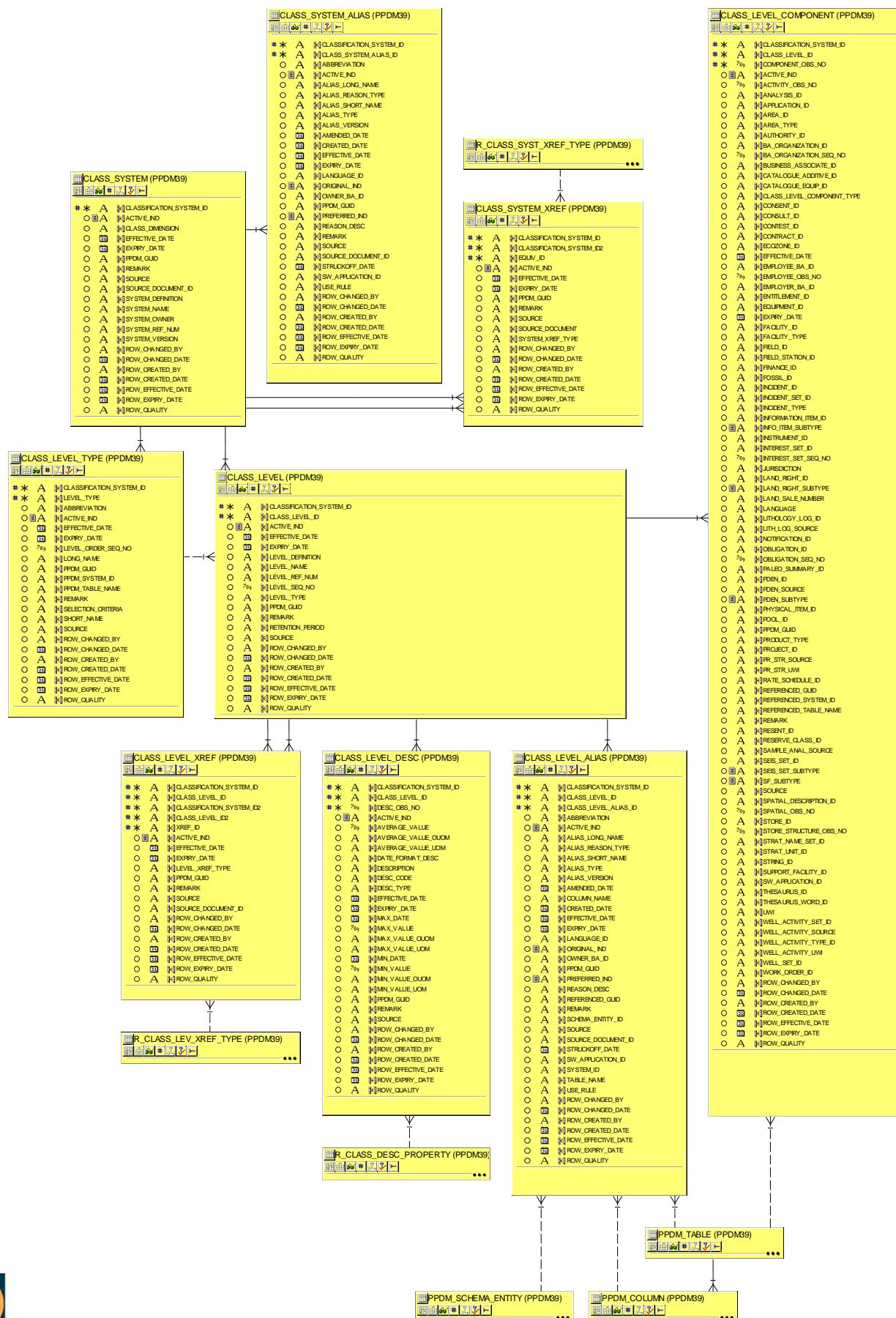
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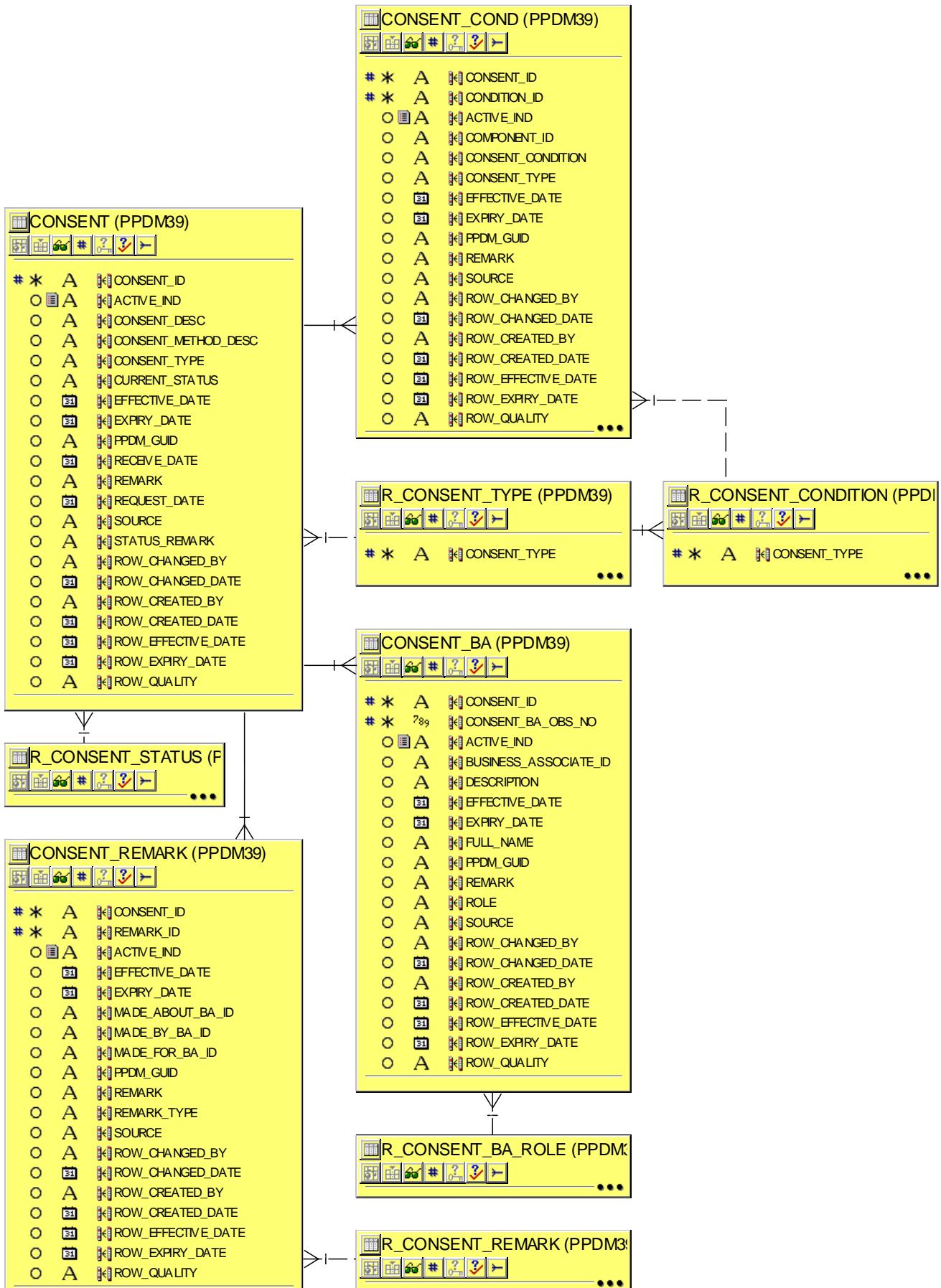
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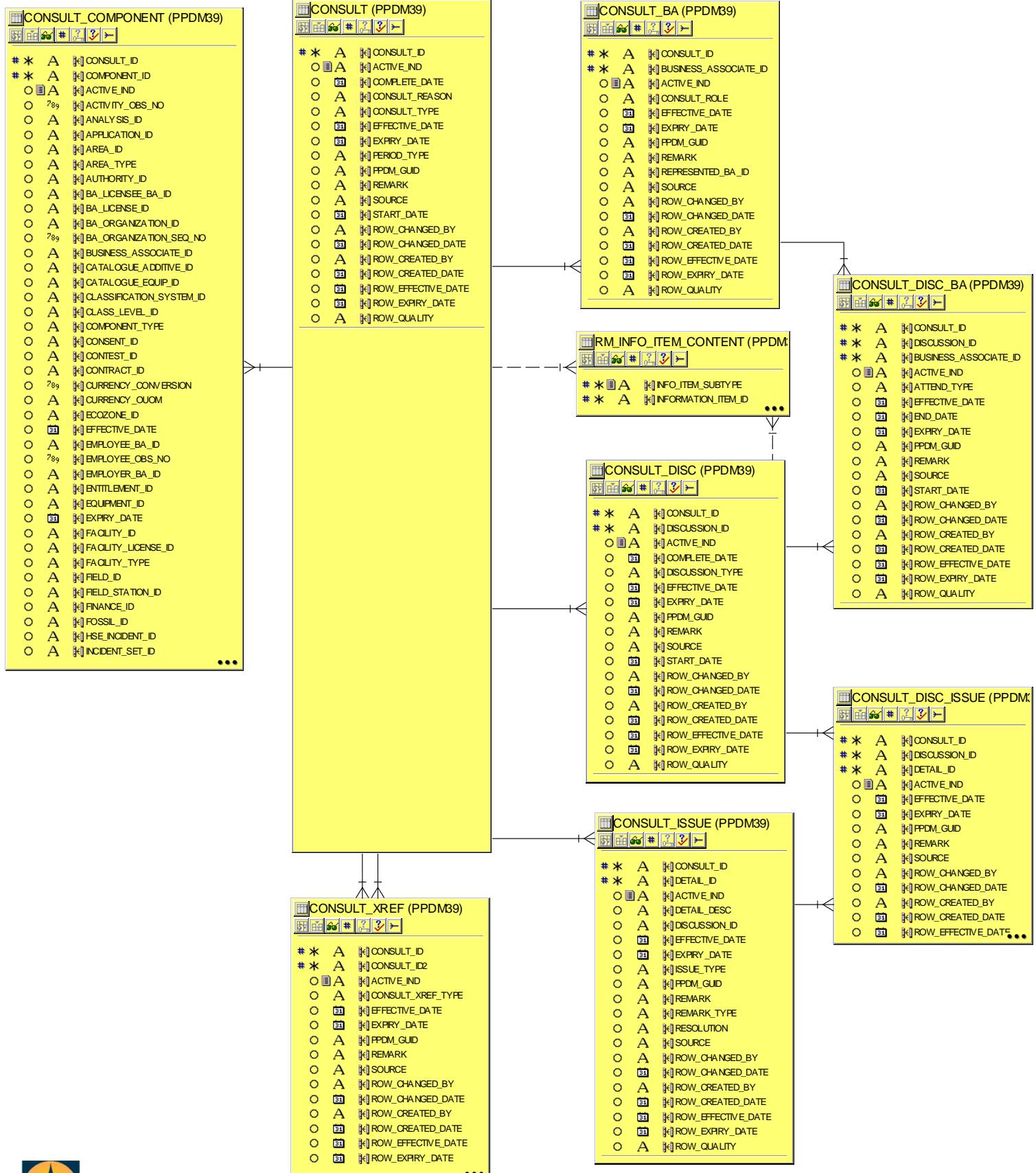
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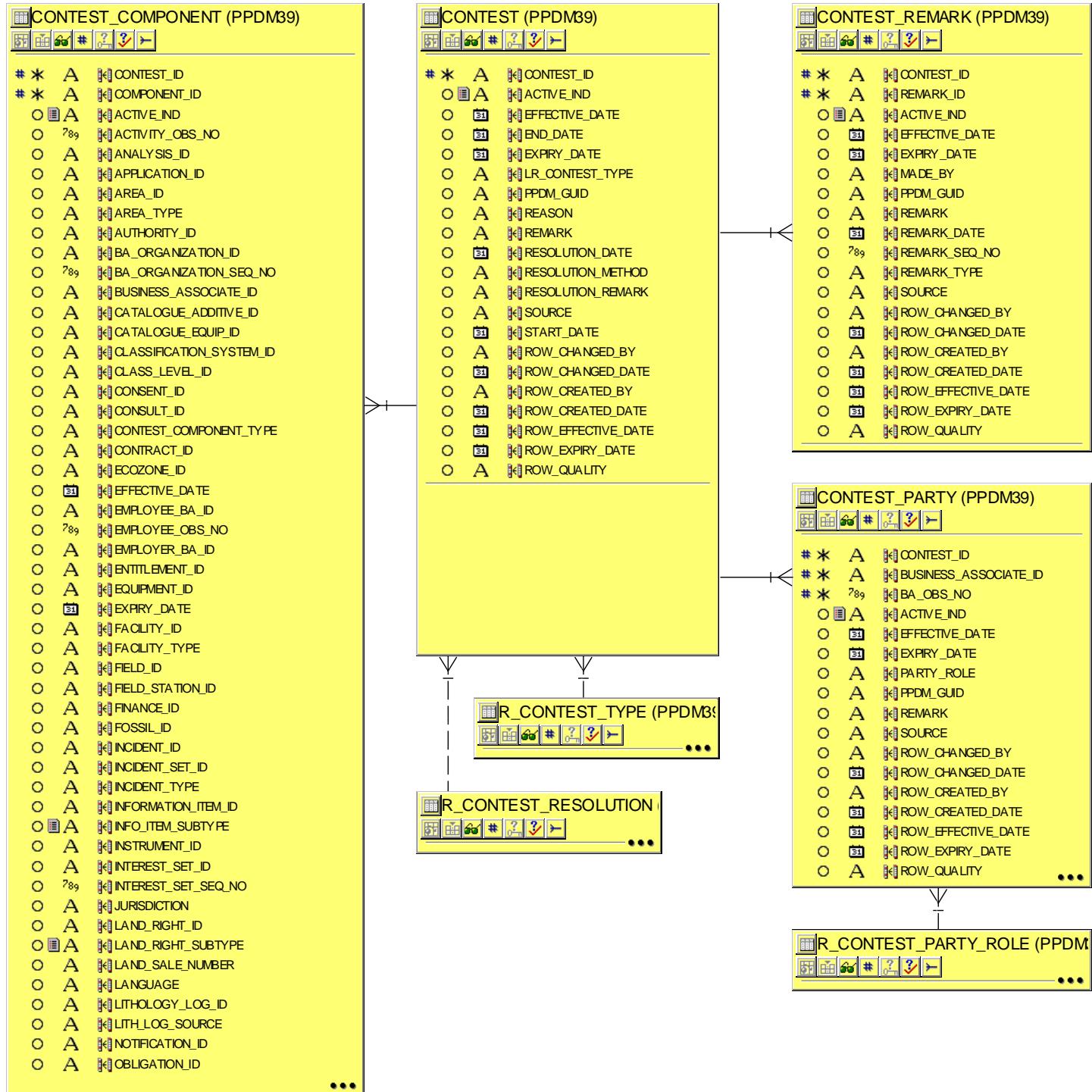
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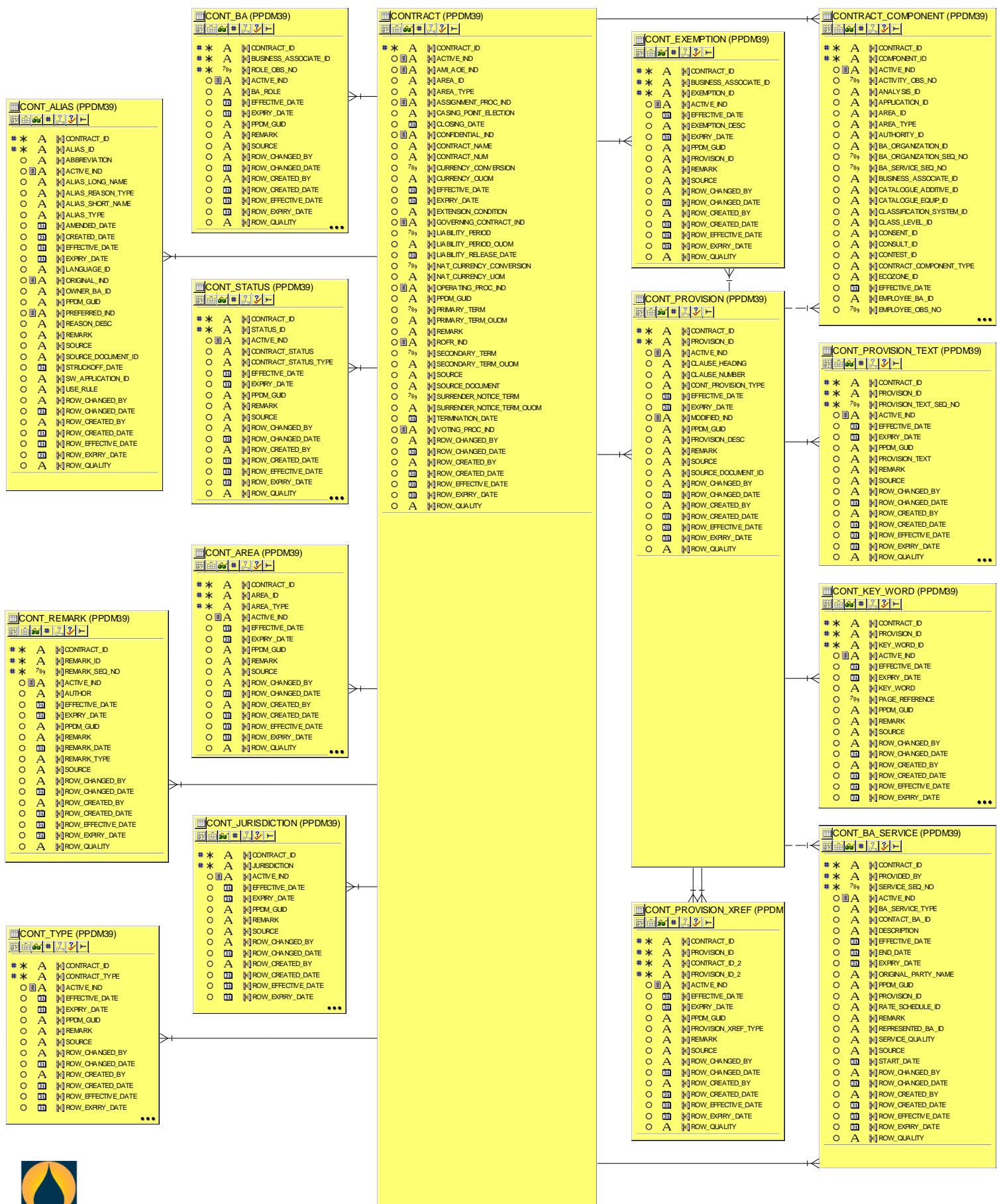
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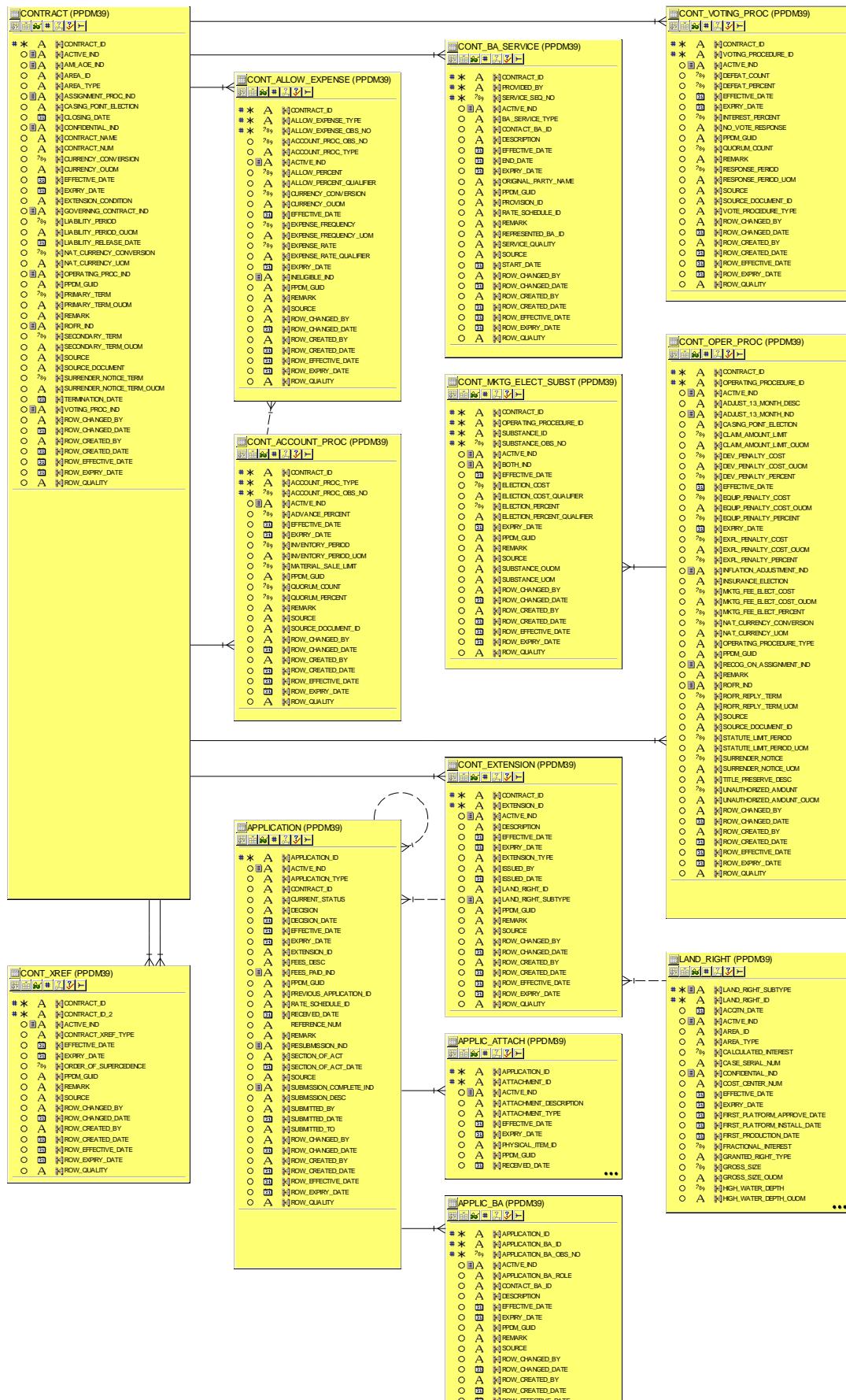
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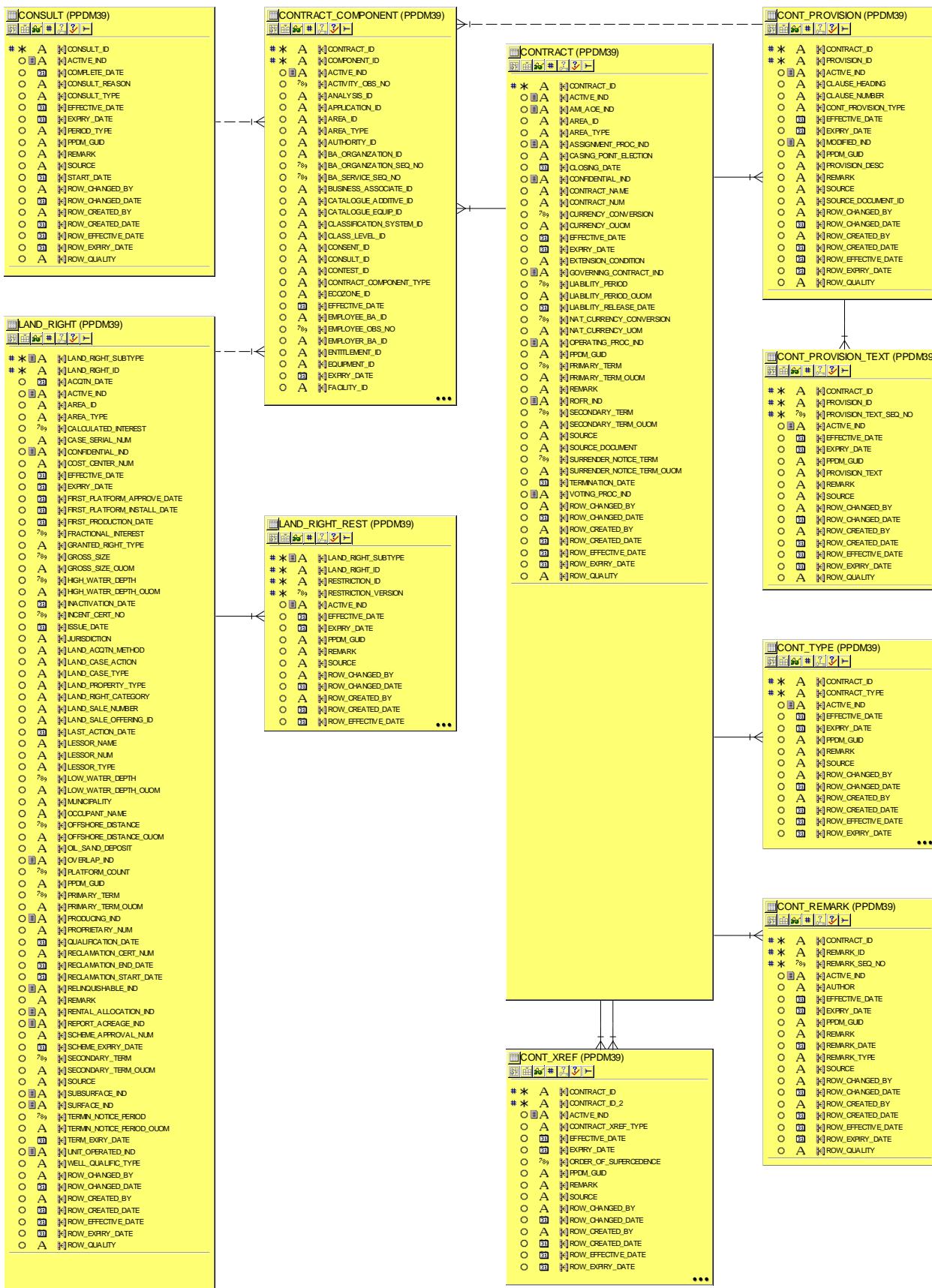
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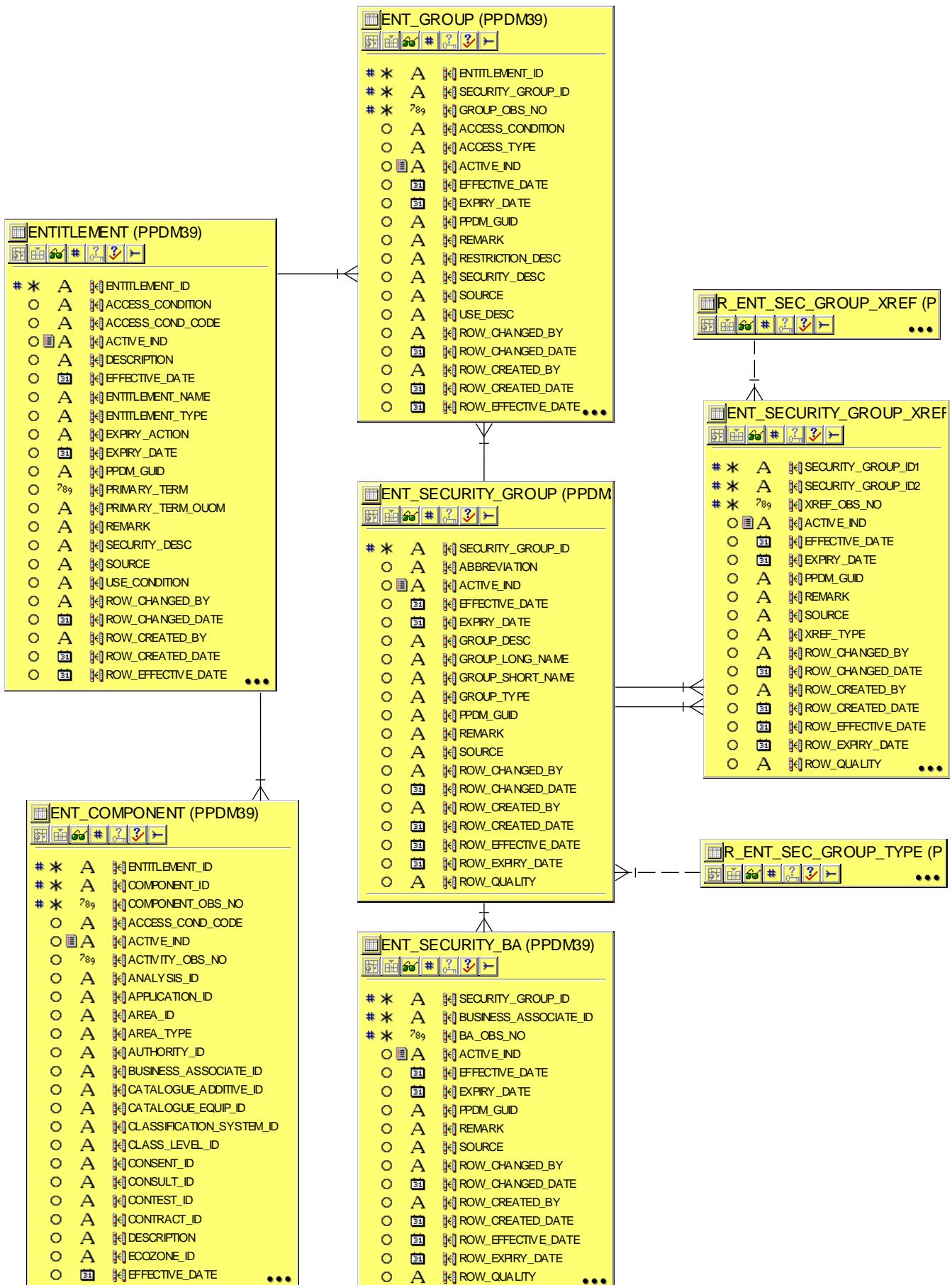
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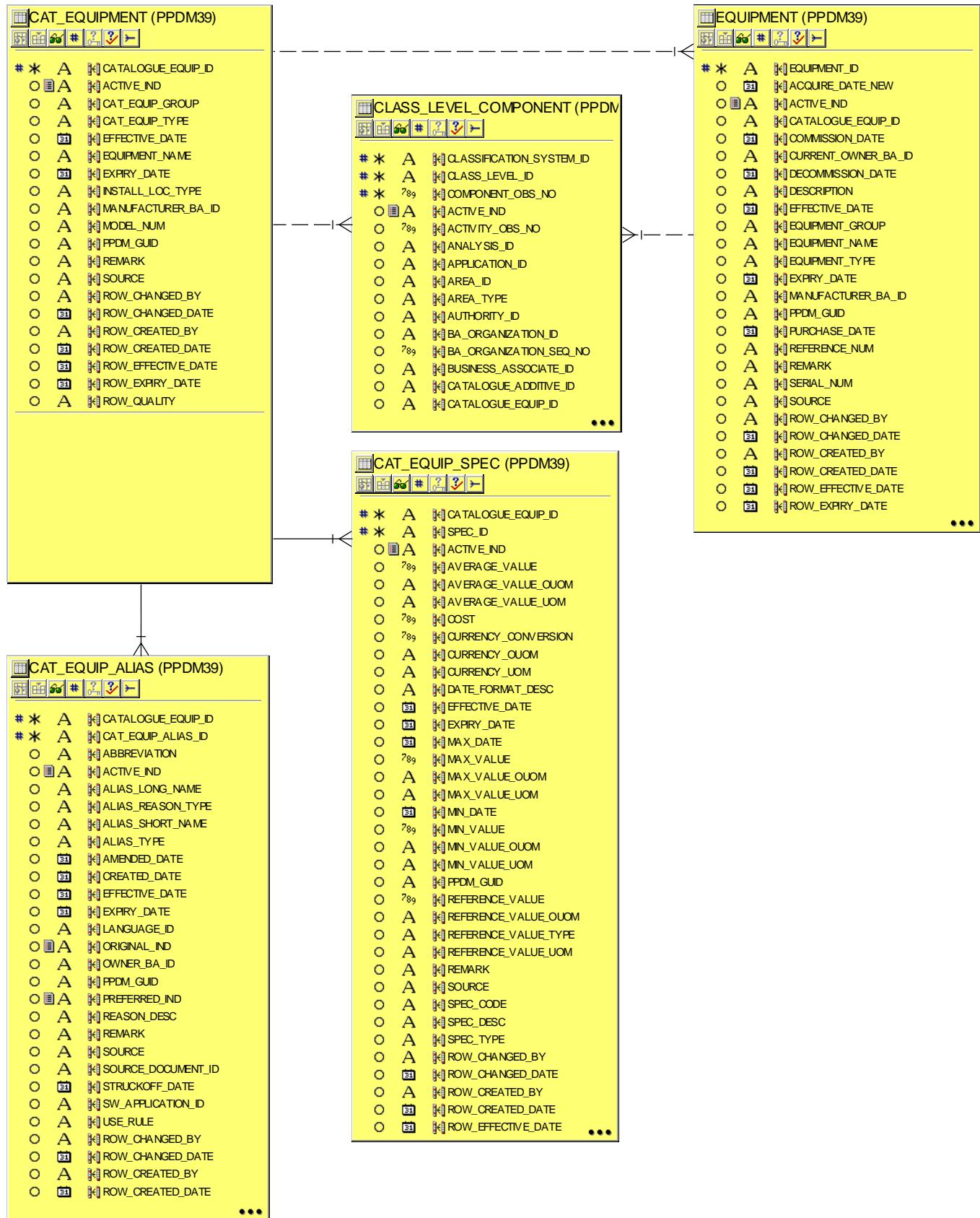
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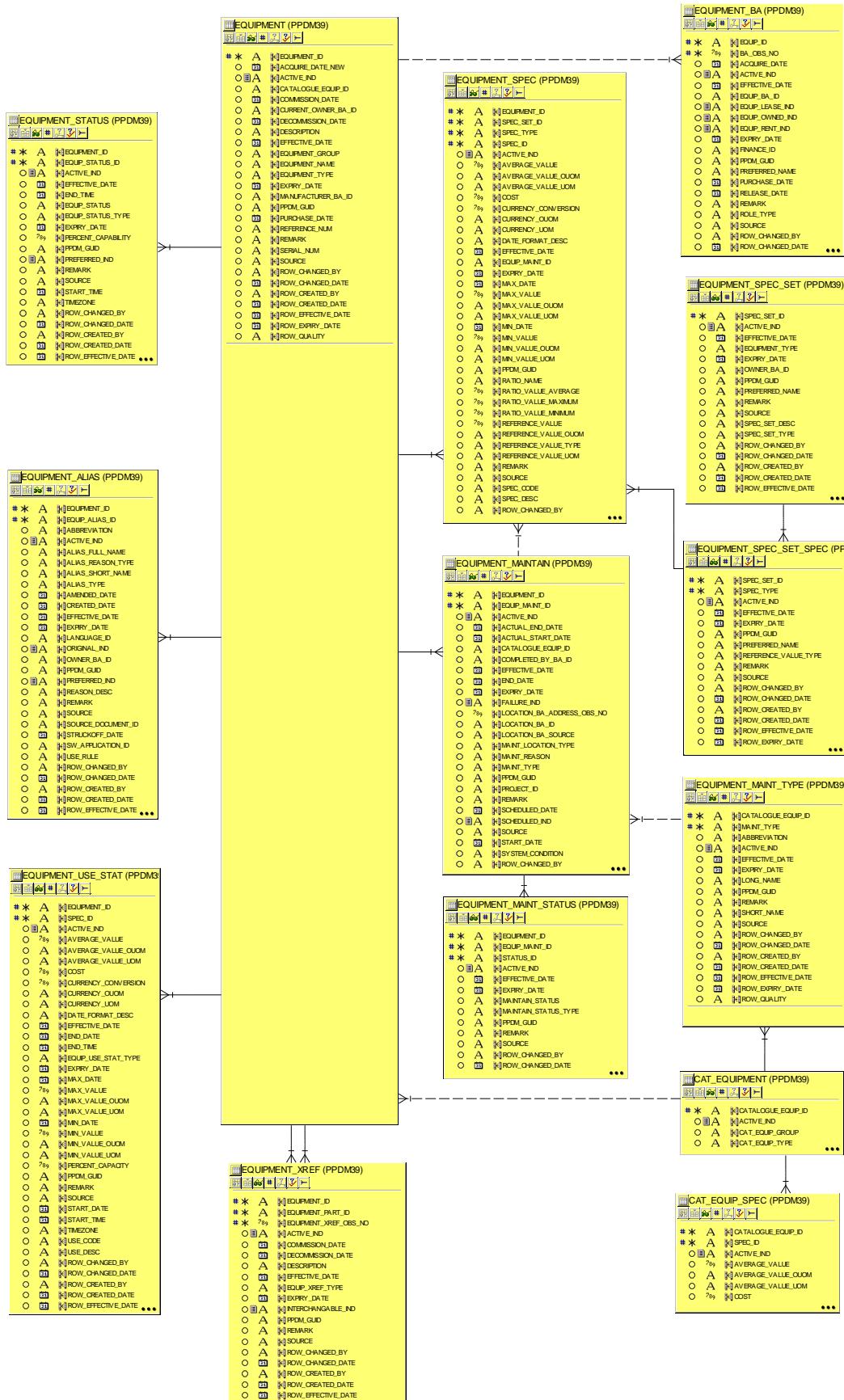
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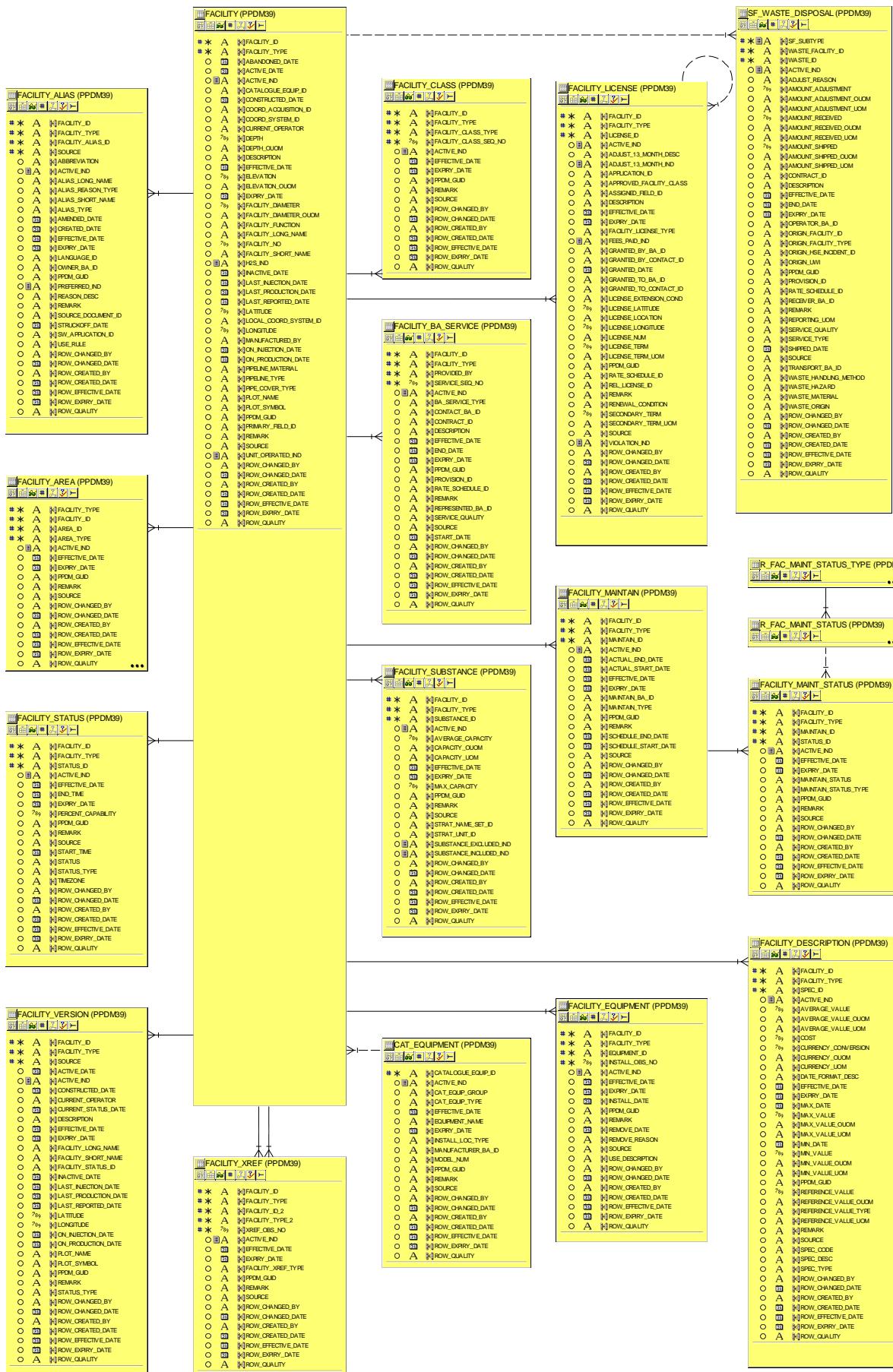
EQUIPMENT CATALOGUES



EQUIPMENT REAL



FACILITY



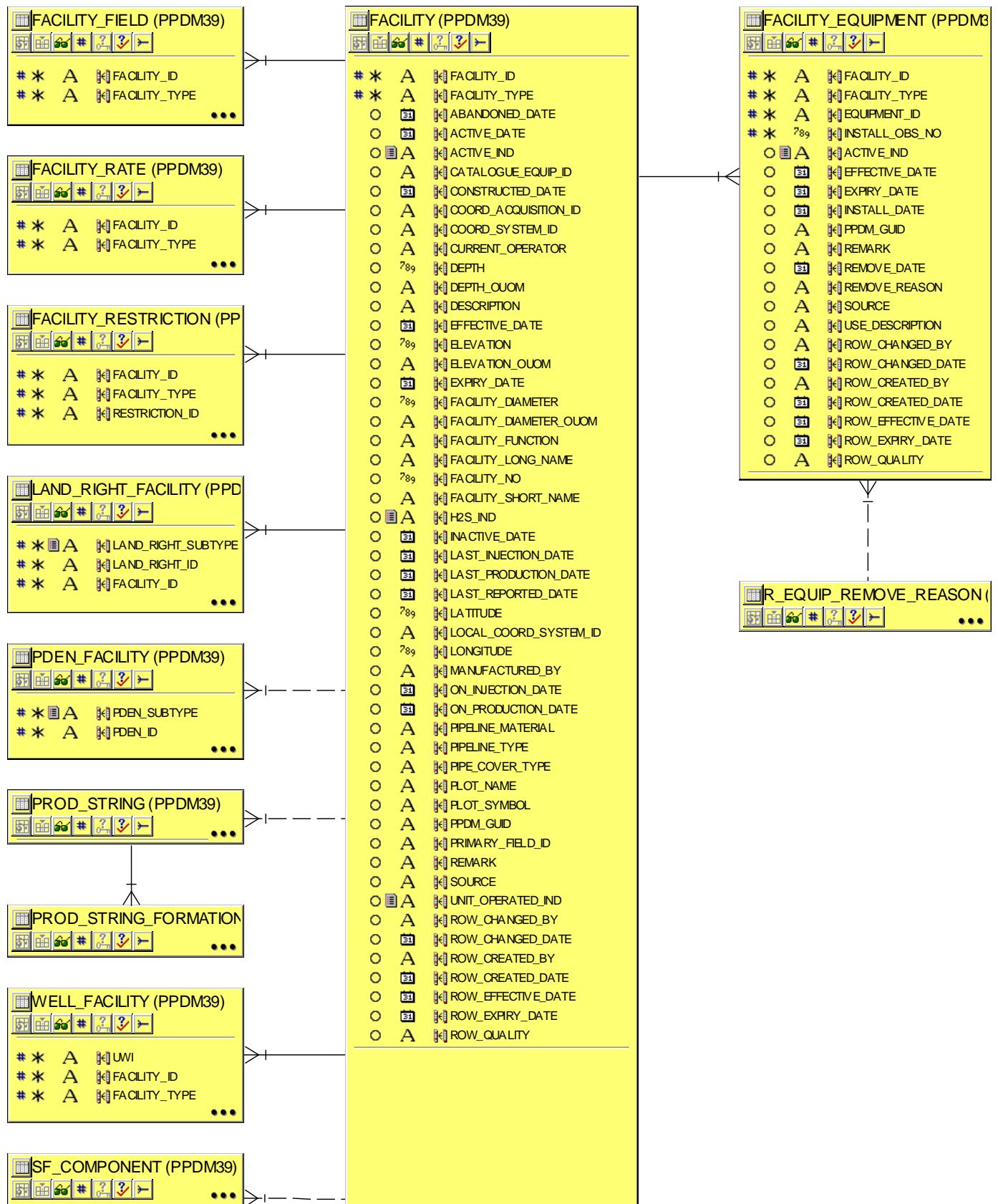
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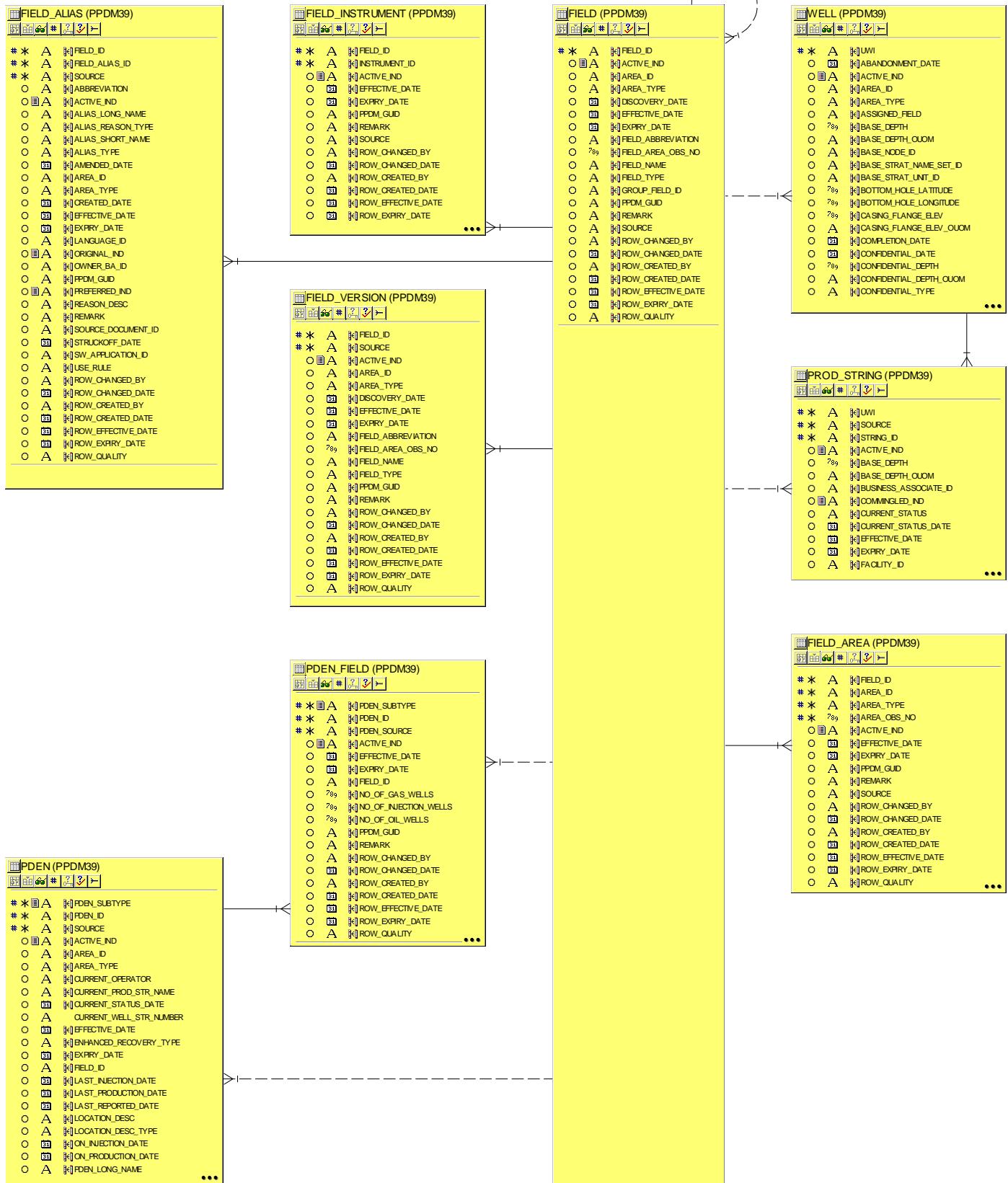
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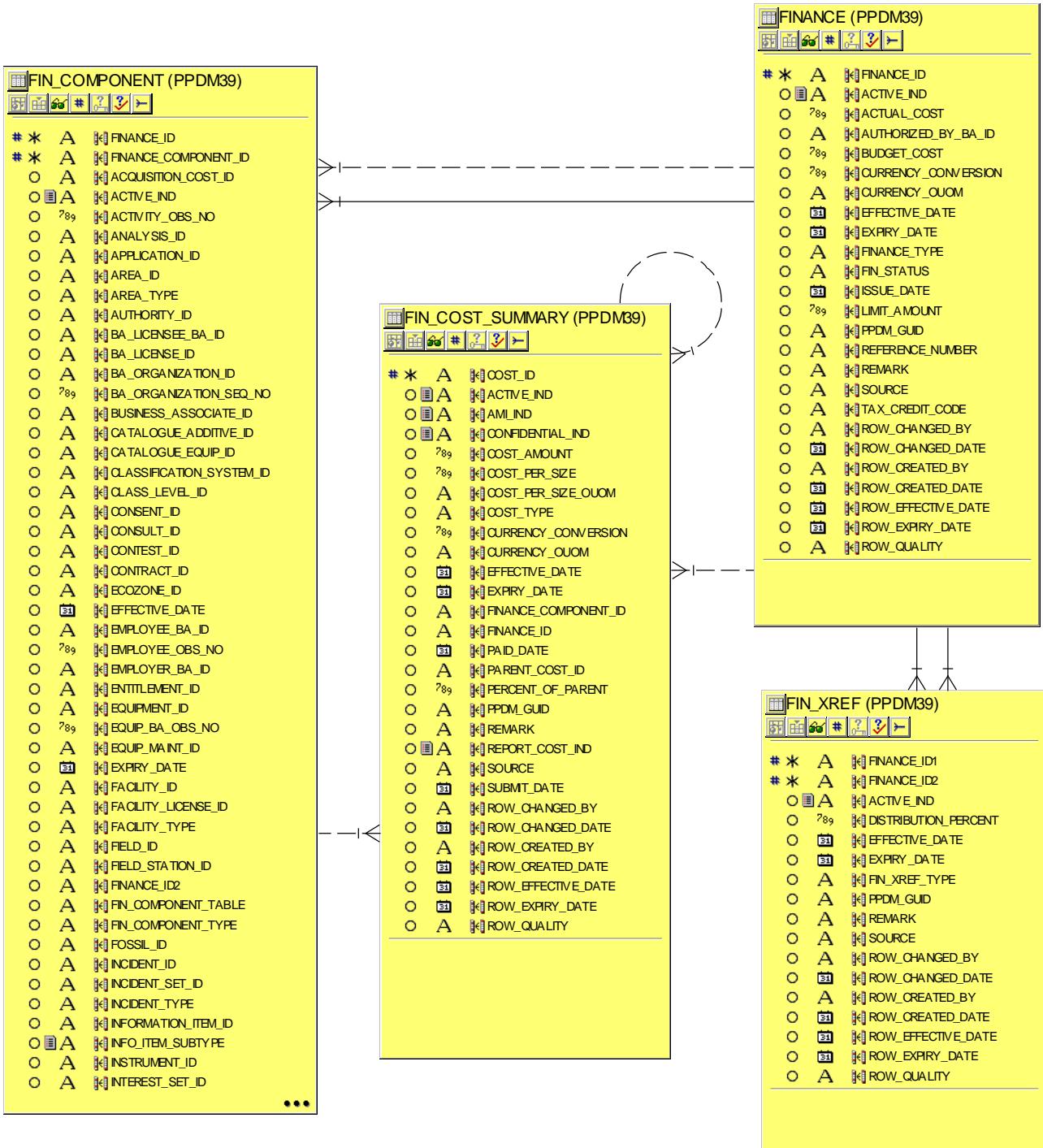
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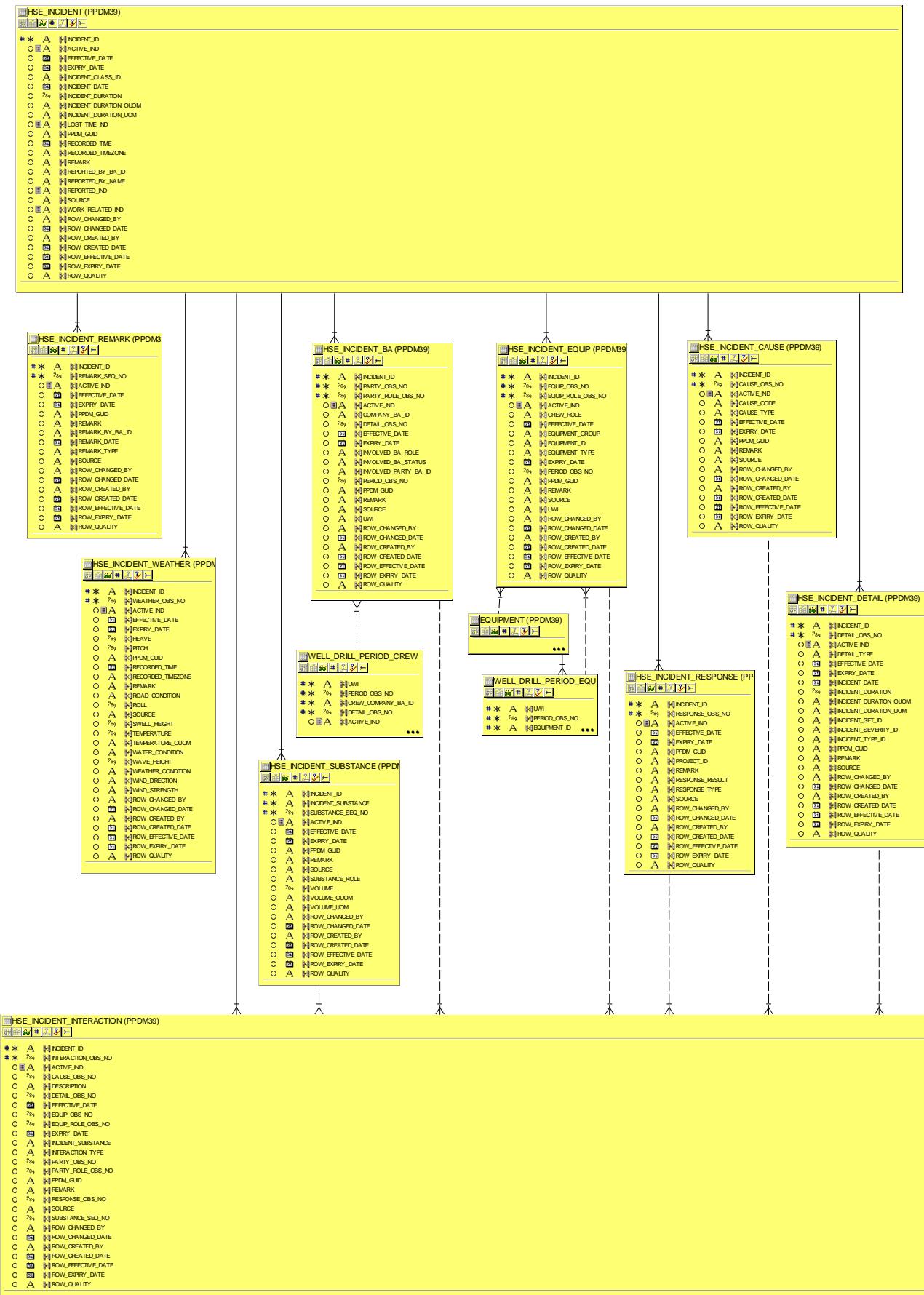
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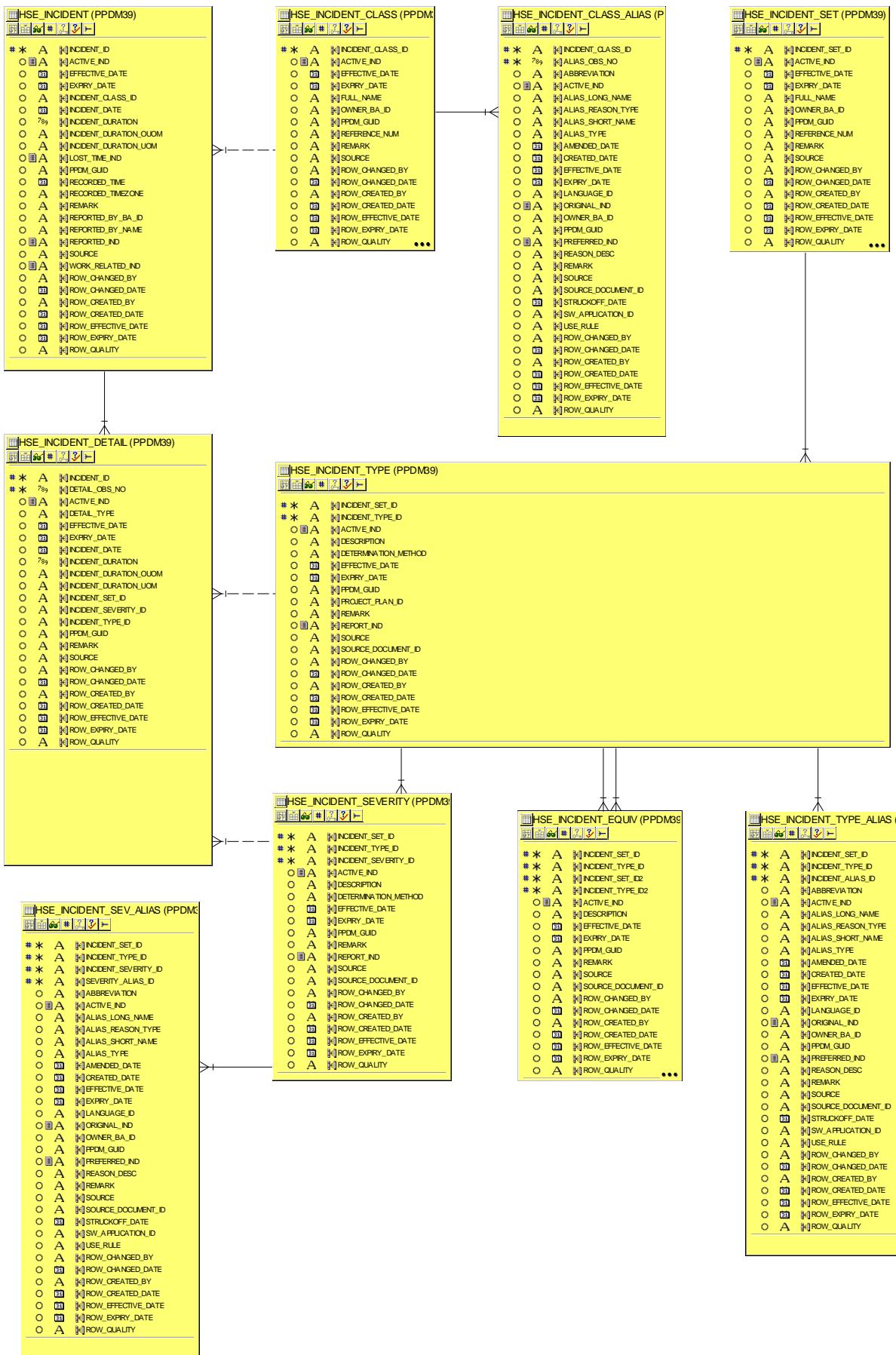
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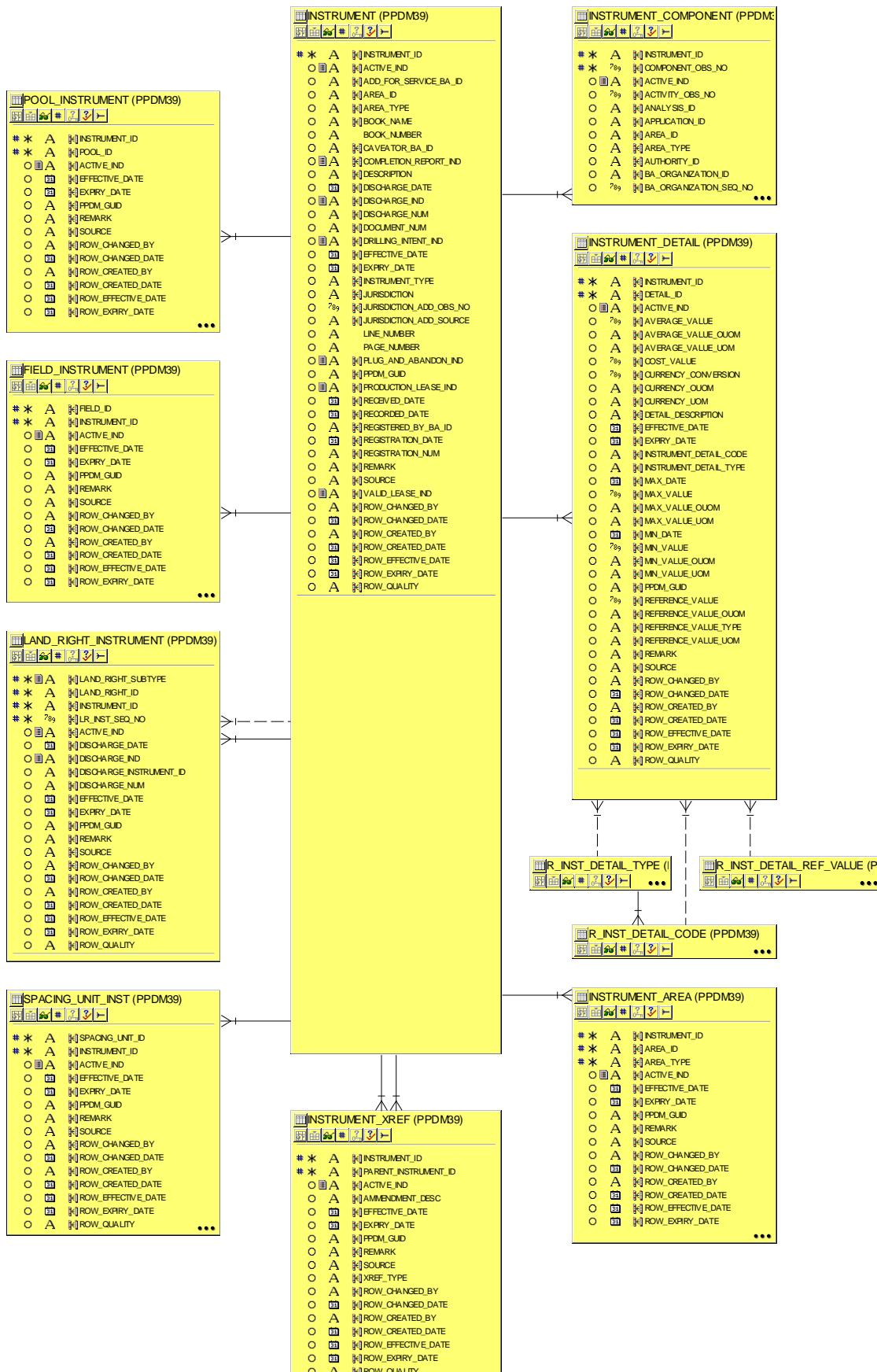
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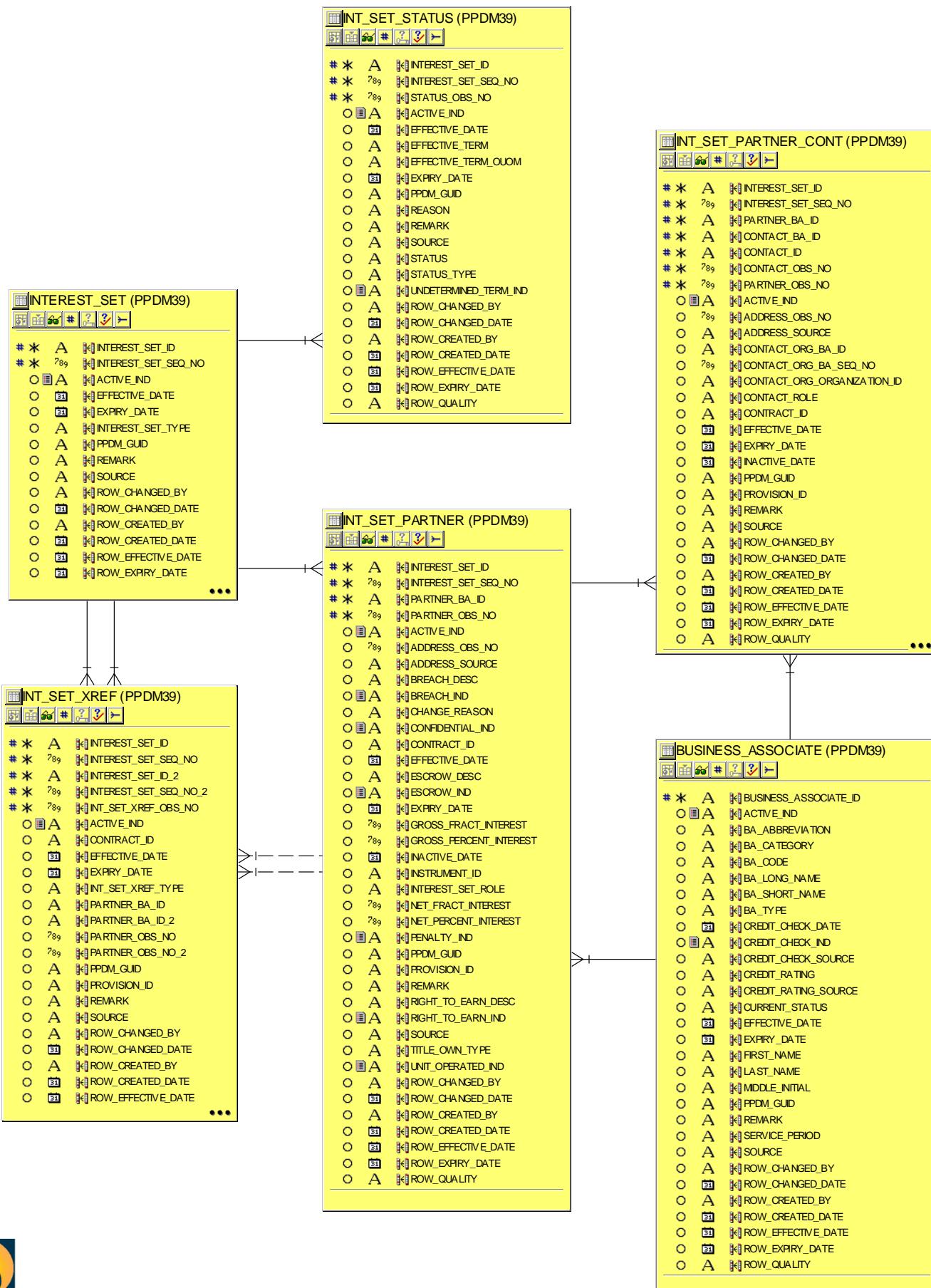
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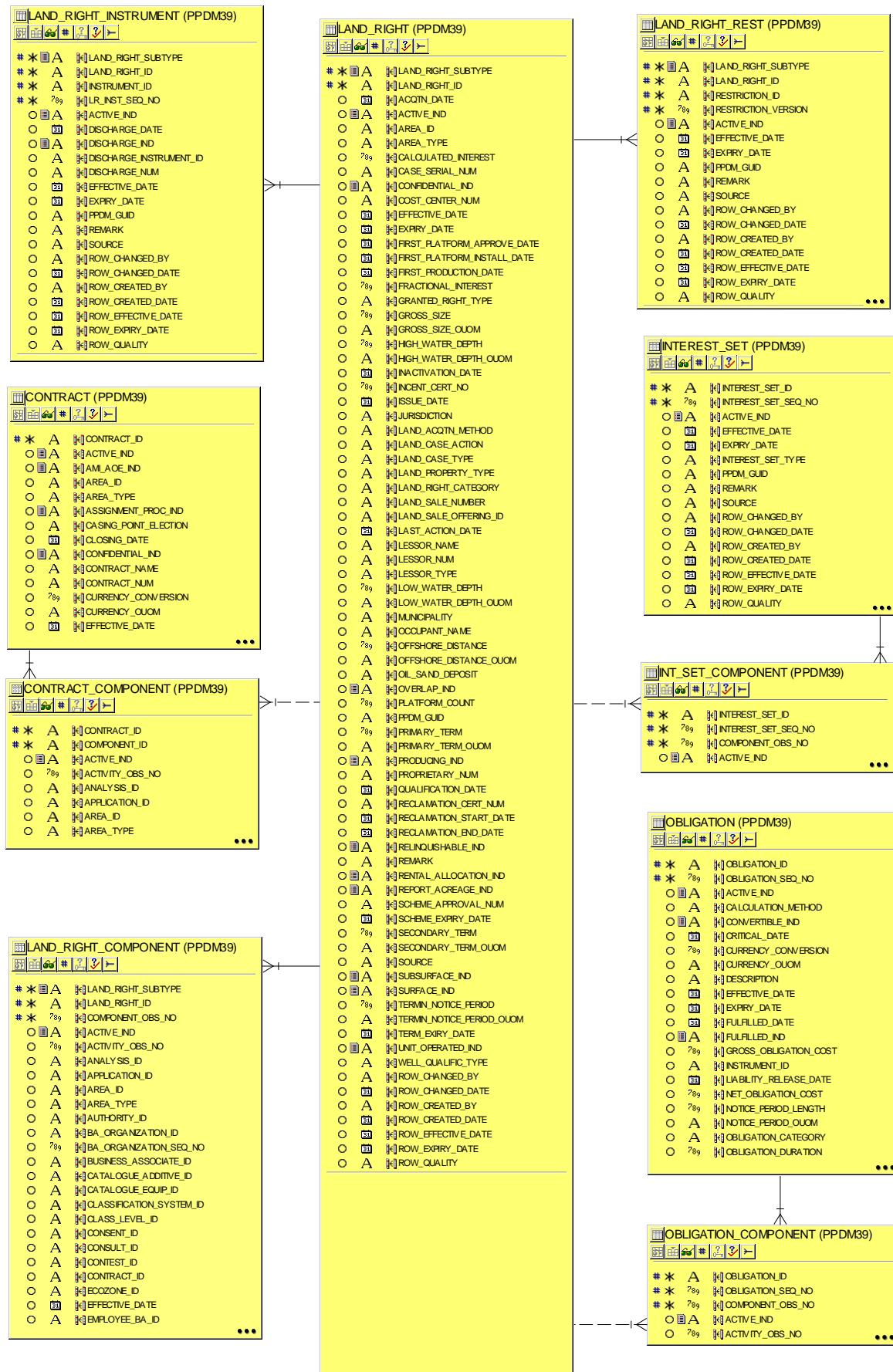
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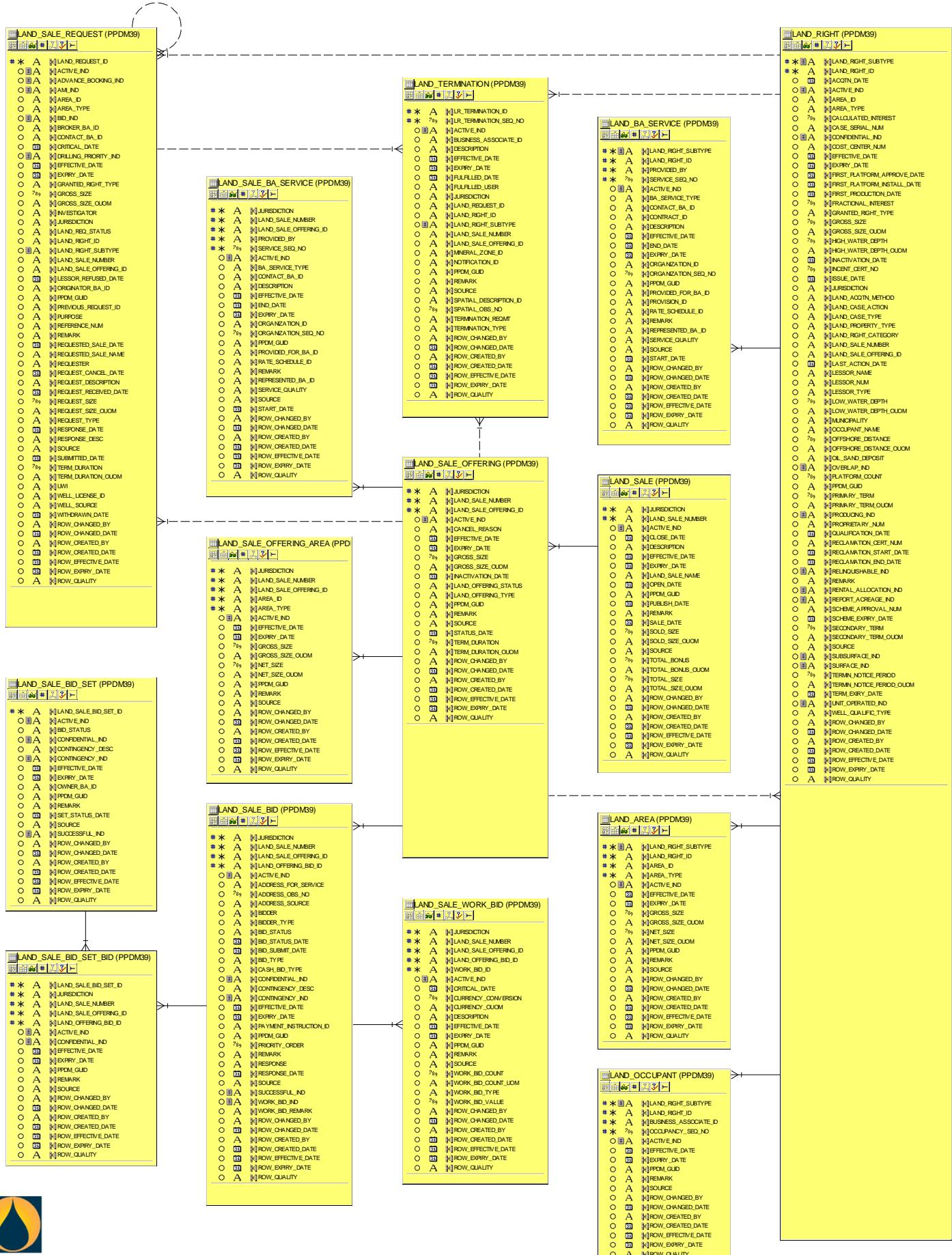
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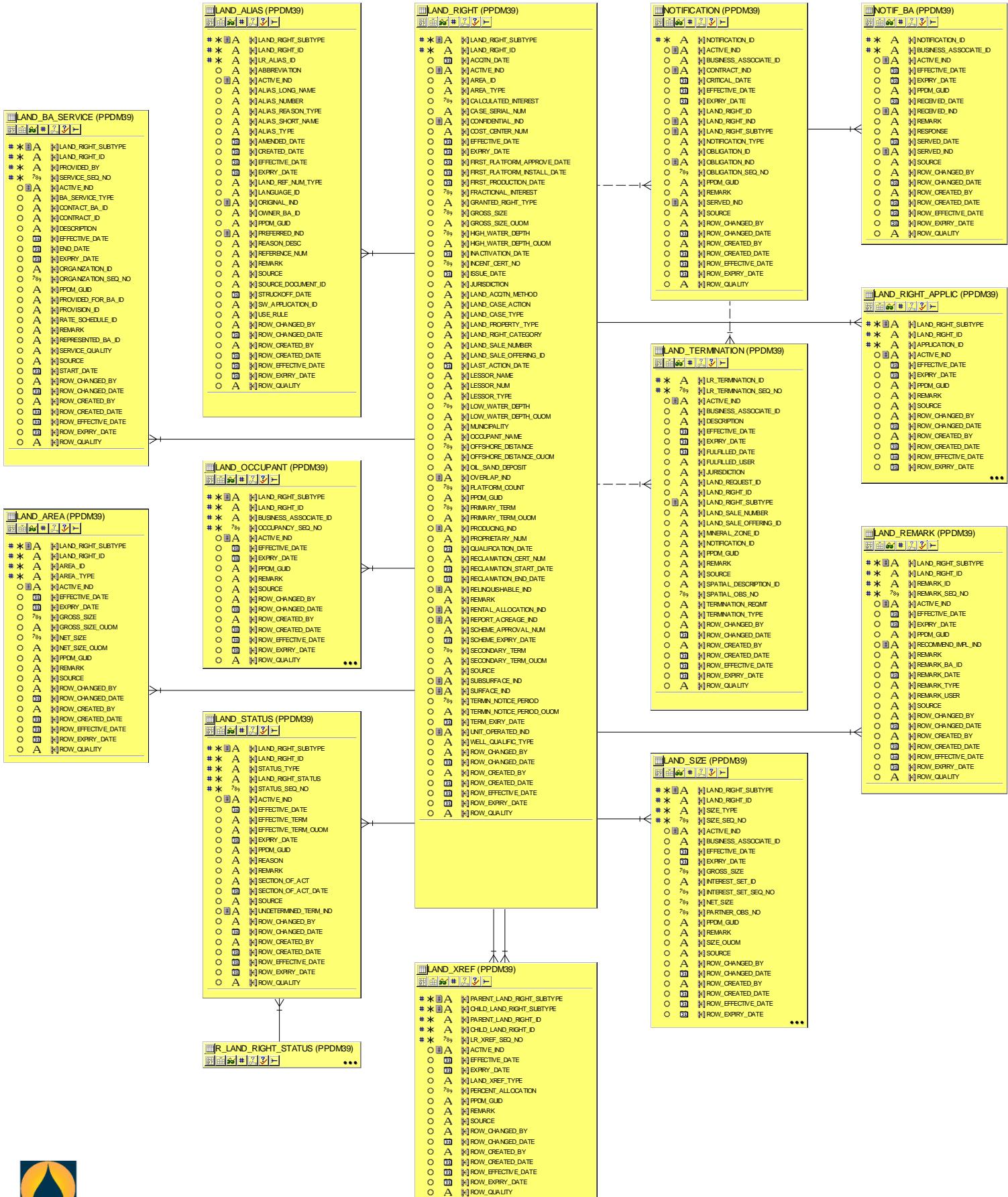
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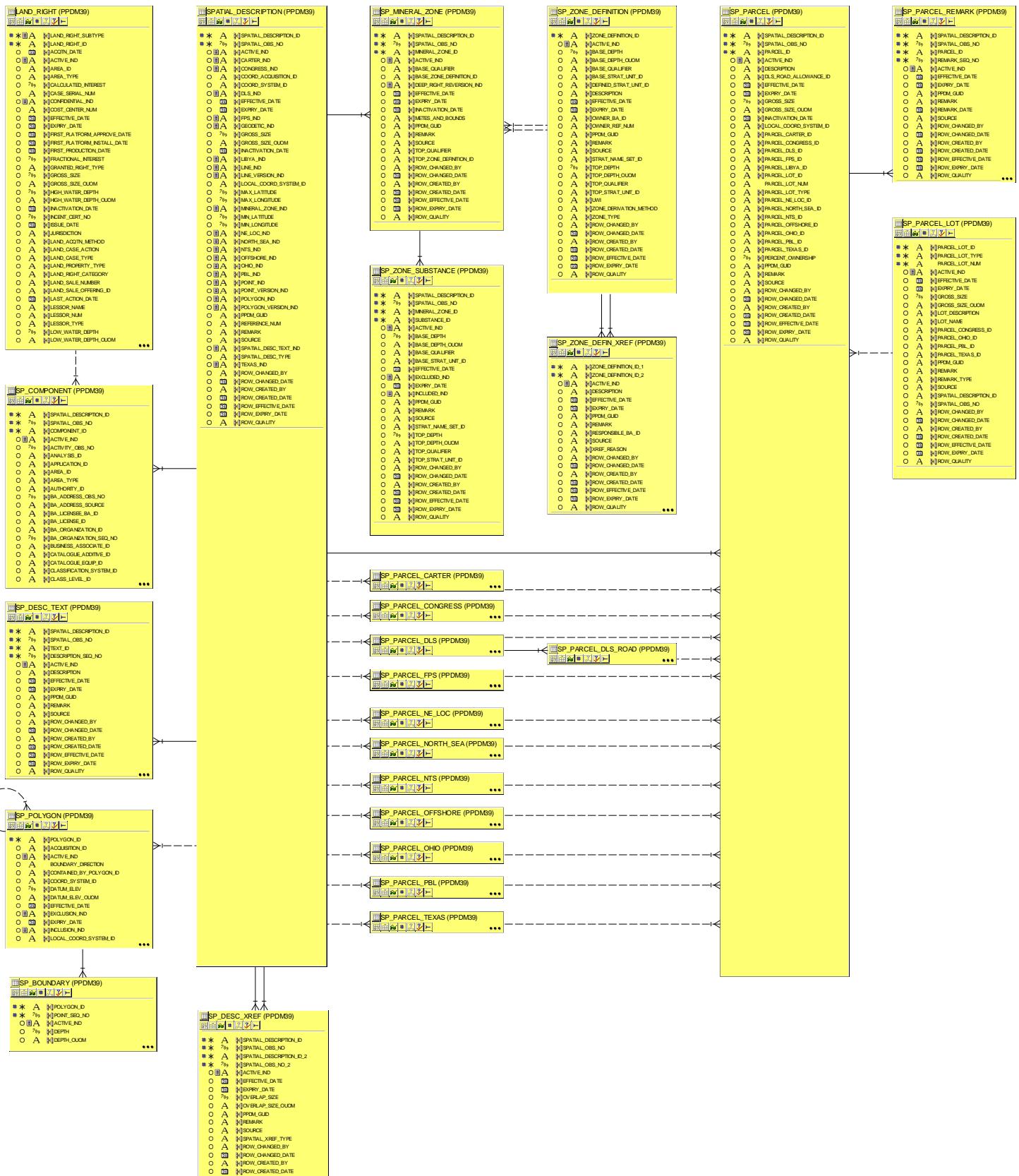
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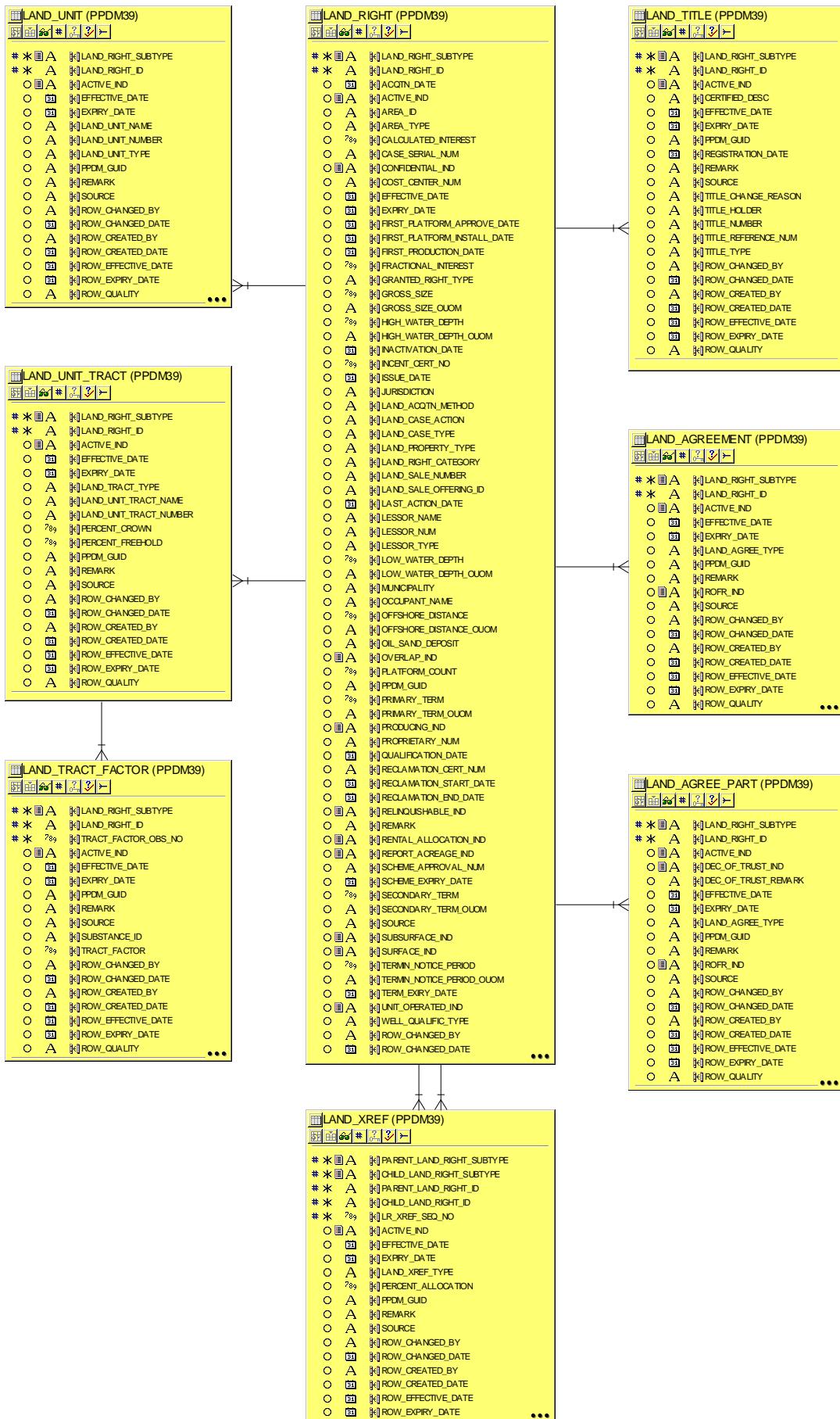
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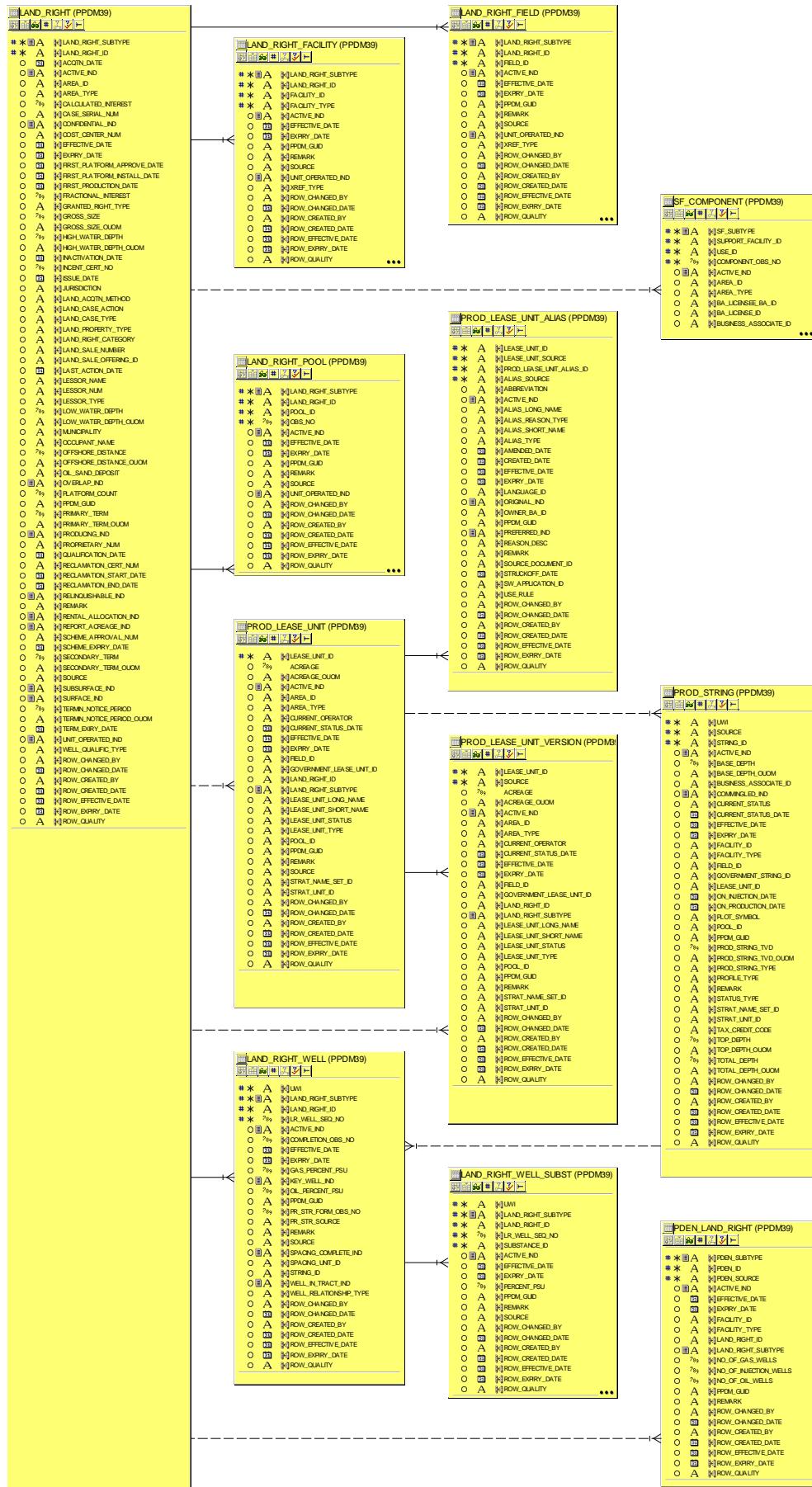
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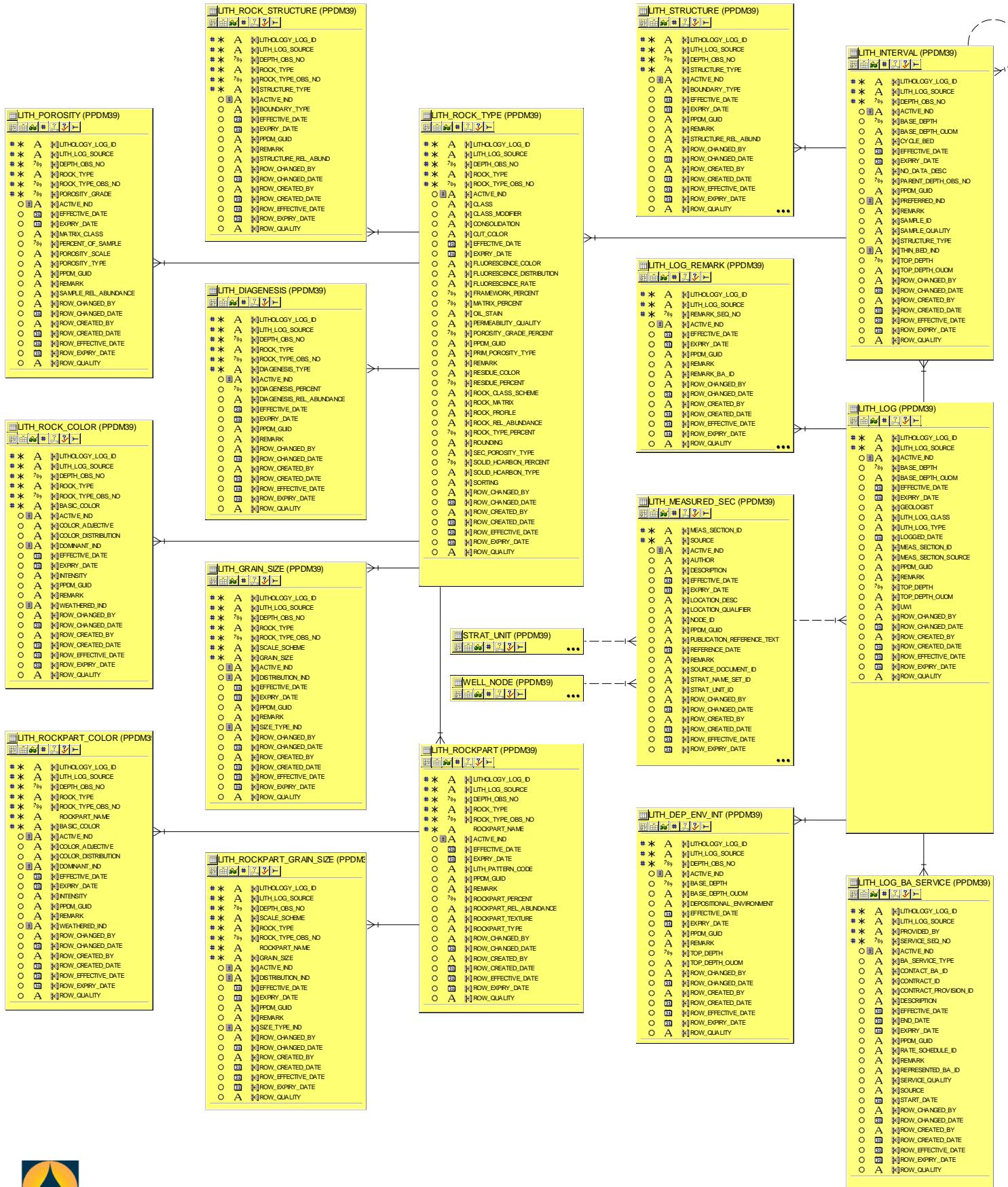
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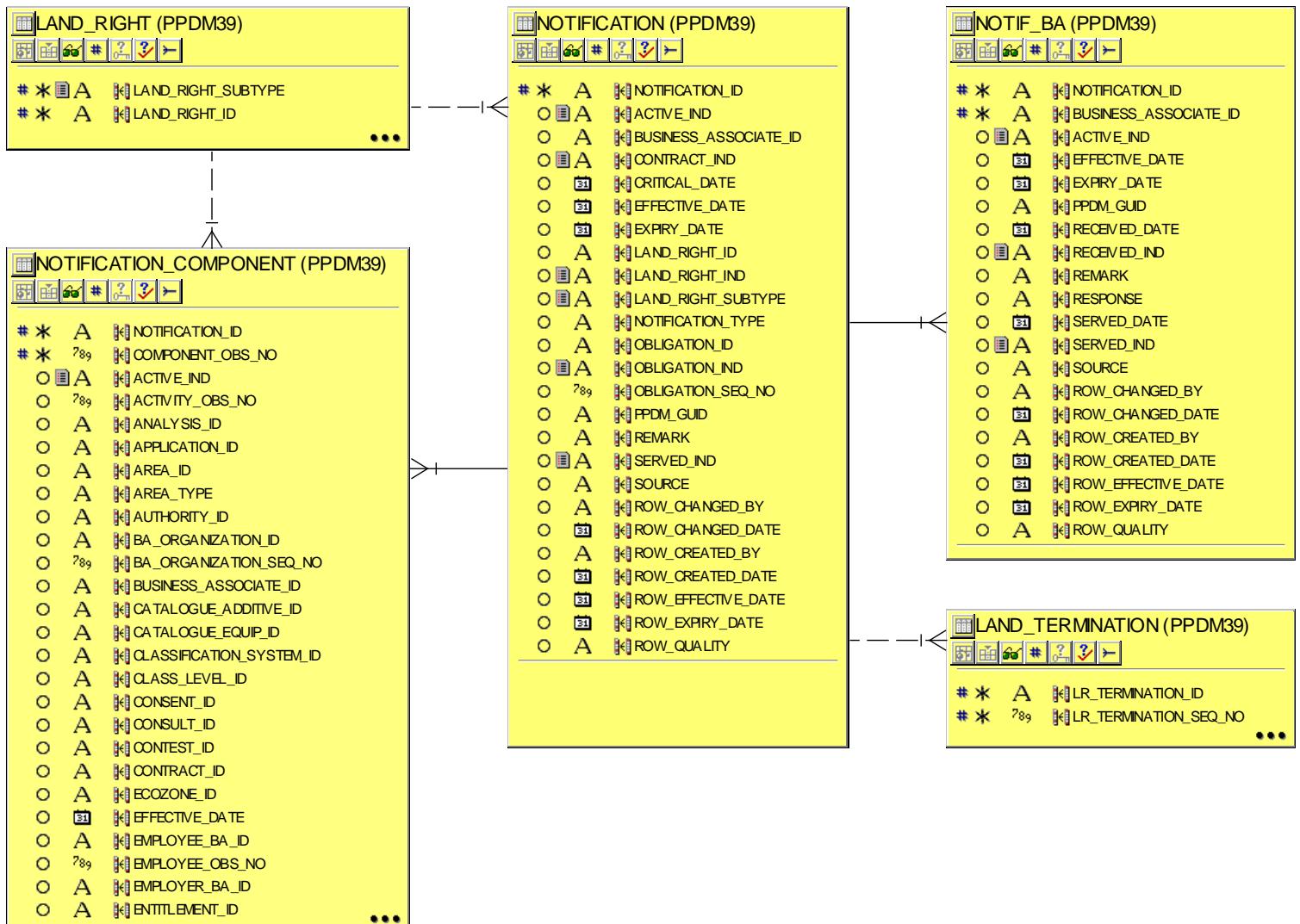
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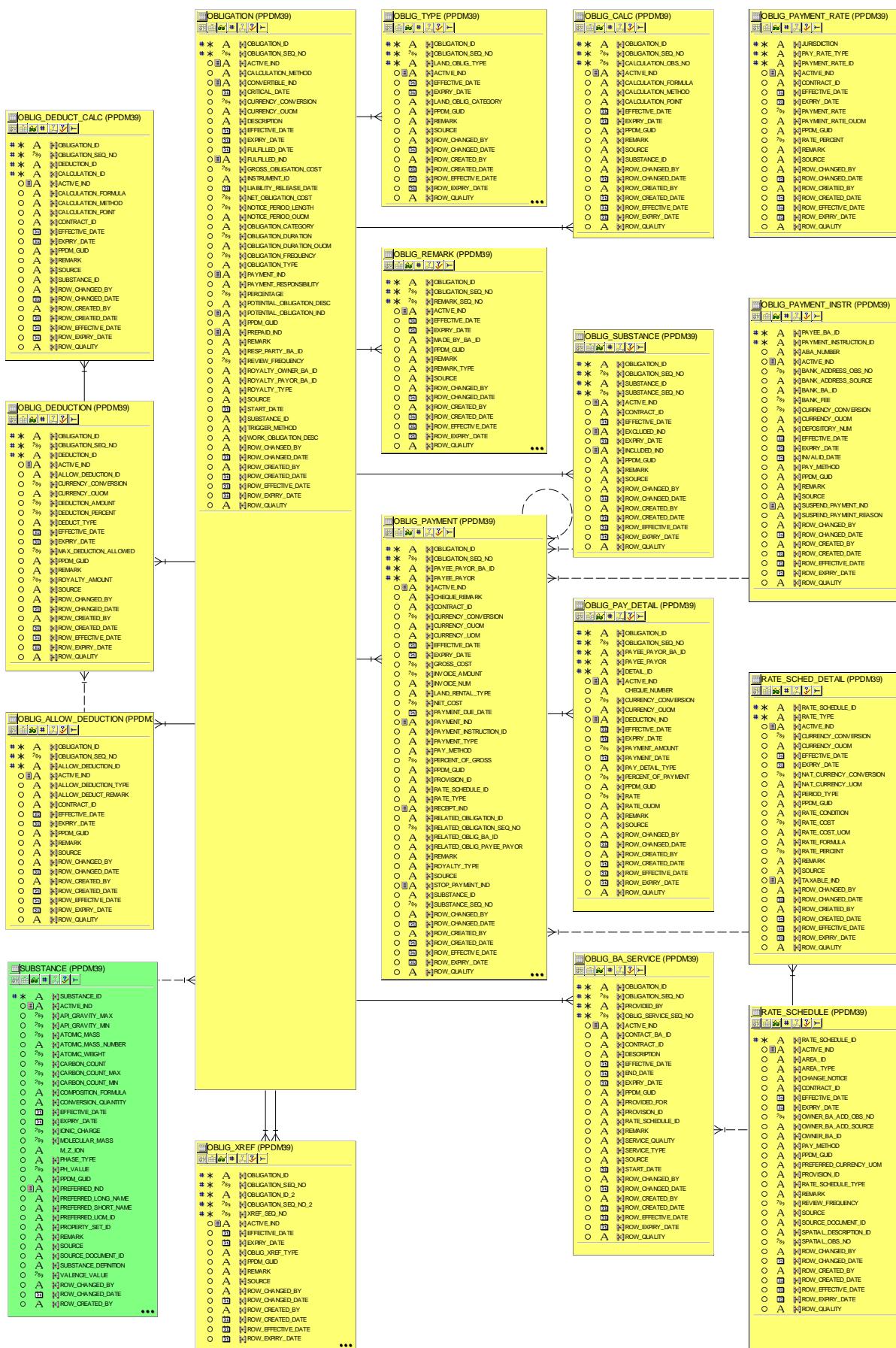
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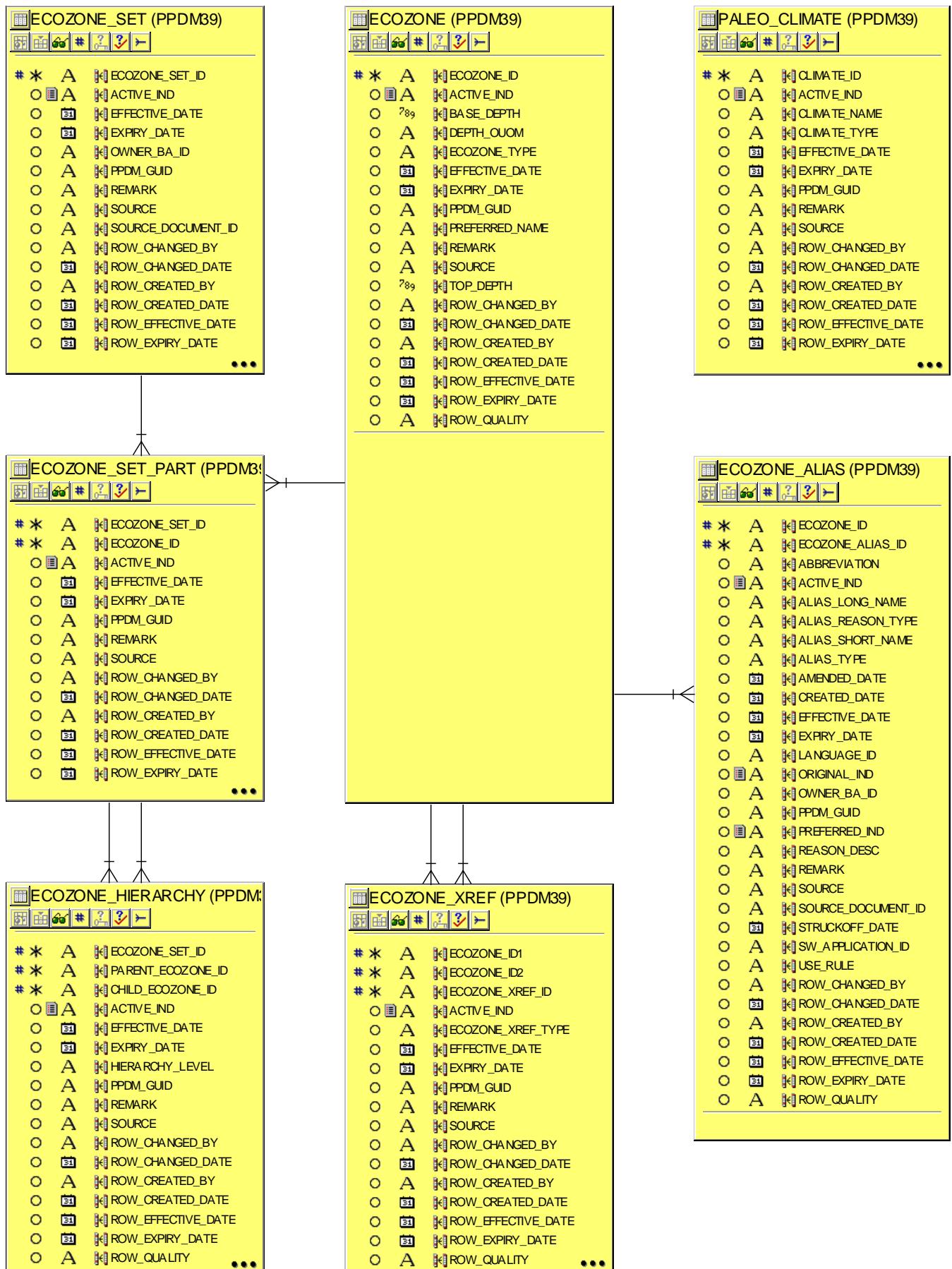
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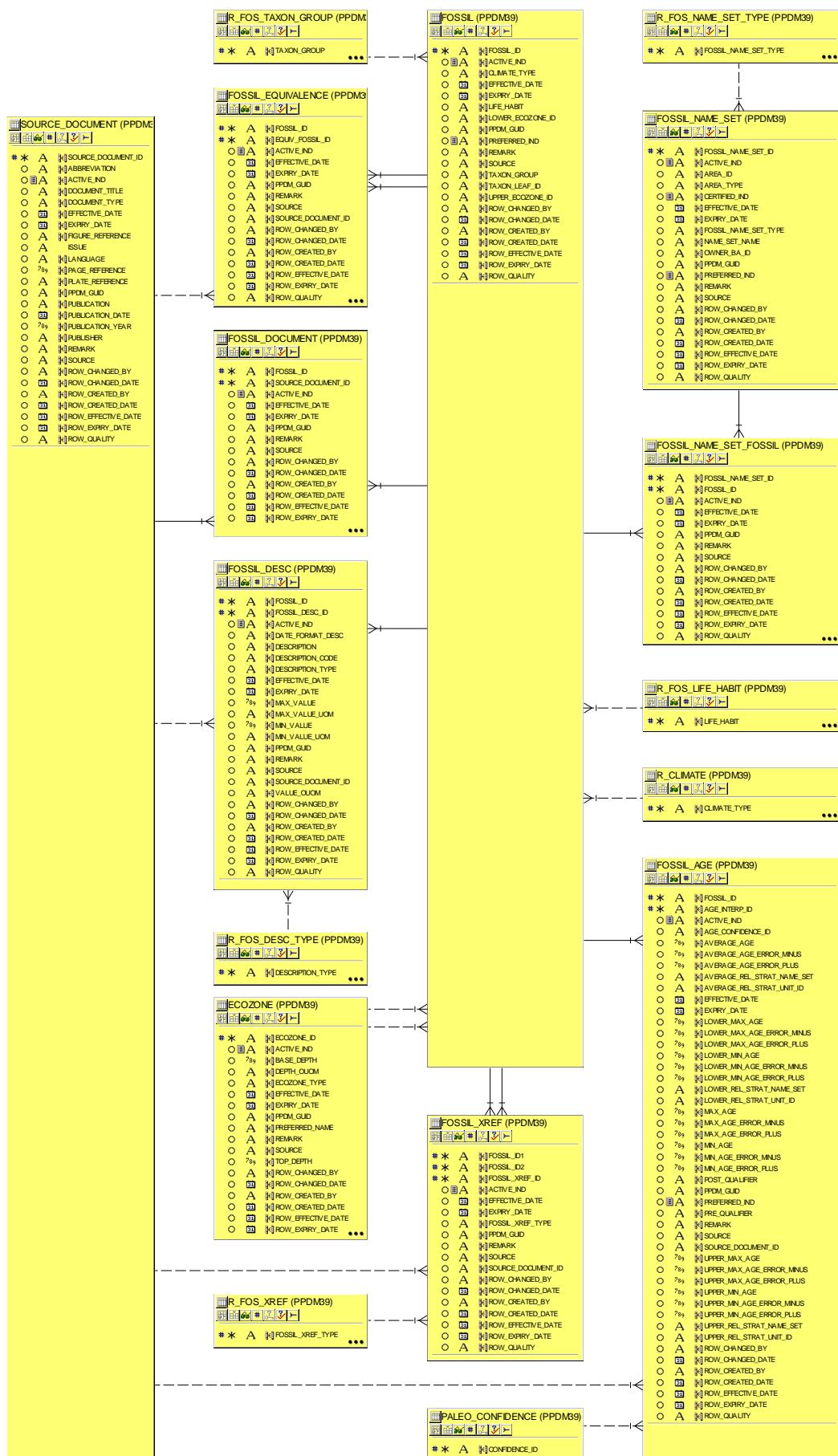
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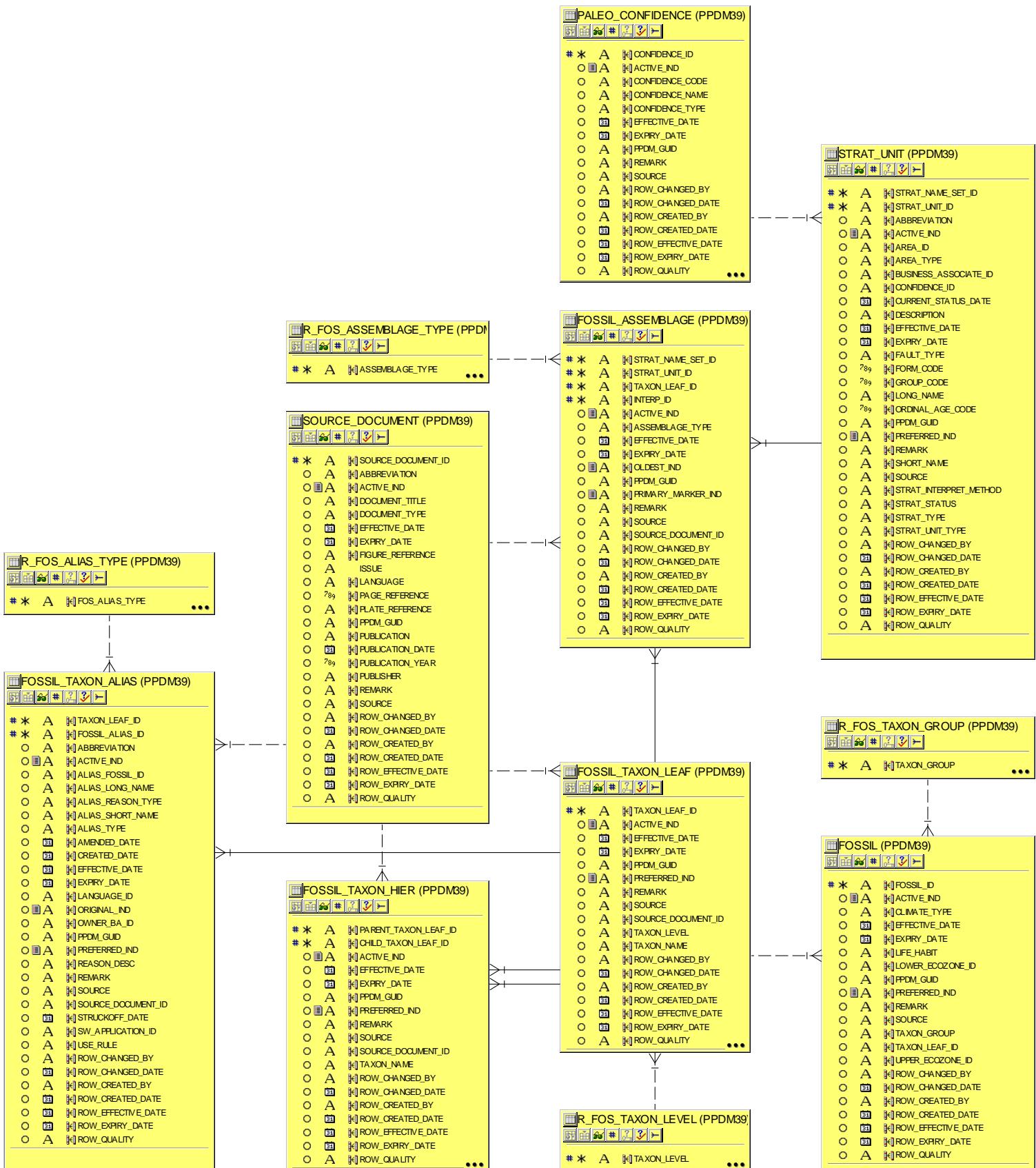
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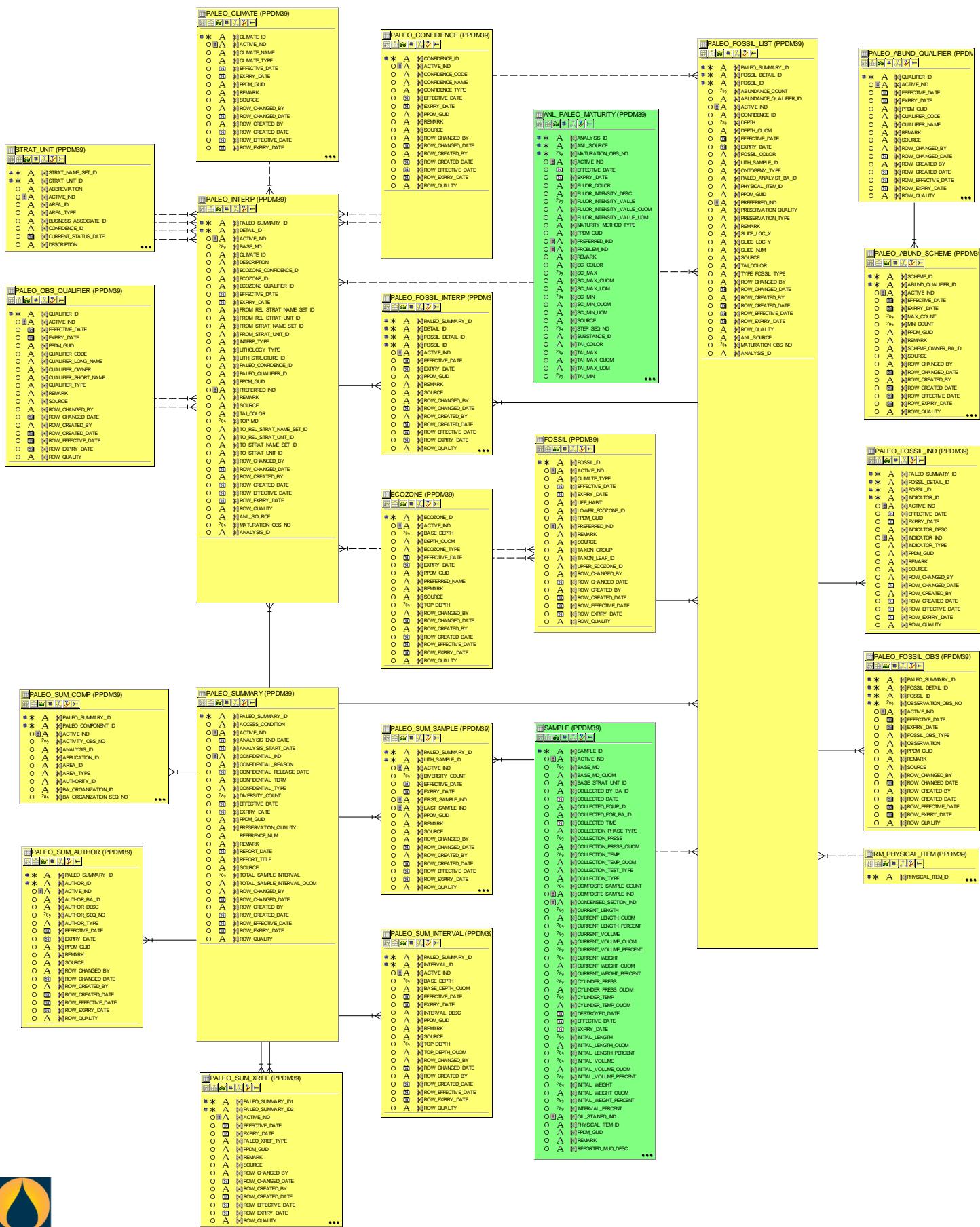
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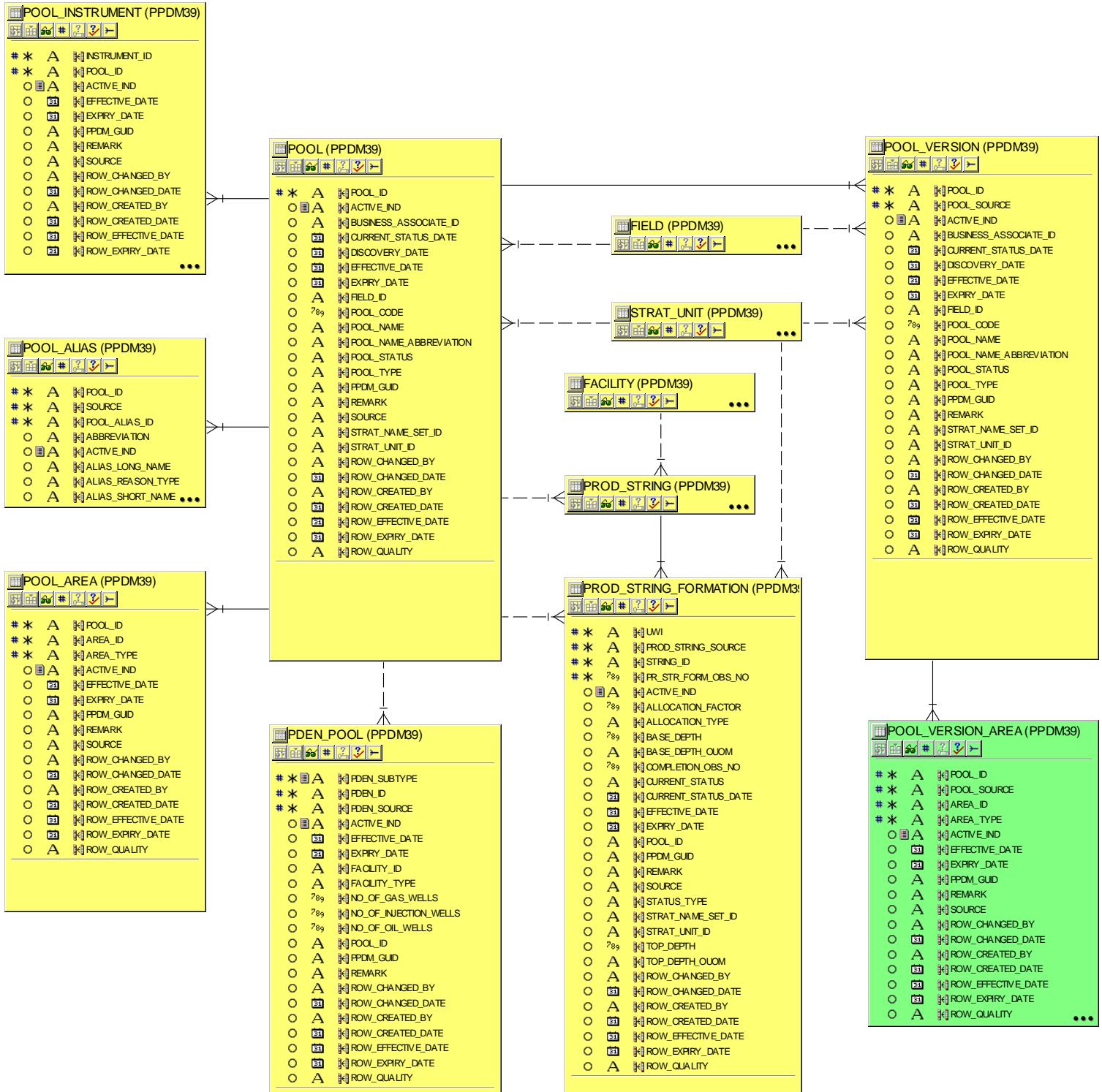
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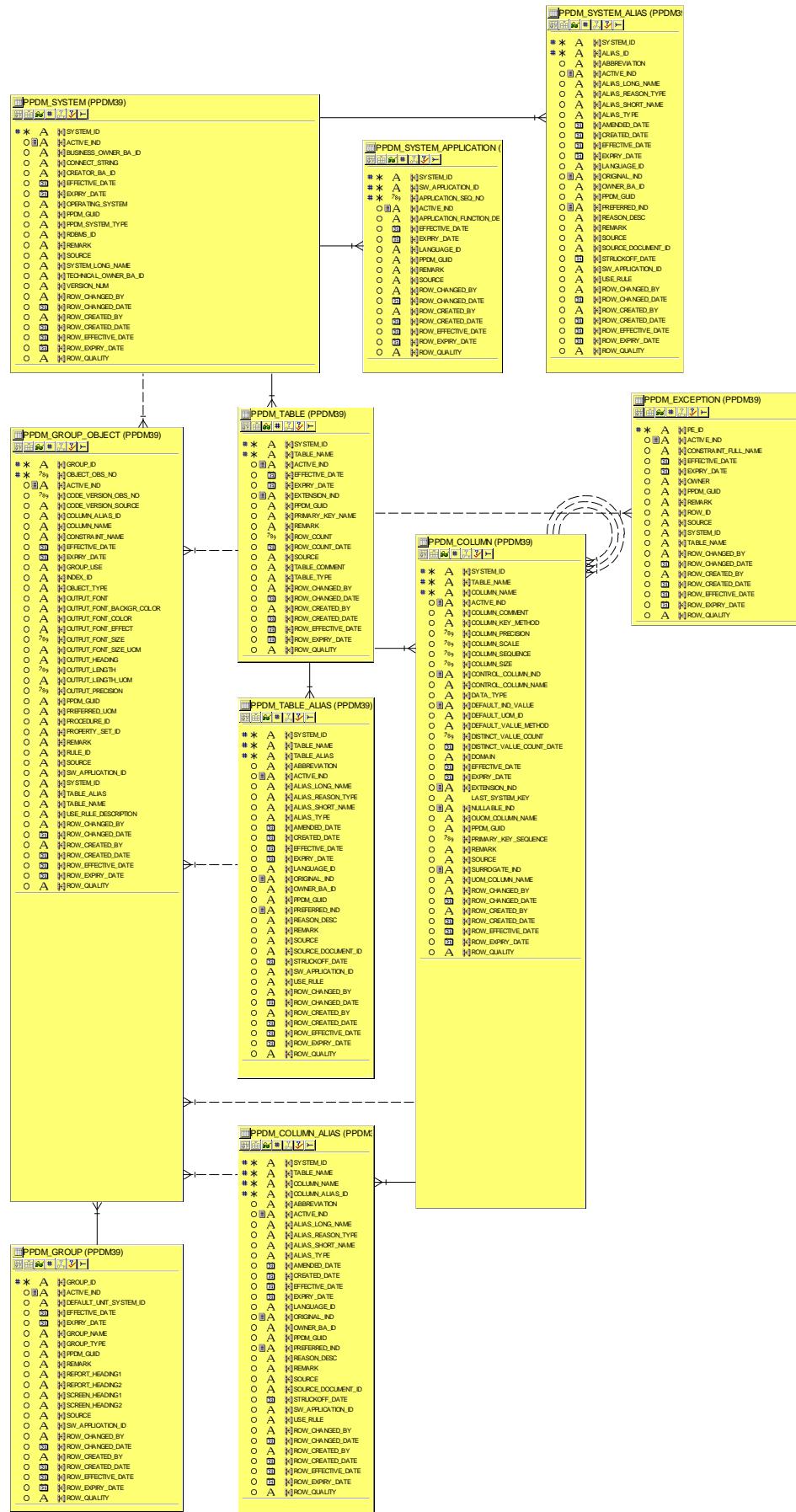
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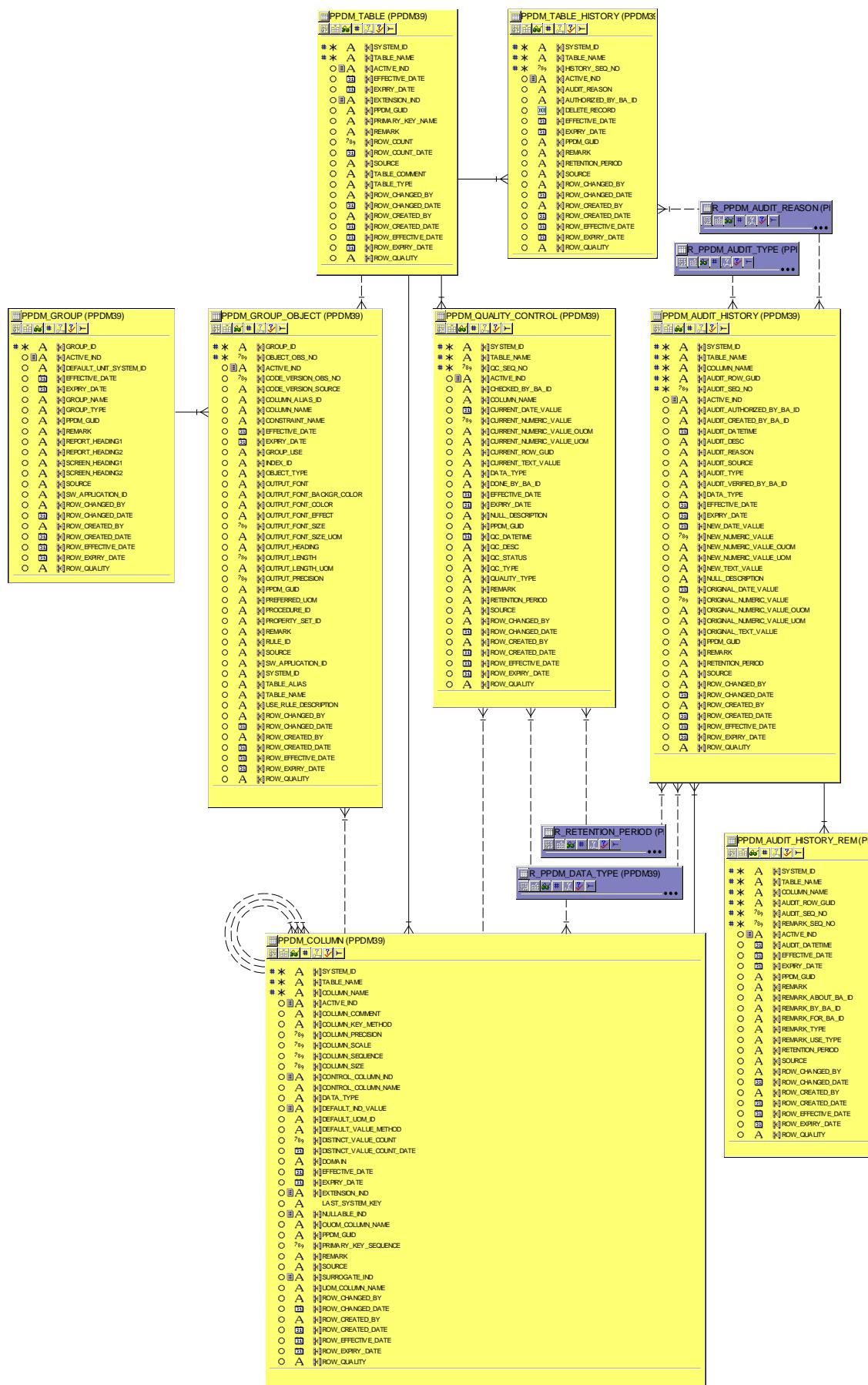
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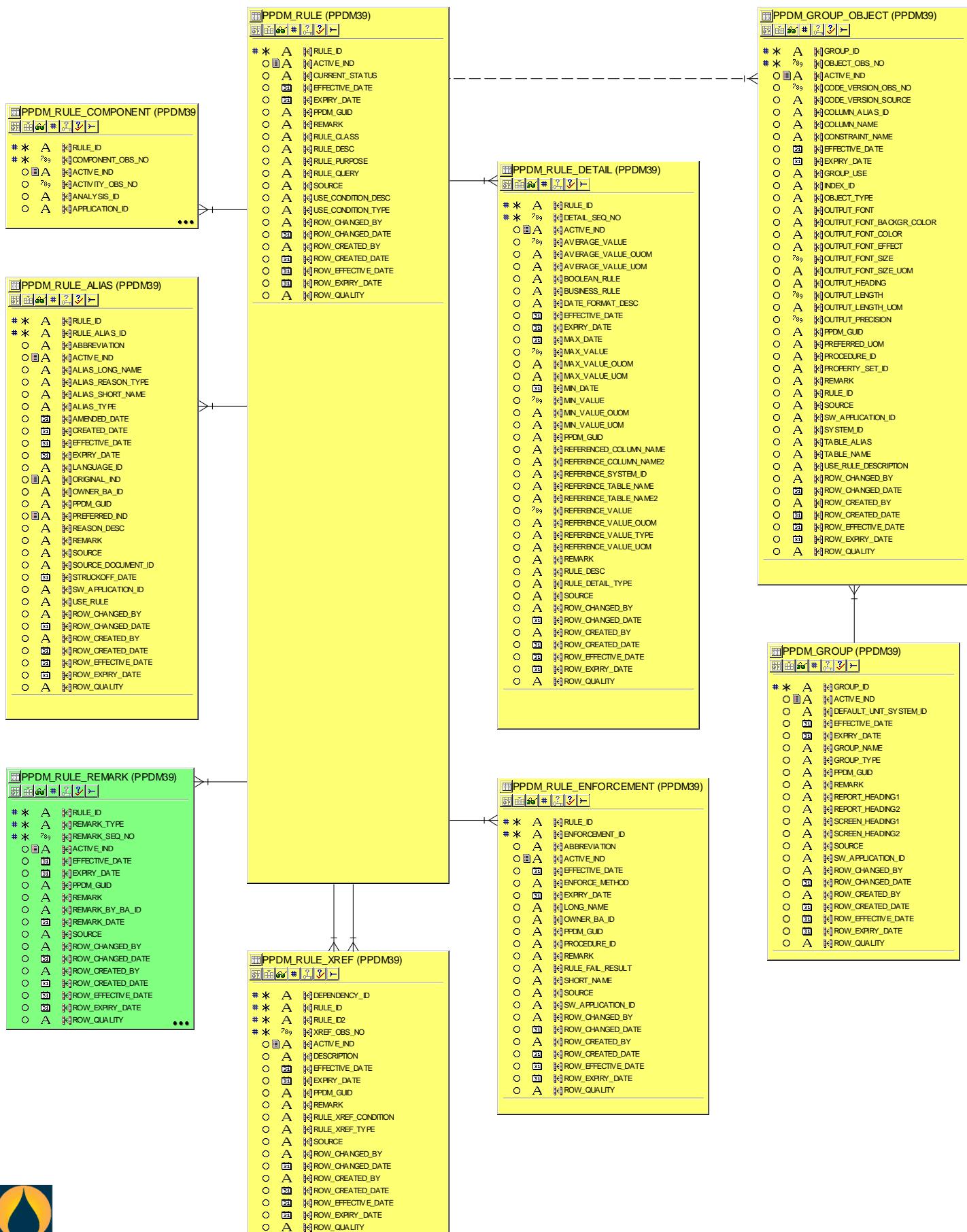
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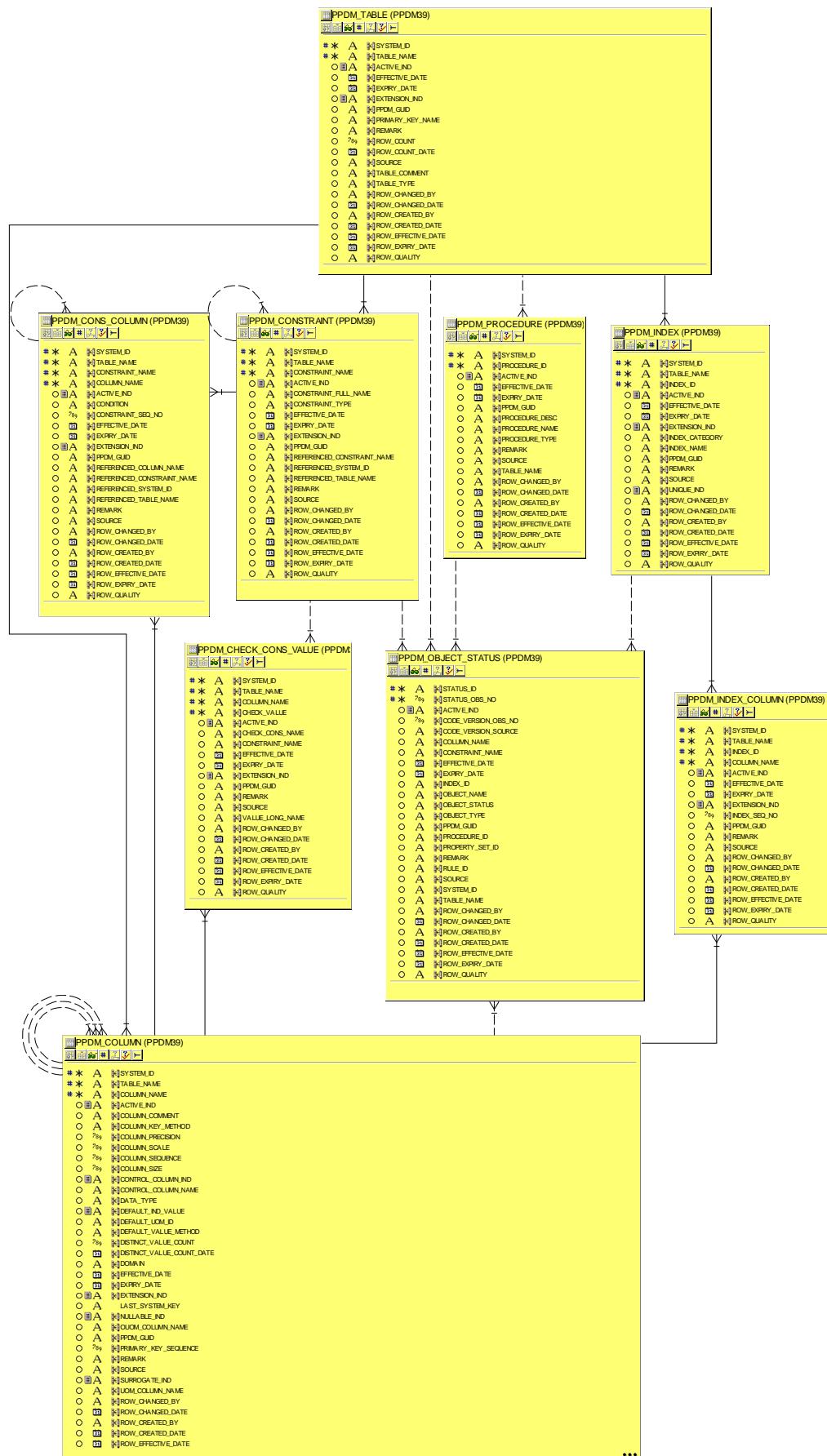
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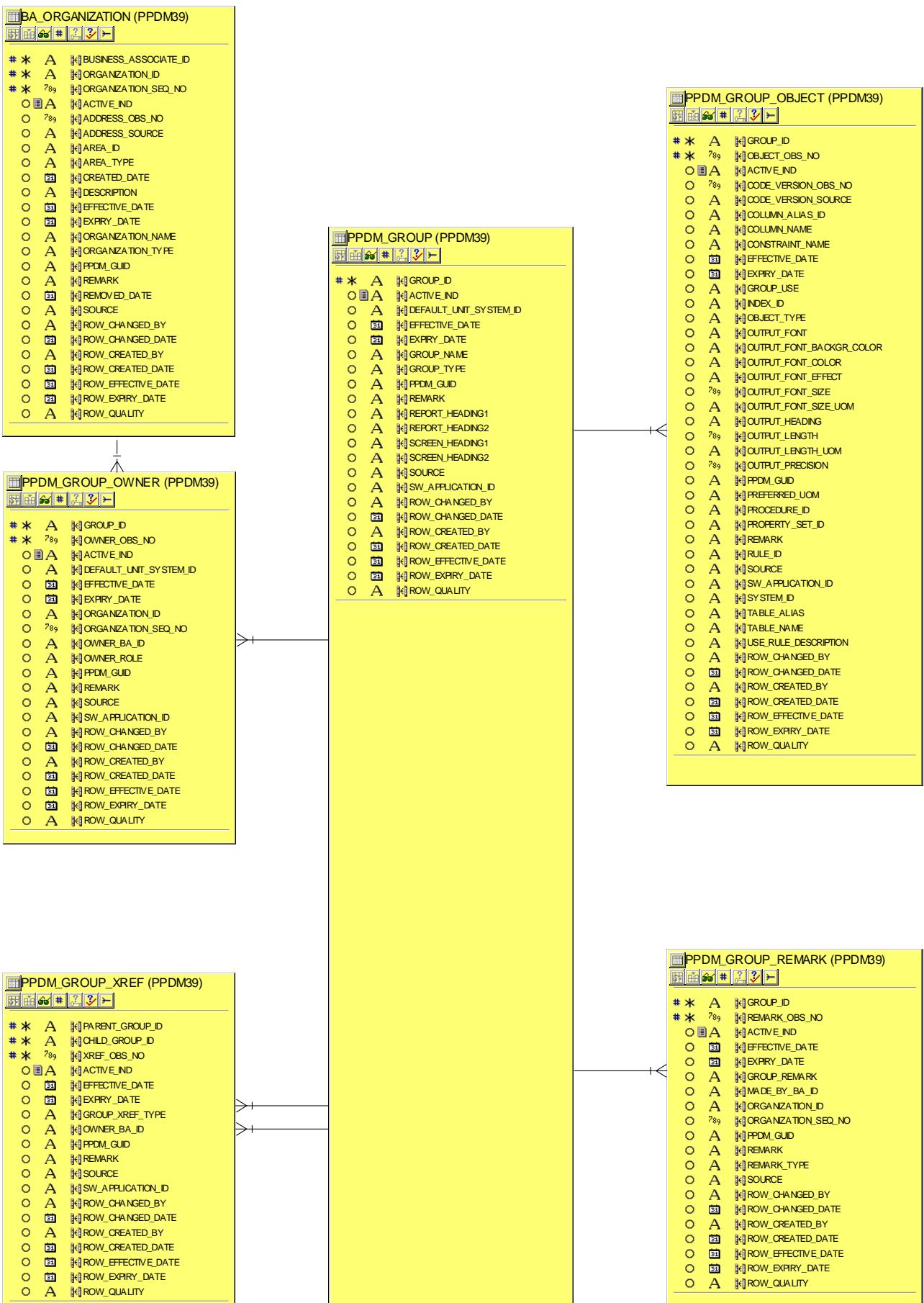
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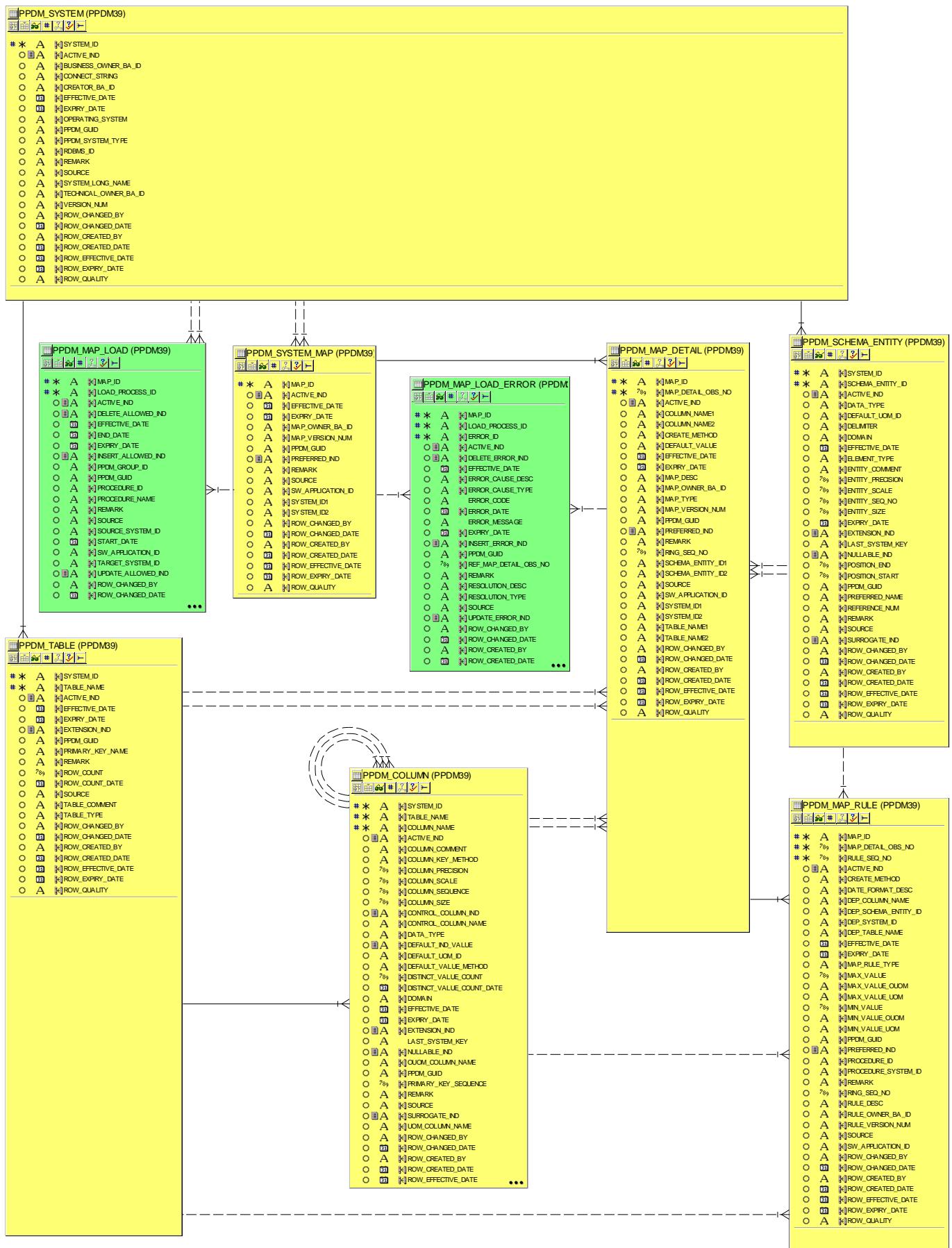
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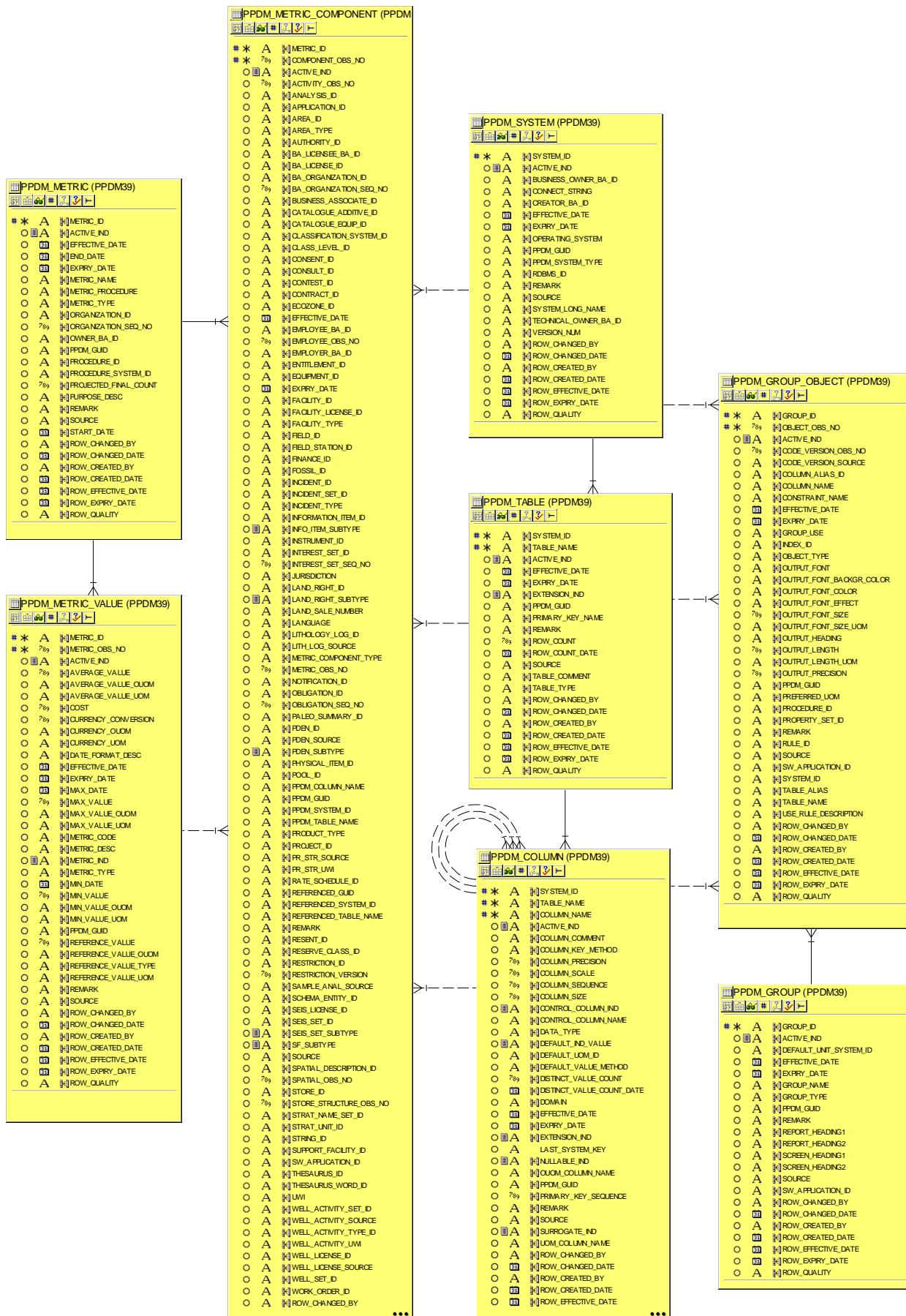
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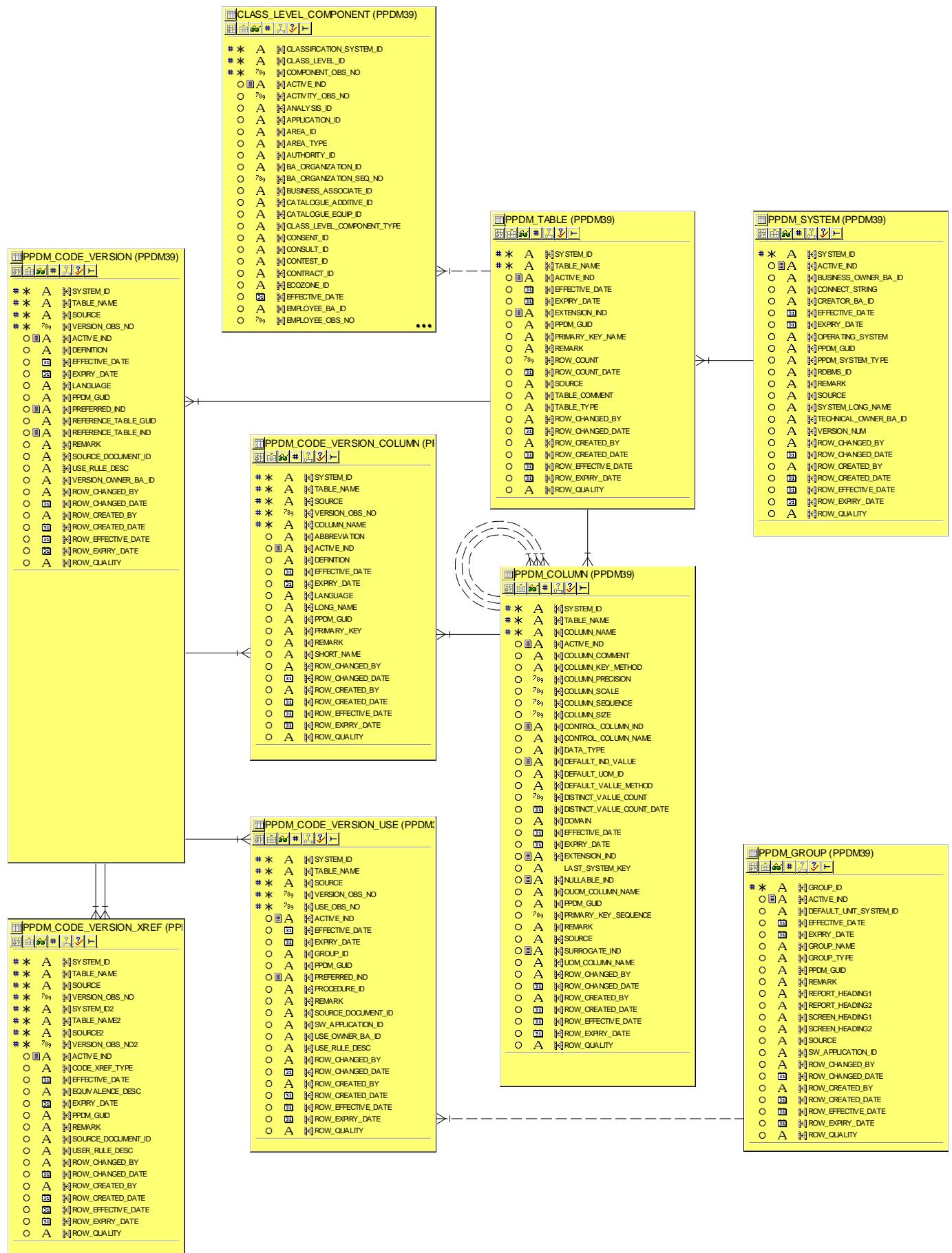
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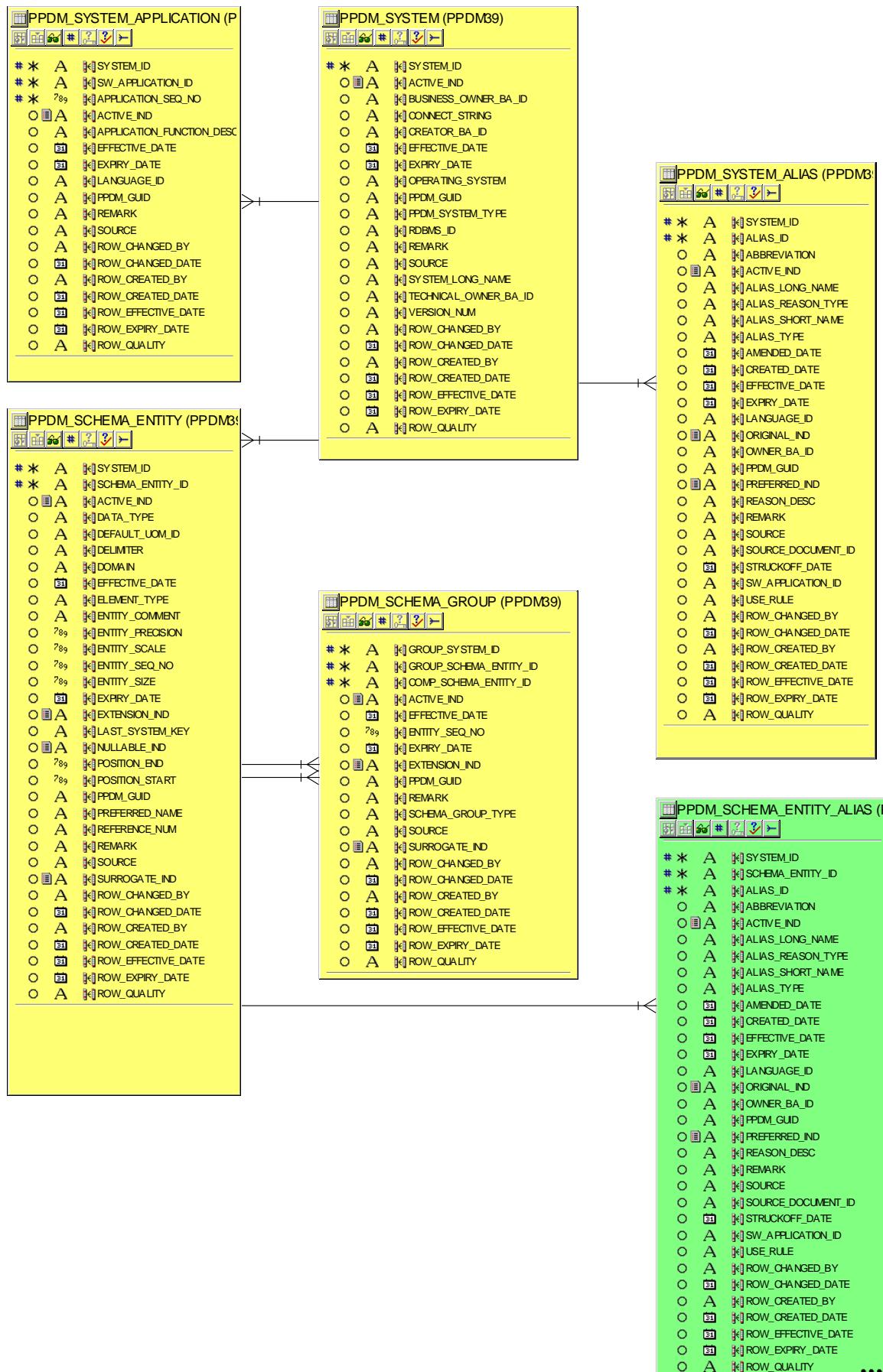
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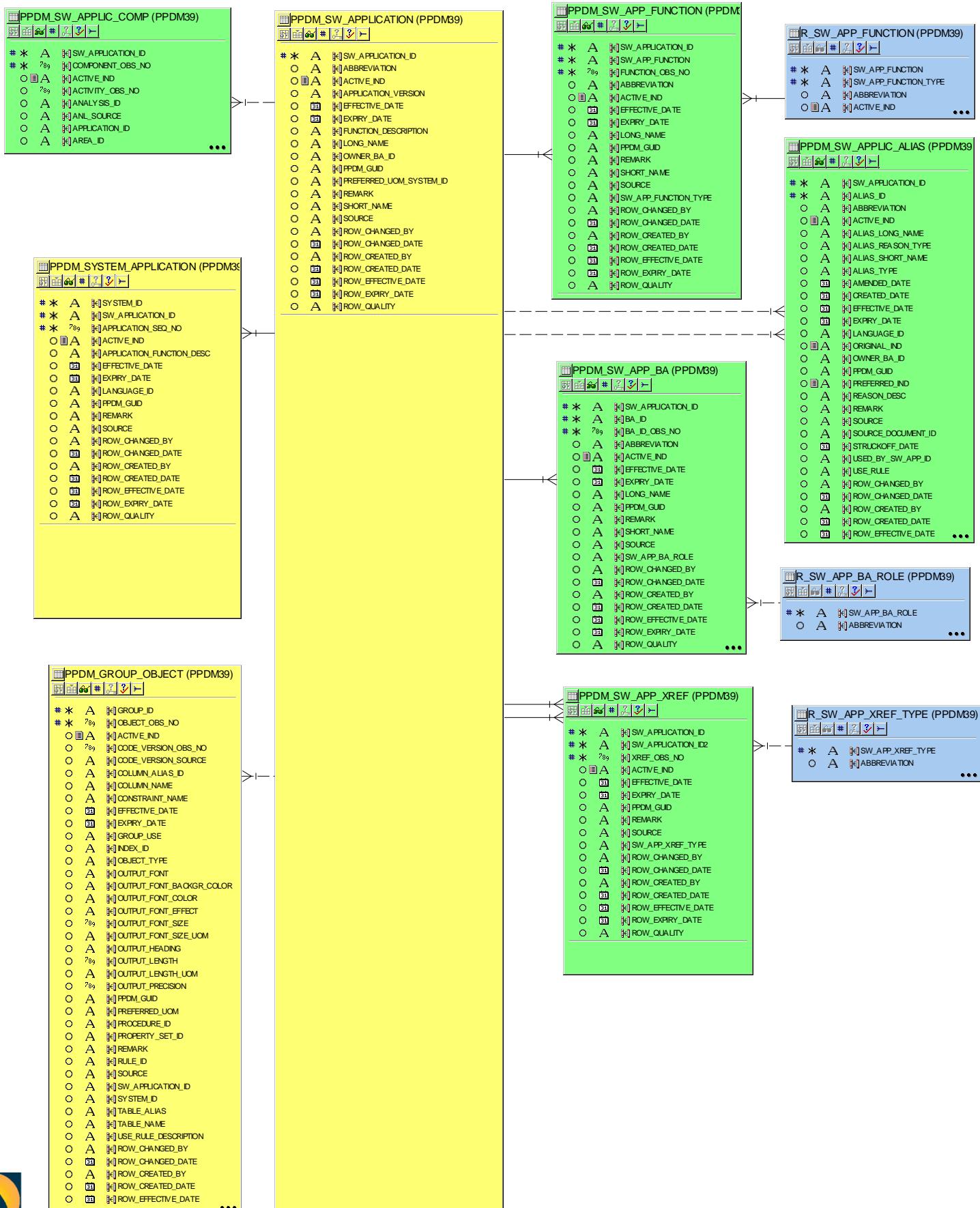
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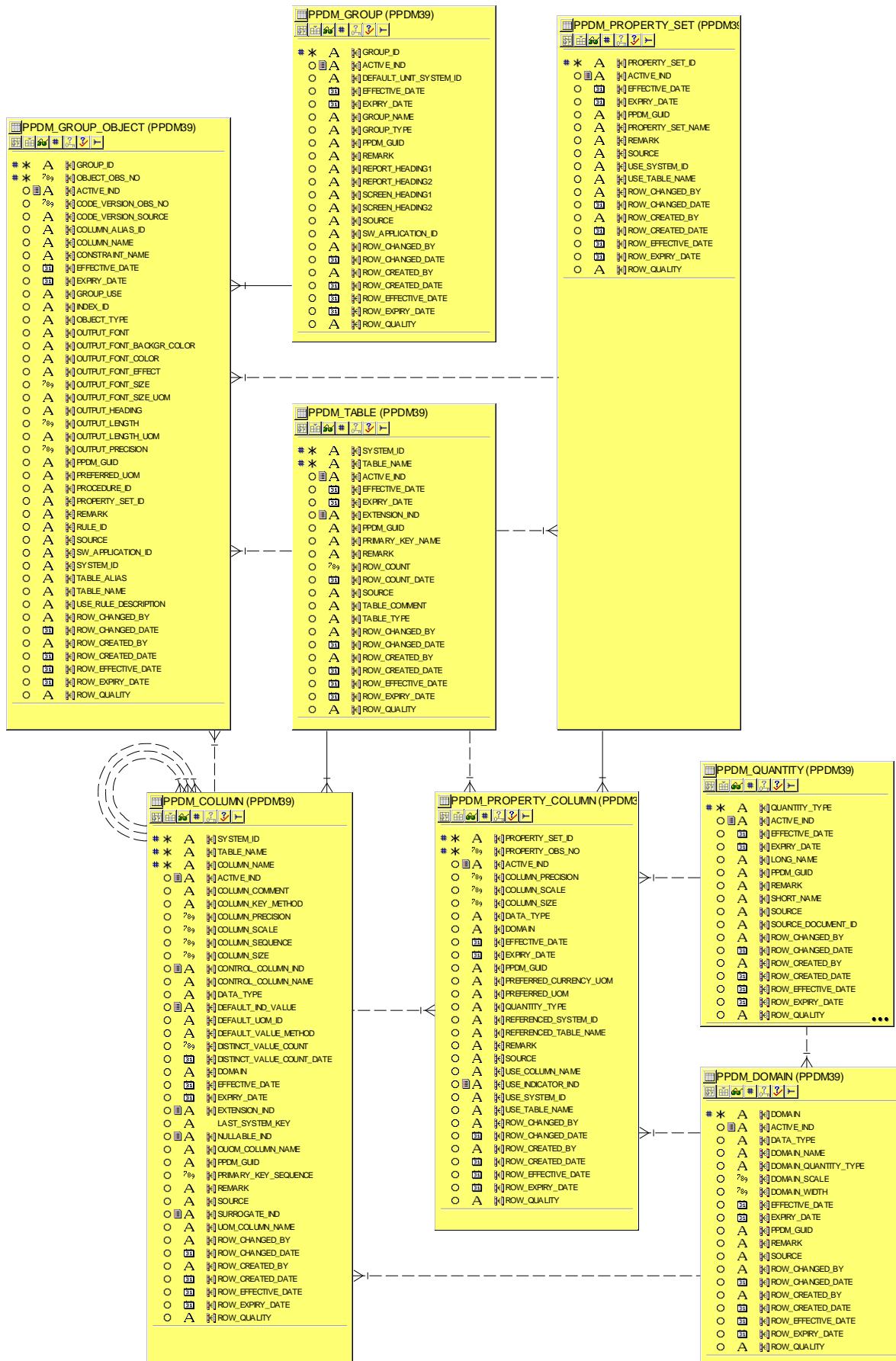
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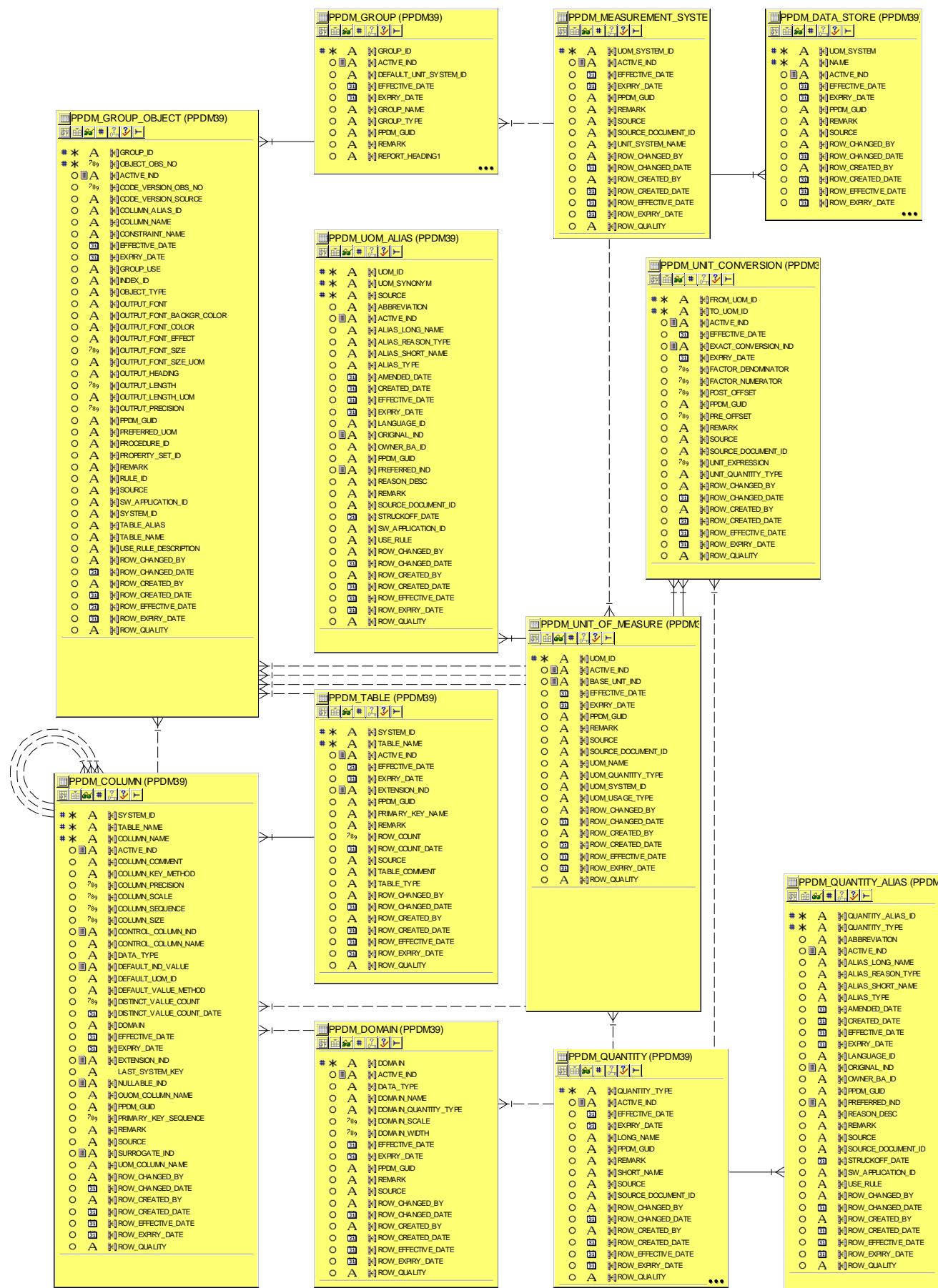
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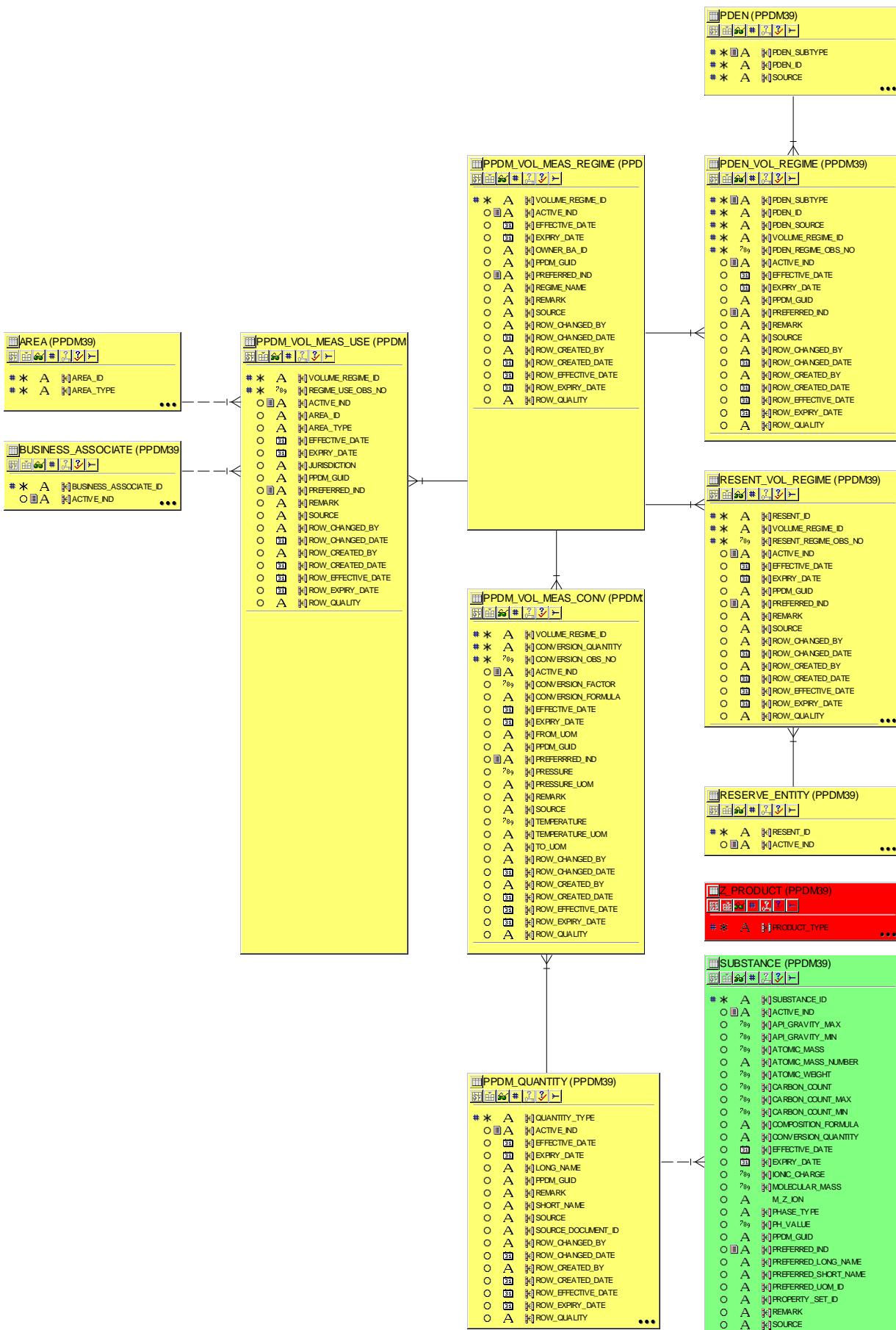
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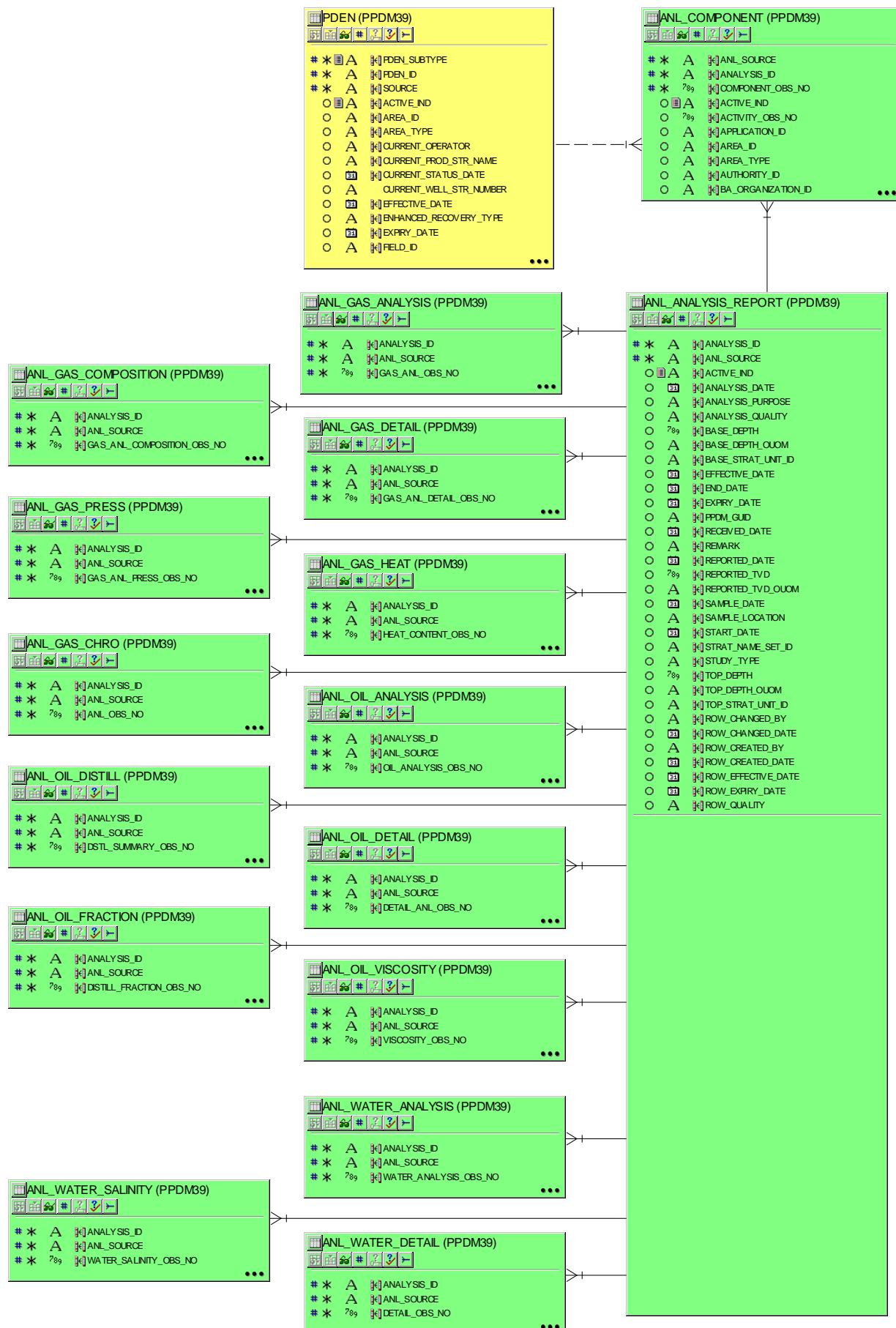
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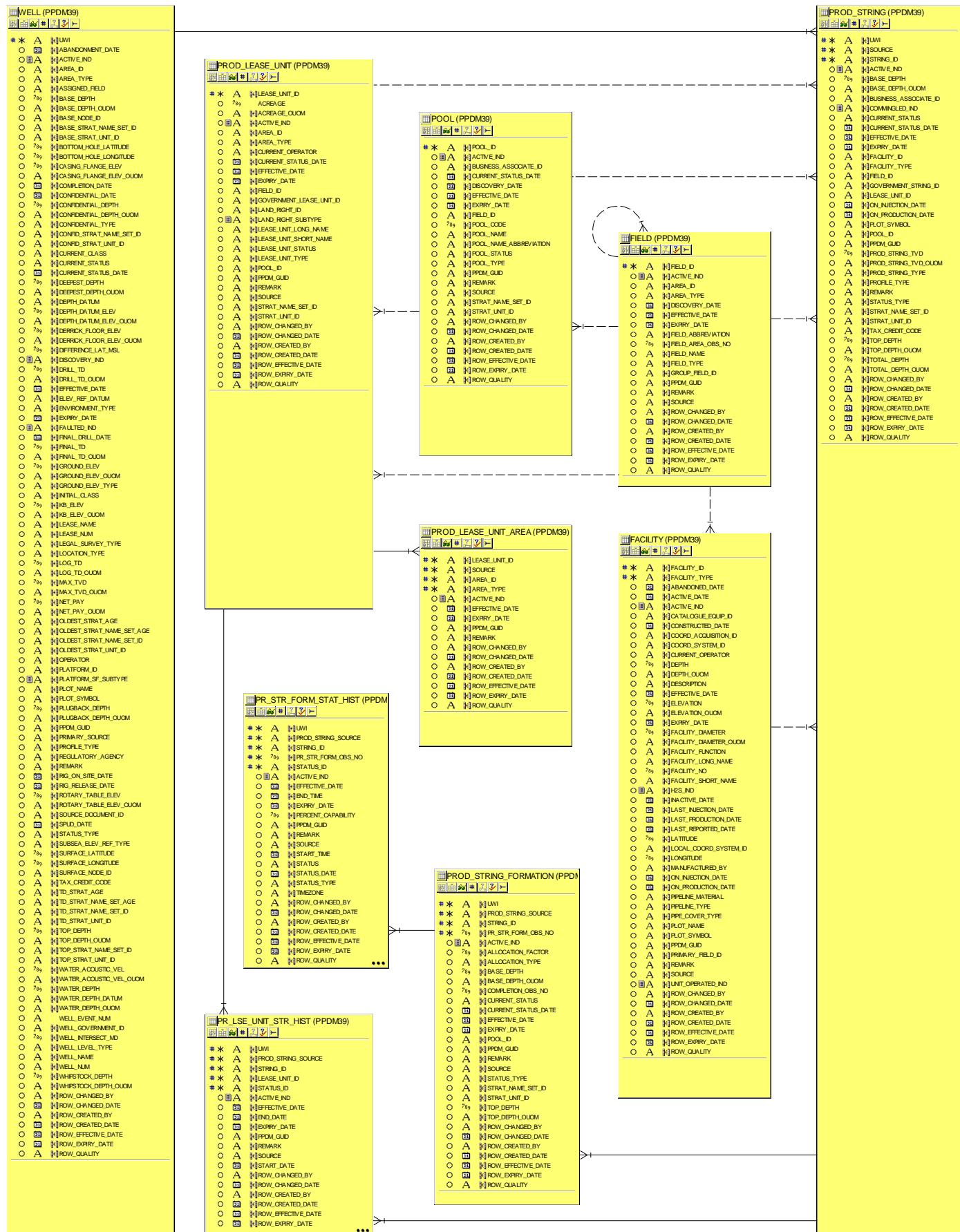
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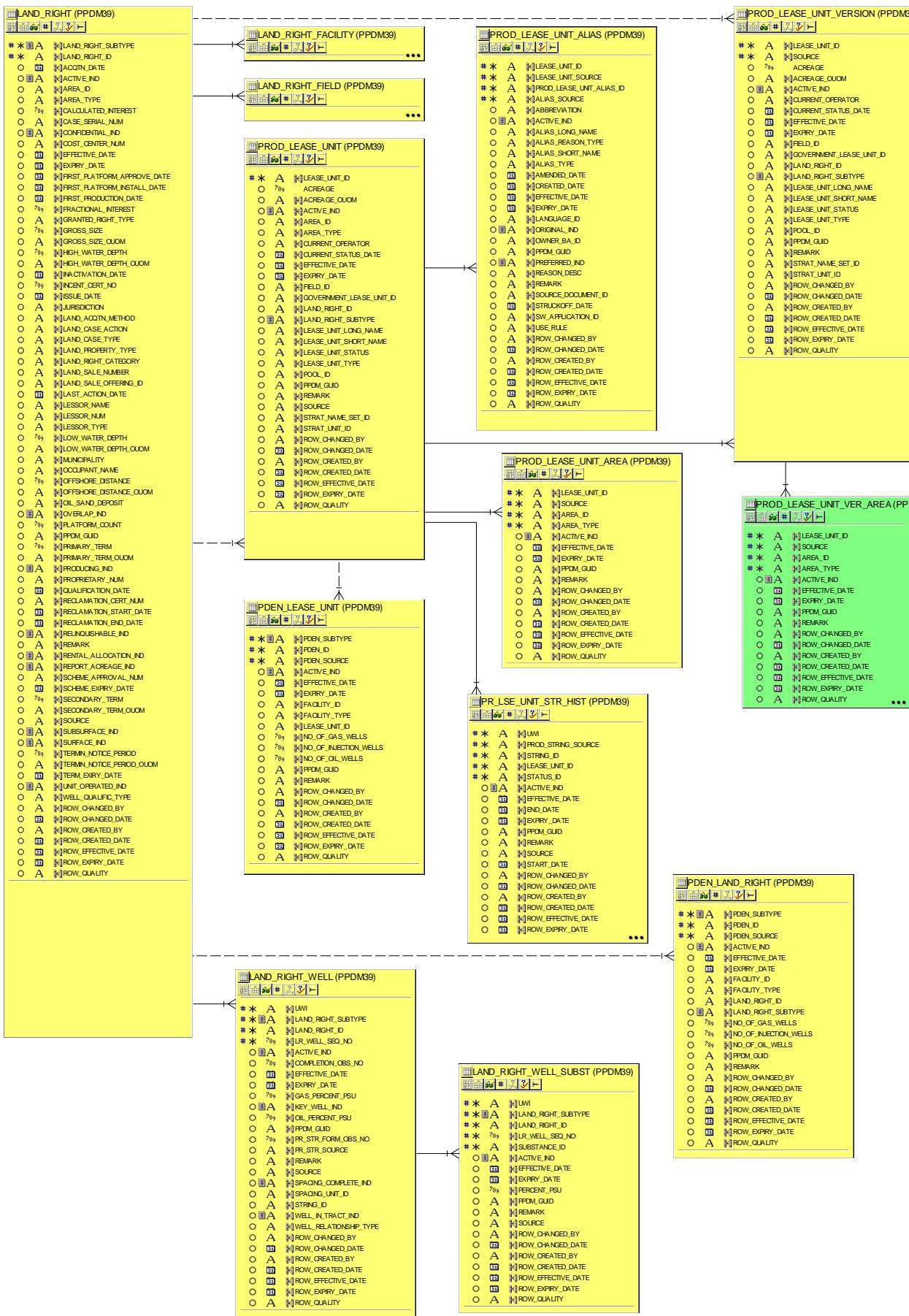
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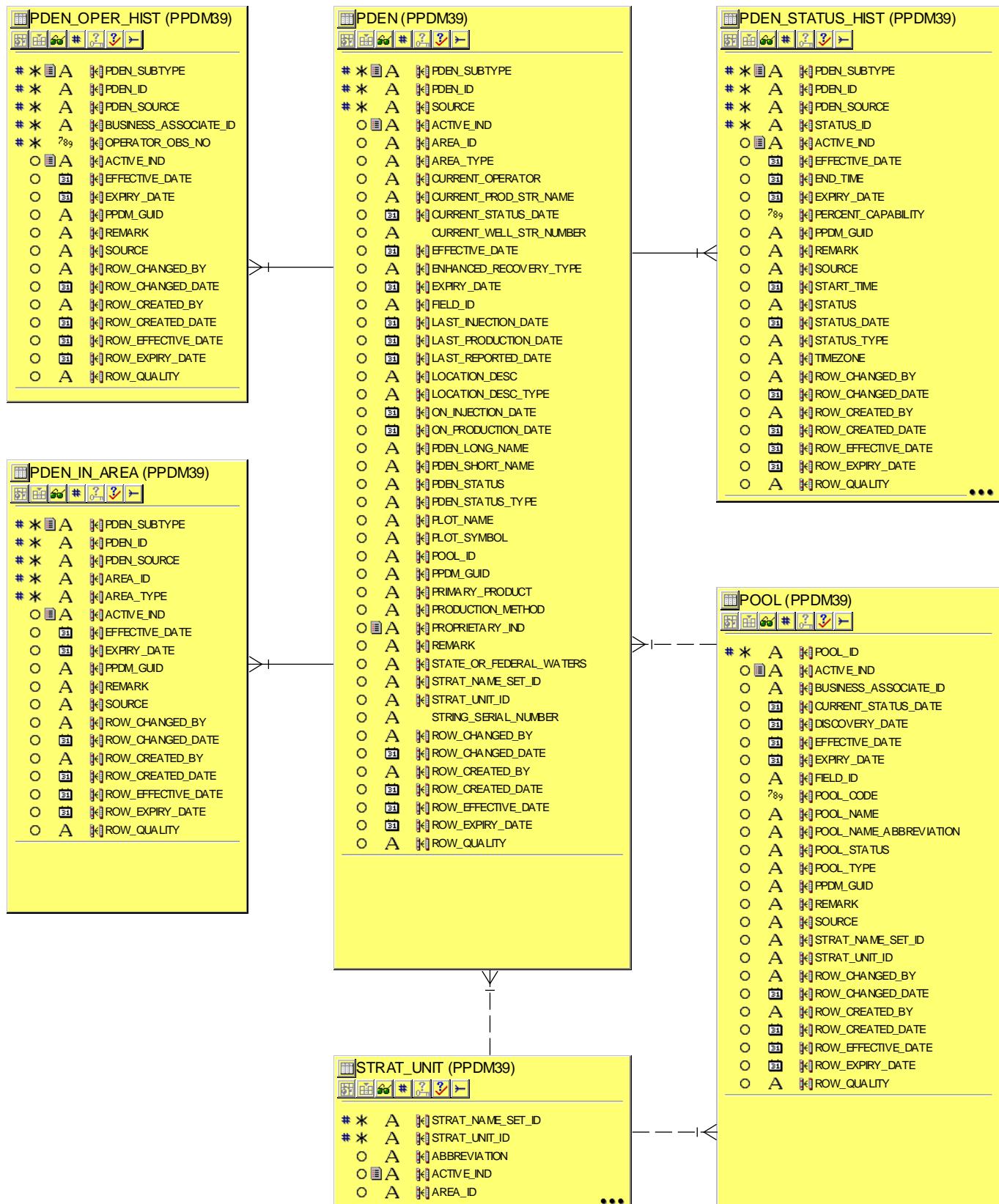
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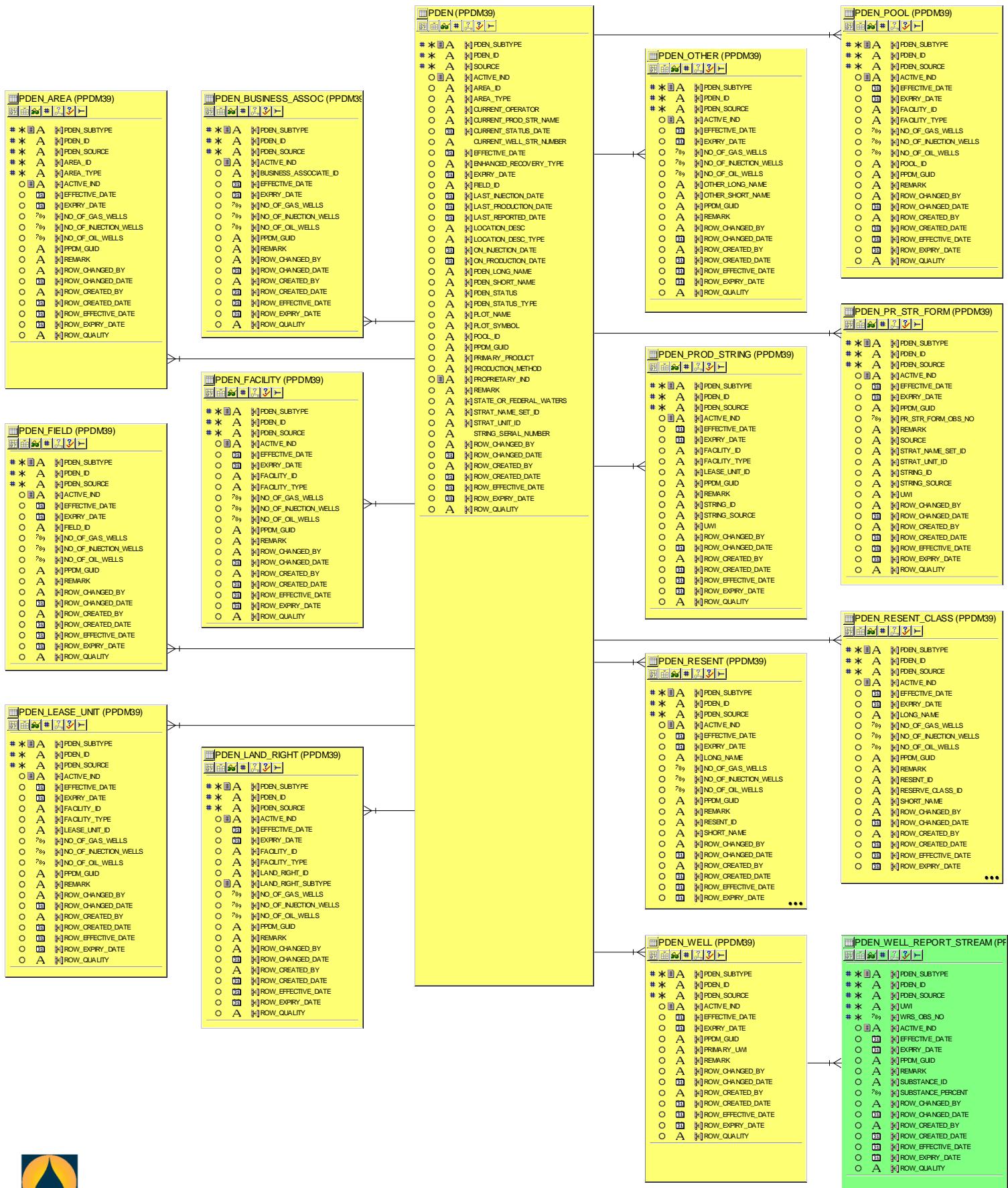
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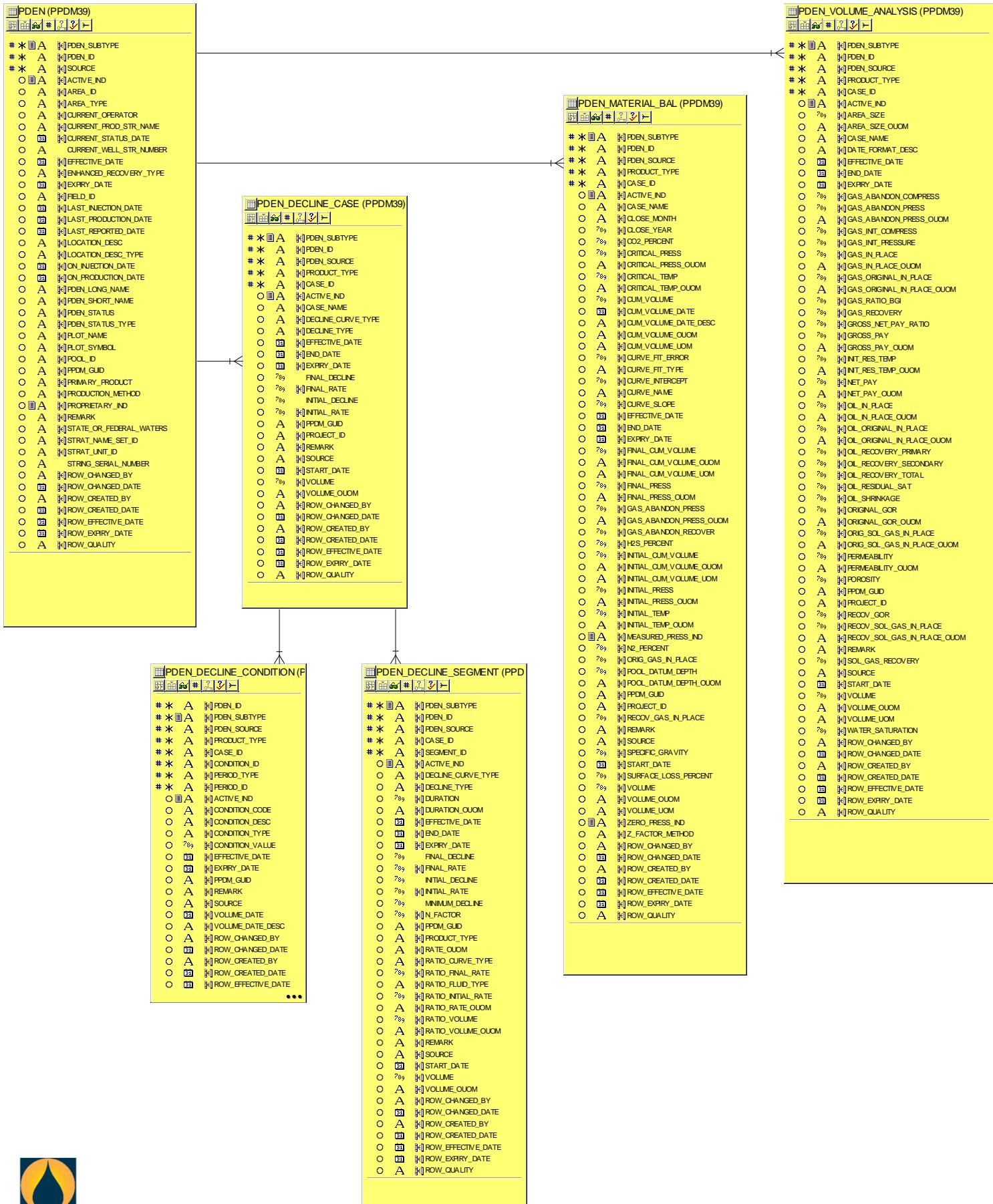
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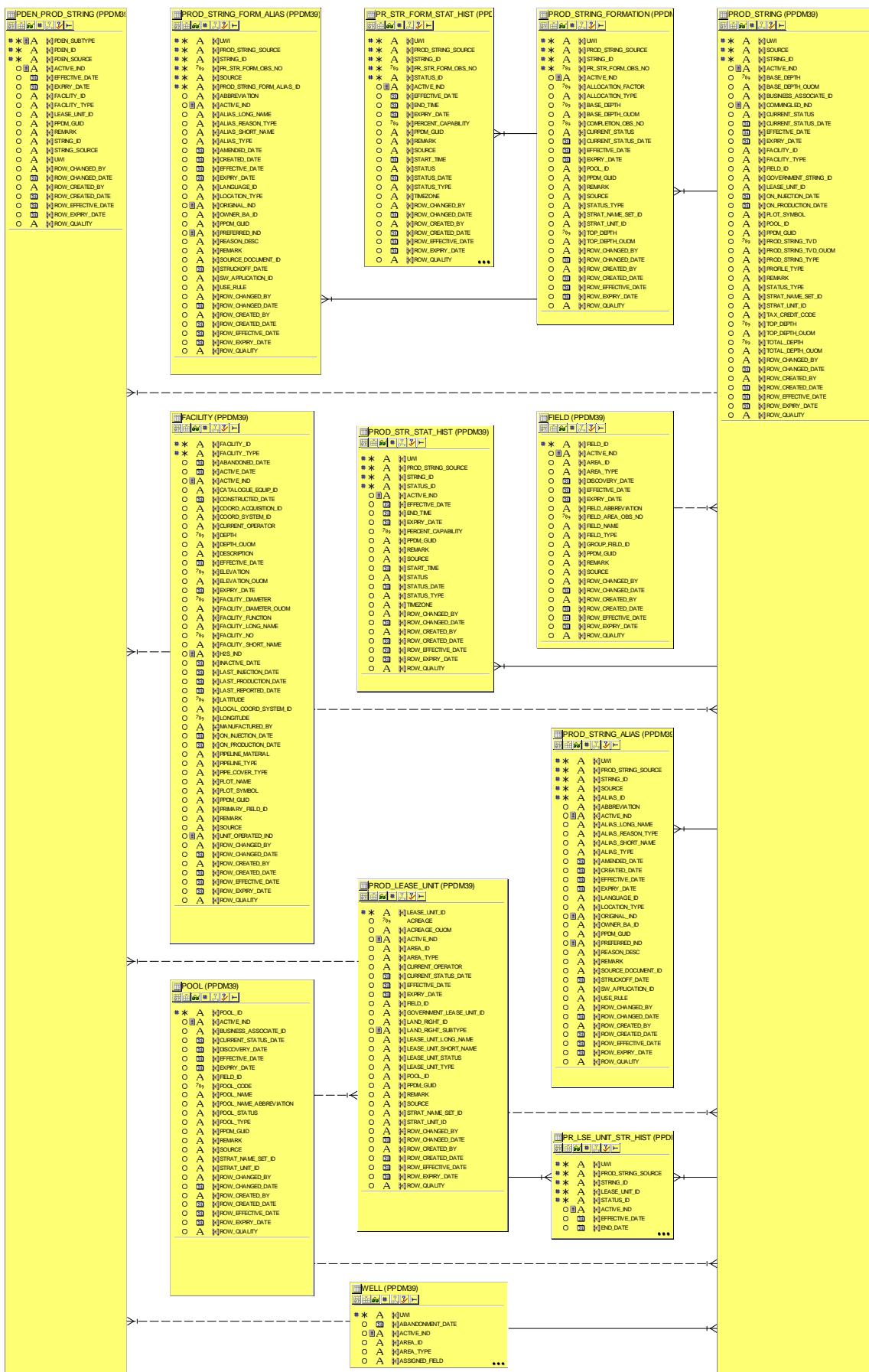
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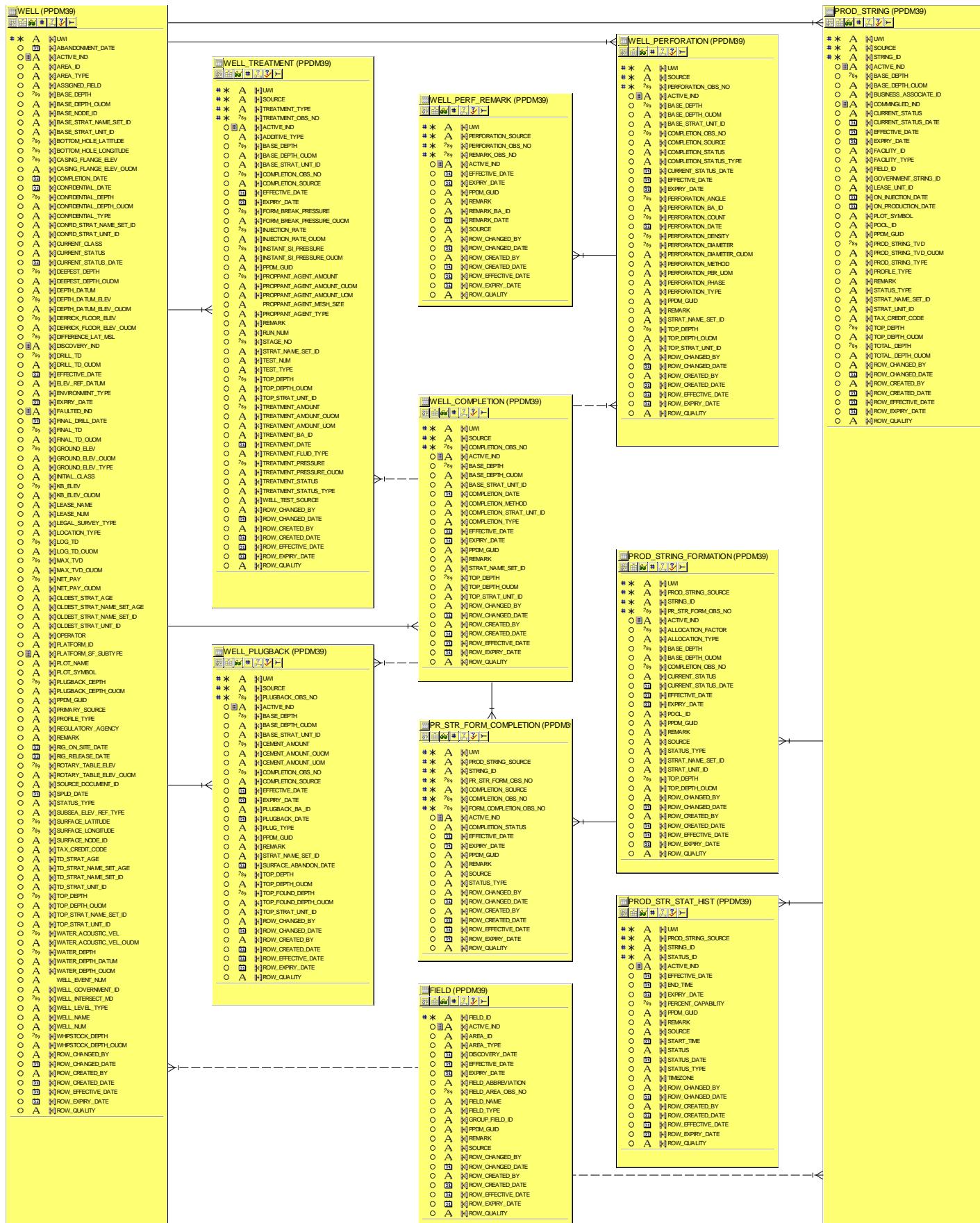
PRODUCTION RESERVE FORECASTS



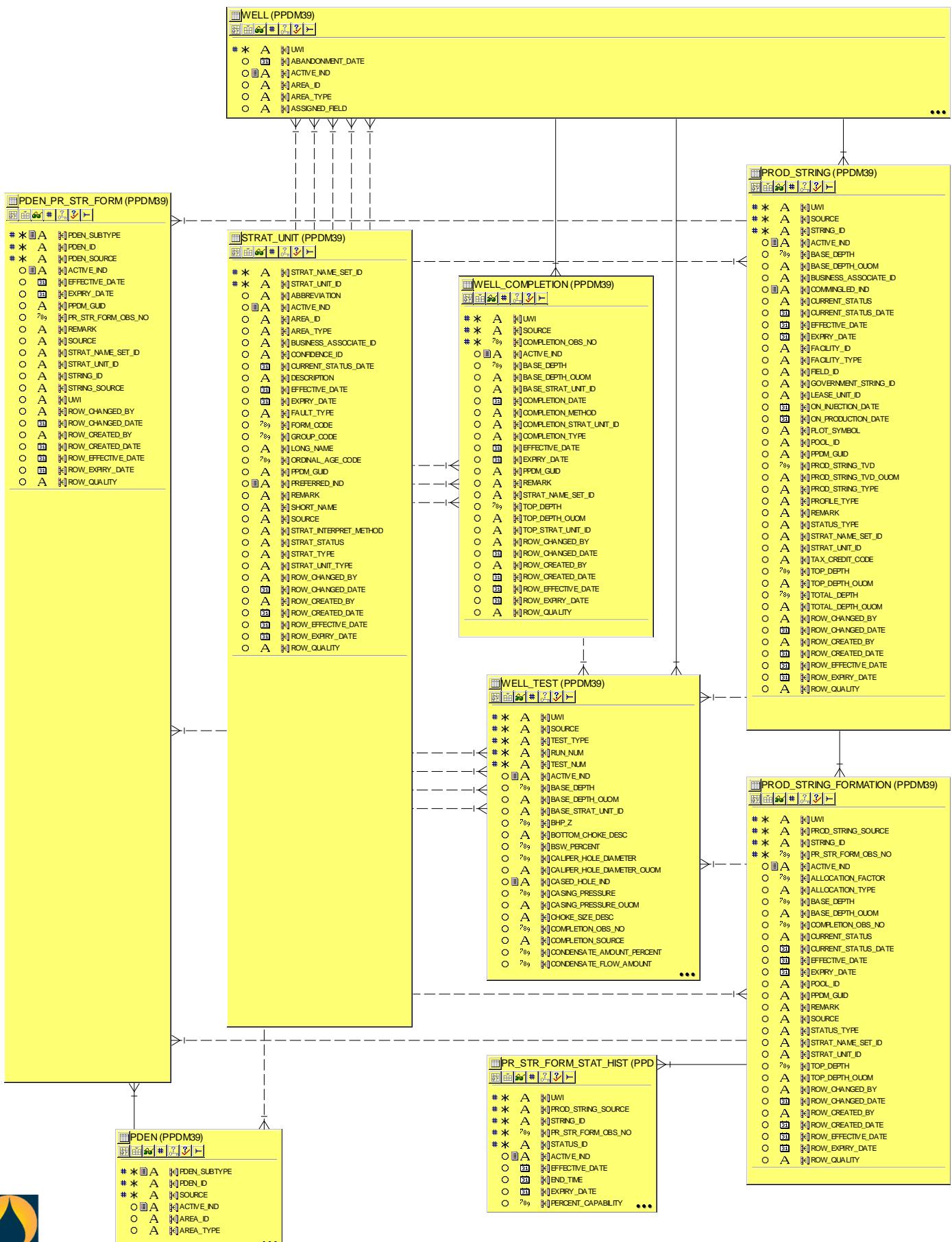
PRODUCTION STRING



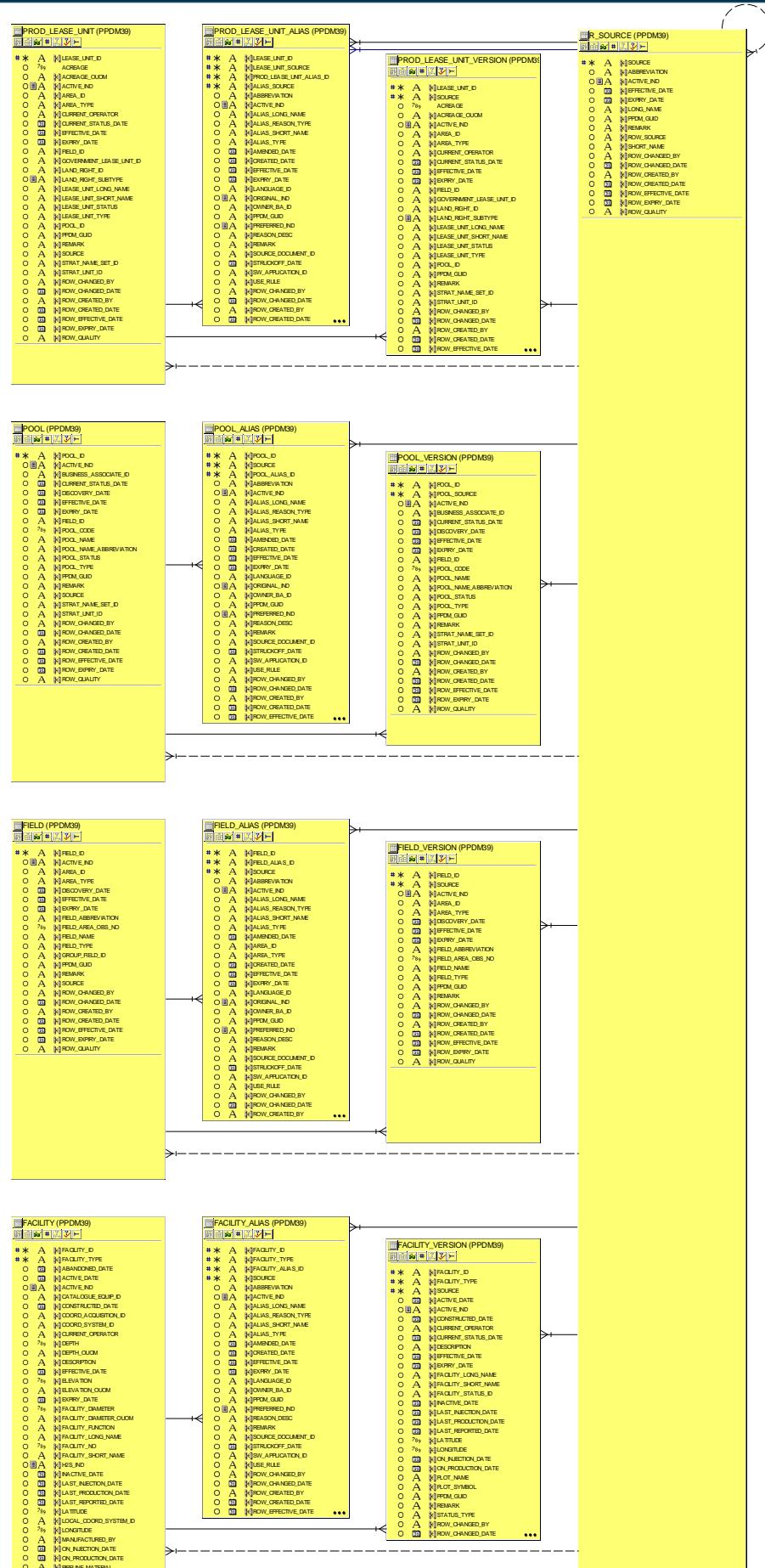
PRODUCTION STRING COMPLETION



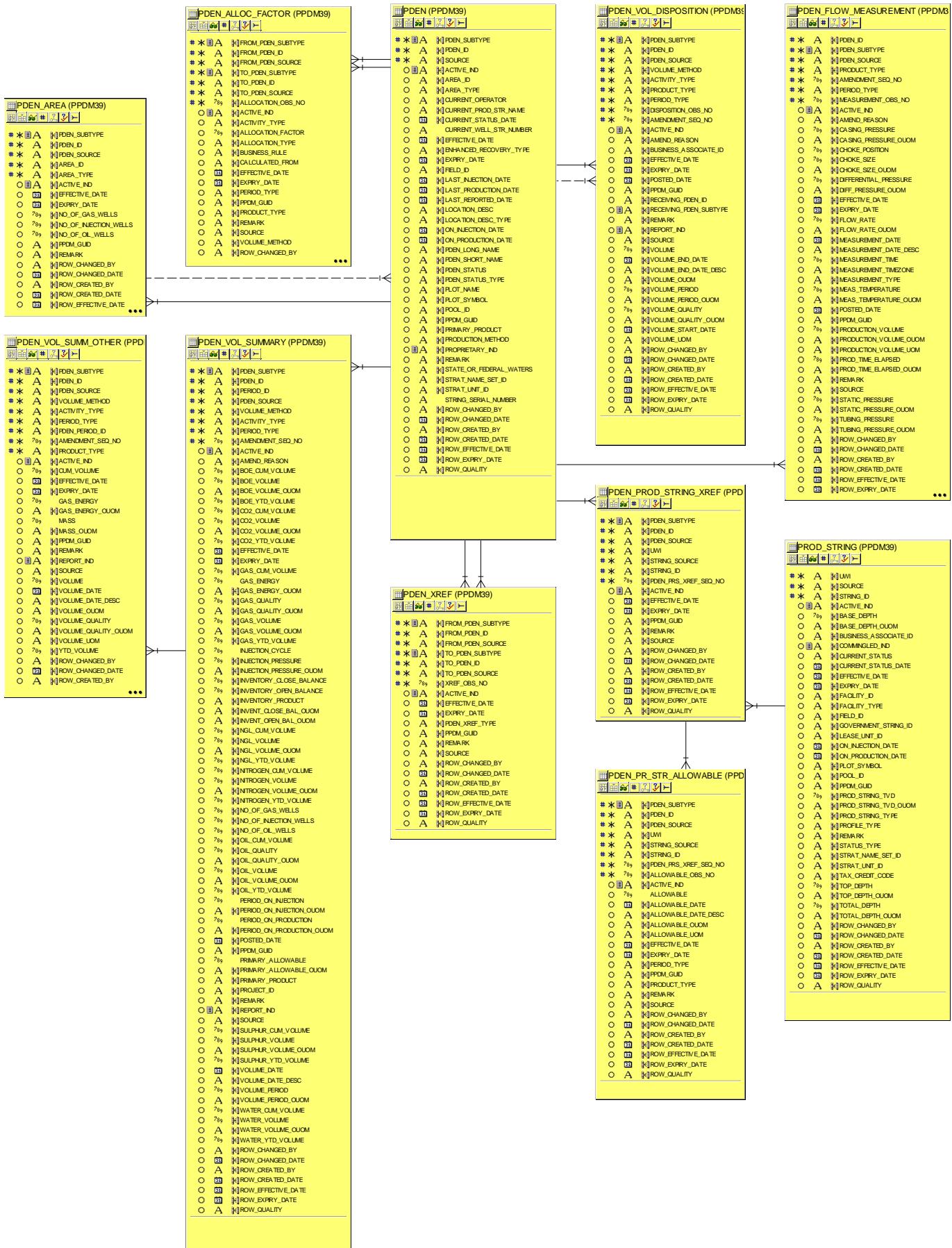
PRODUCTION STRING FORMATION



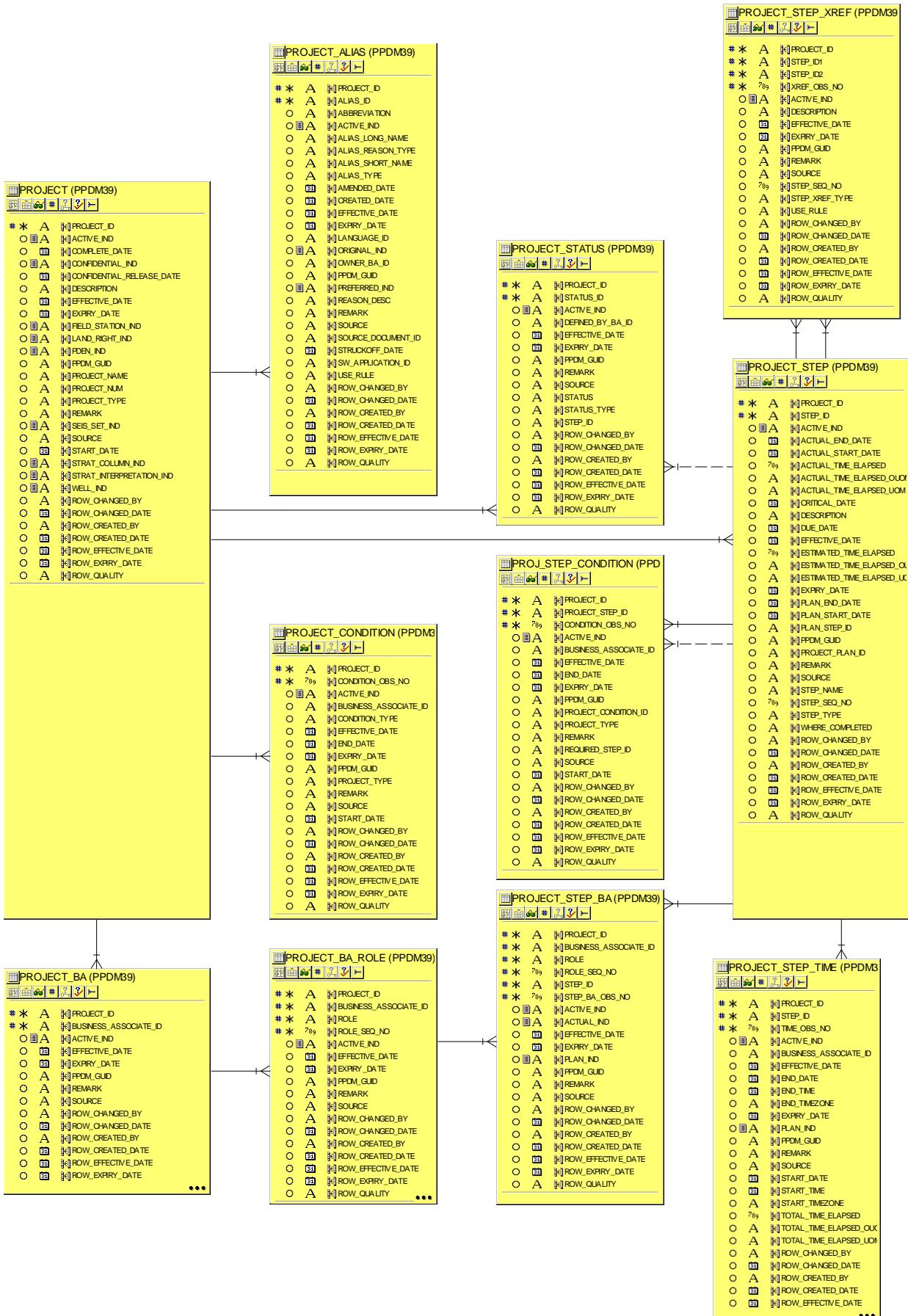
PRODUCTION VERSIONS AND ALIASES



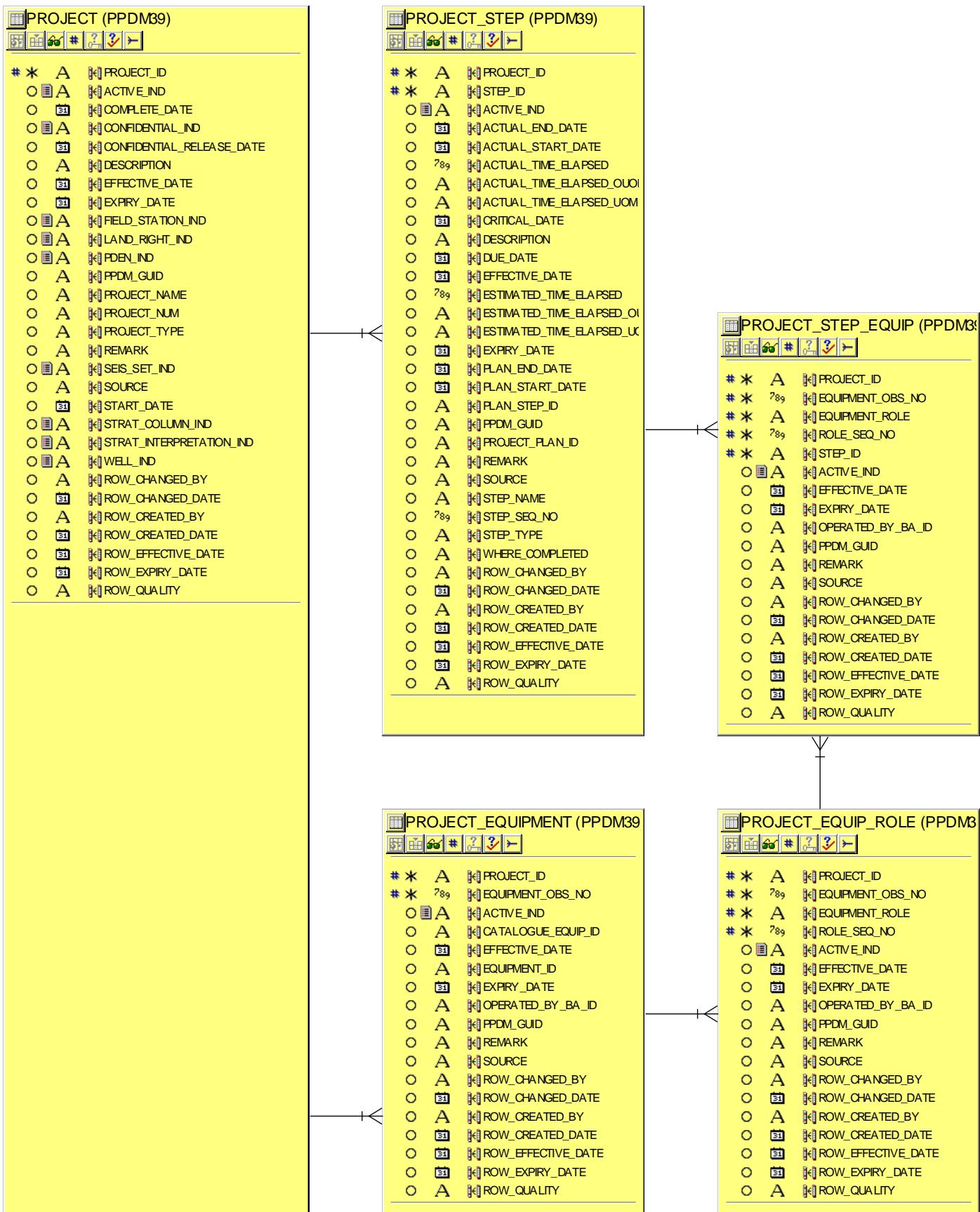
PRODUCTION VOLUMES



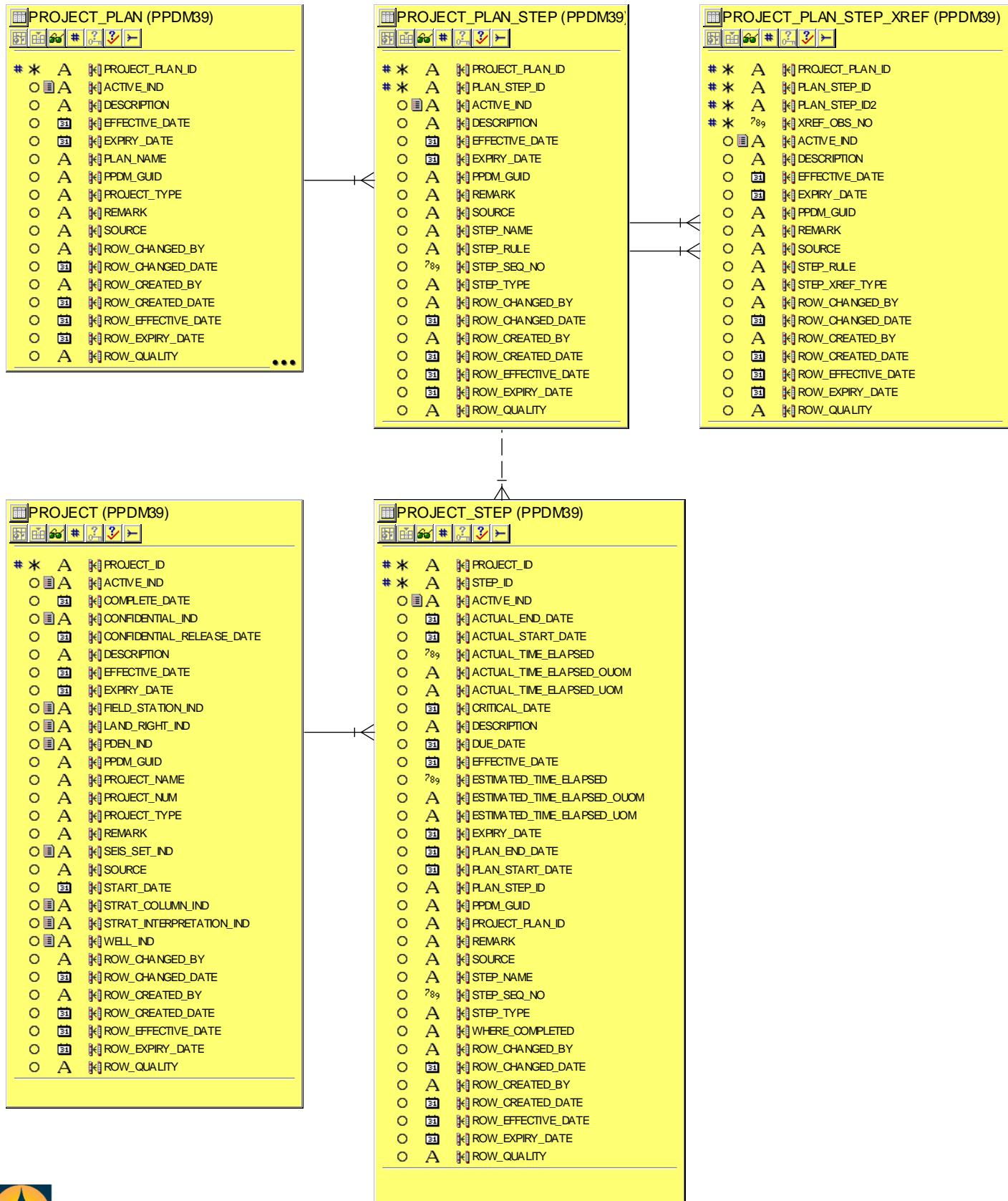
PROJECTS



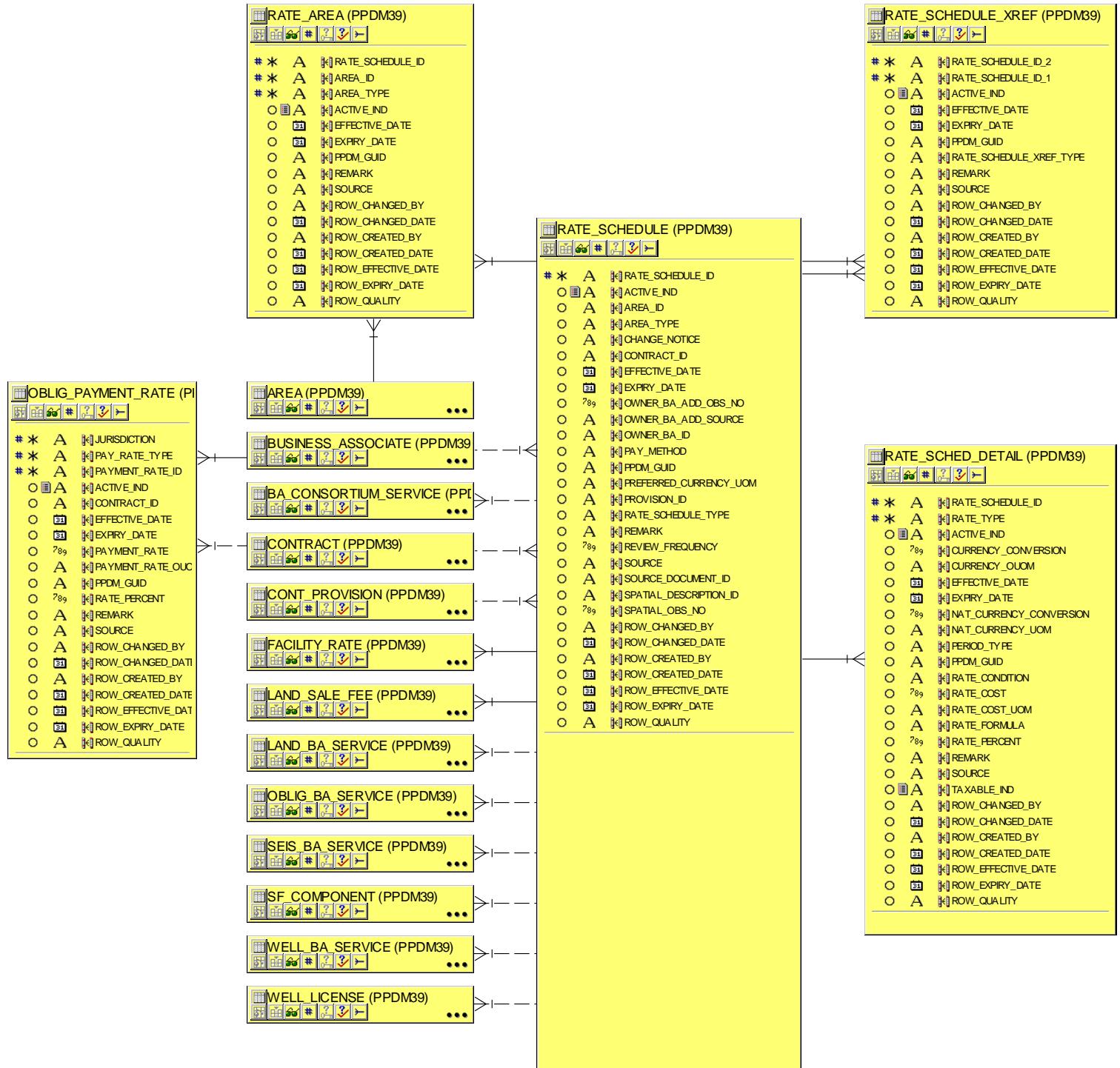
PROJECTS - EQUIPMENT



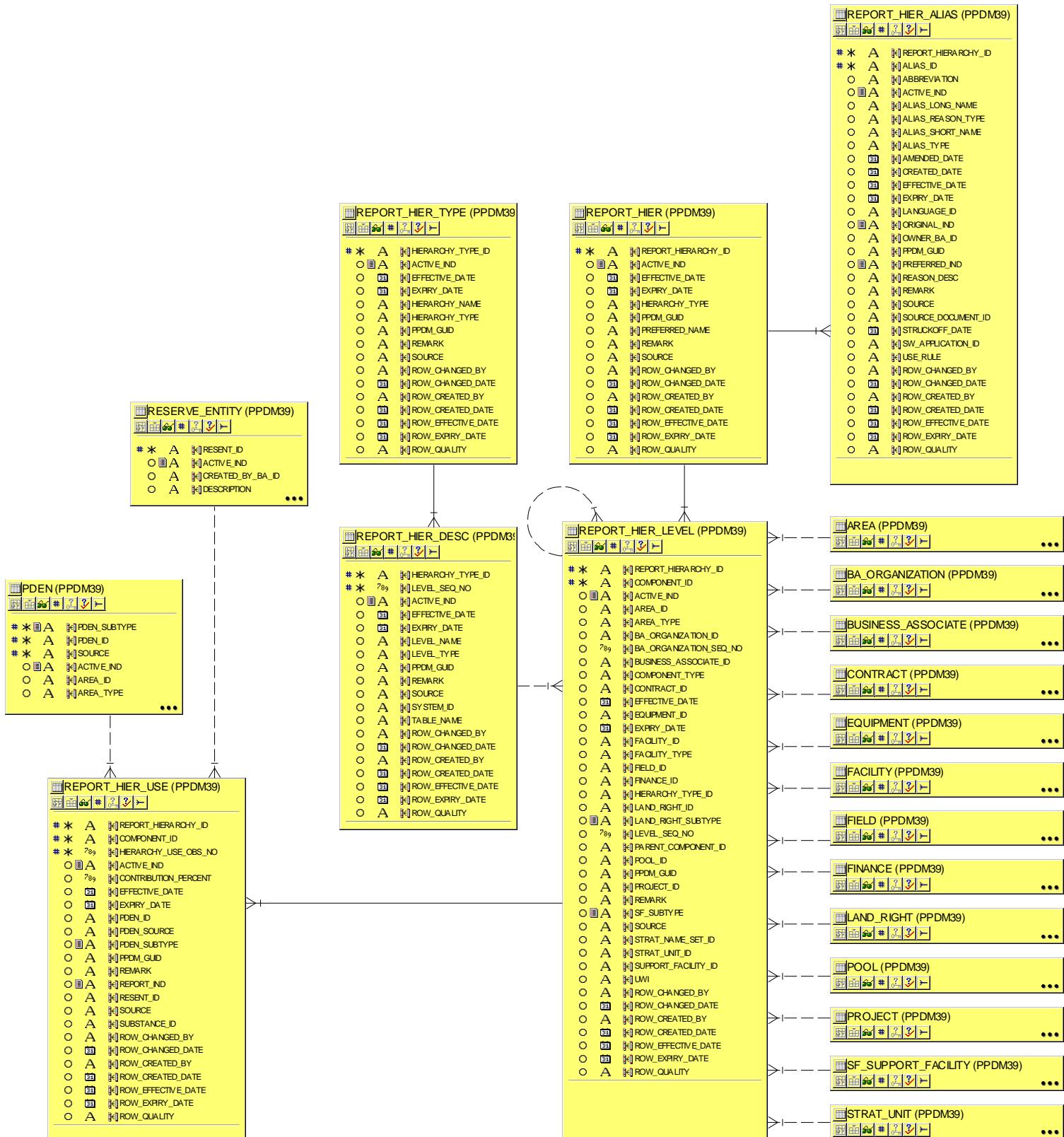
PROJECTS - PLANS



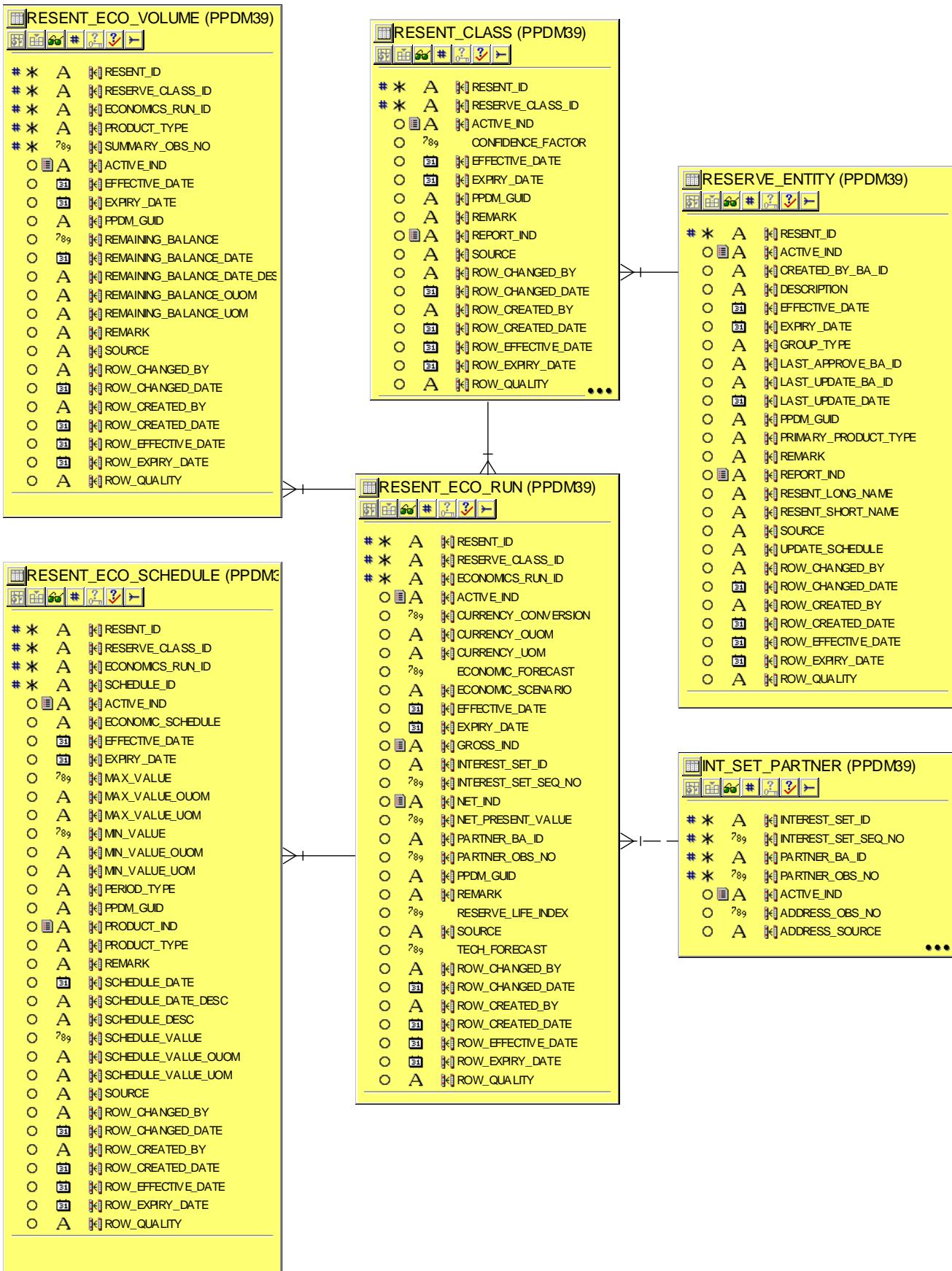
RATE SCHEDULES



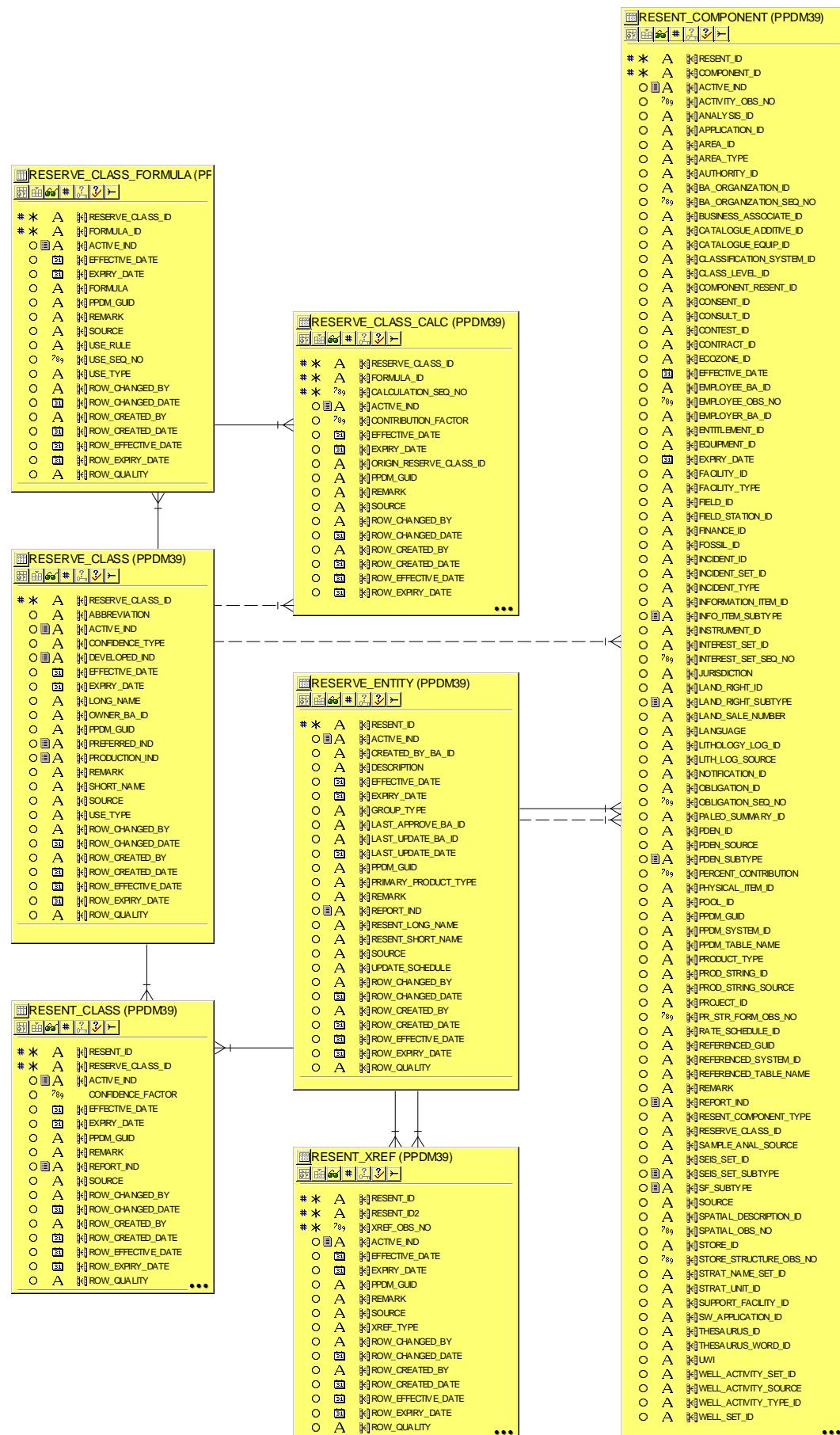
REPORTING HIERARCHIES



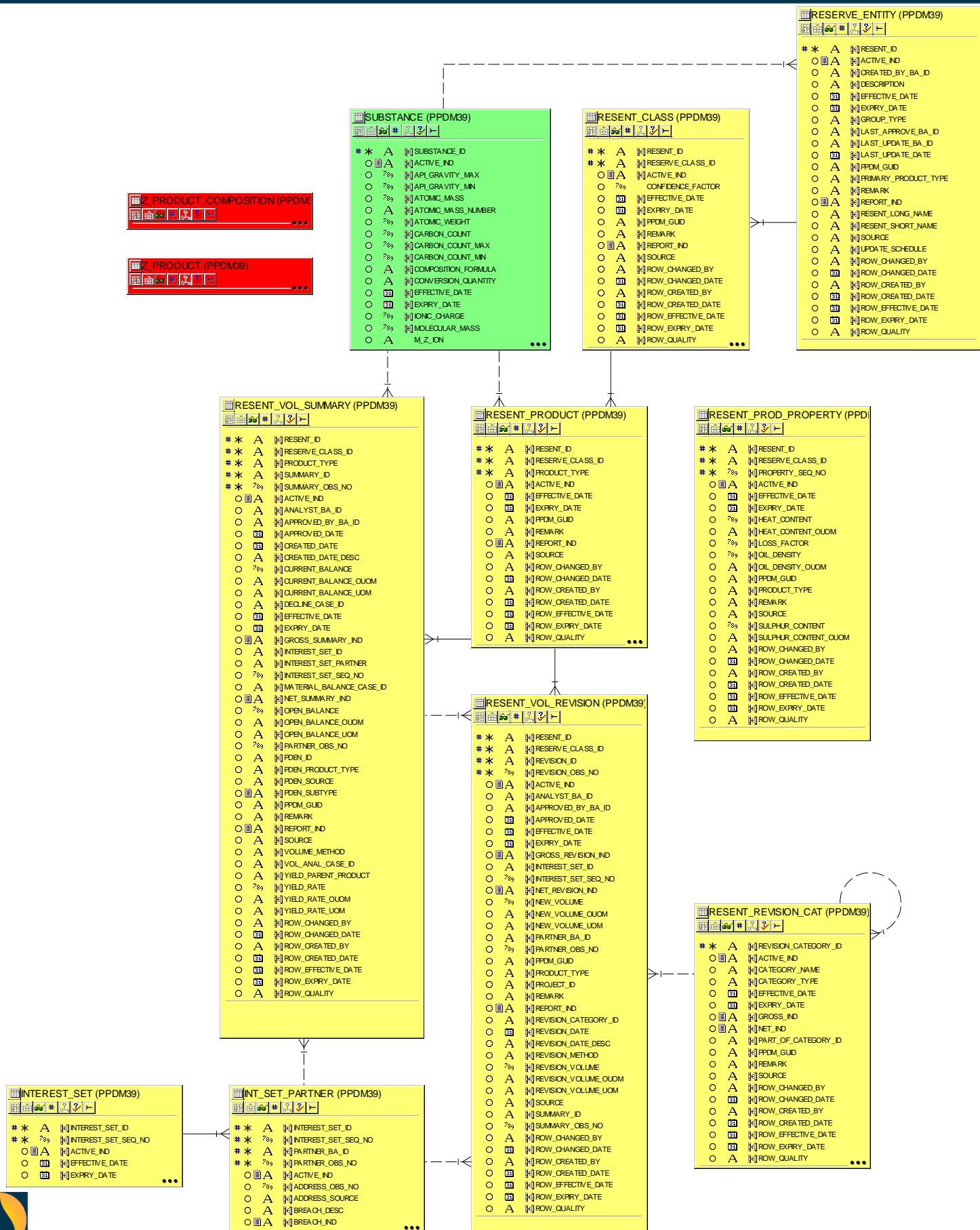
RESERVE ECONOMICS



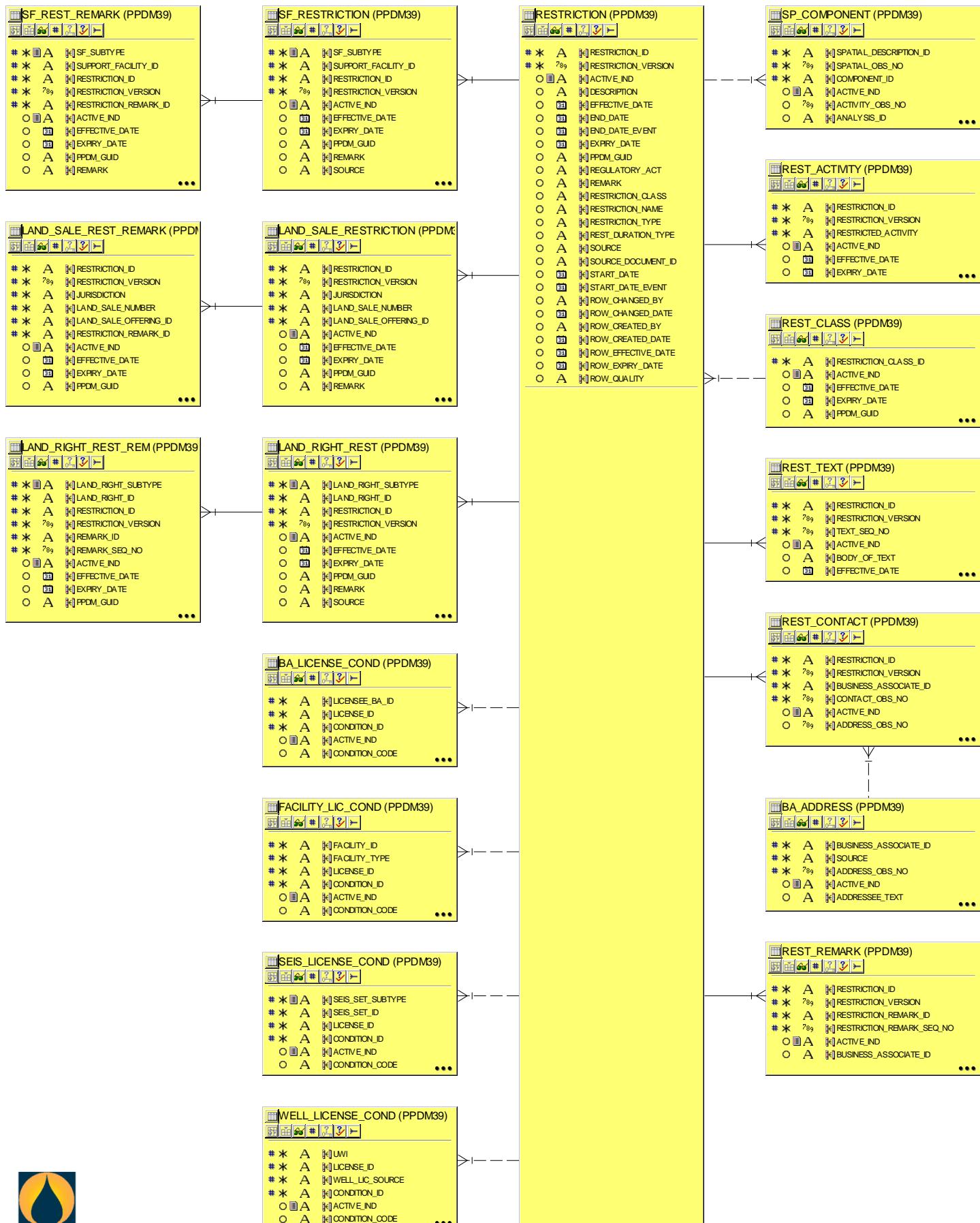
RESERVE ENTITIES



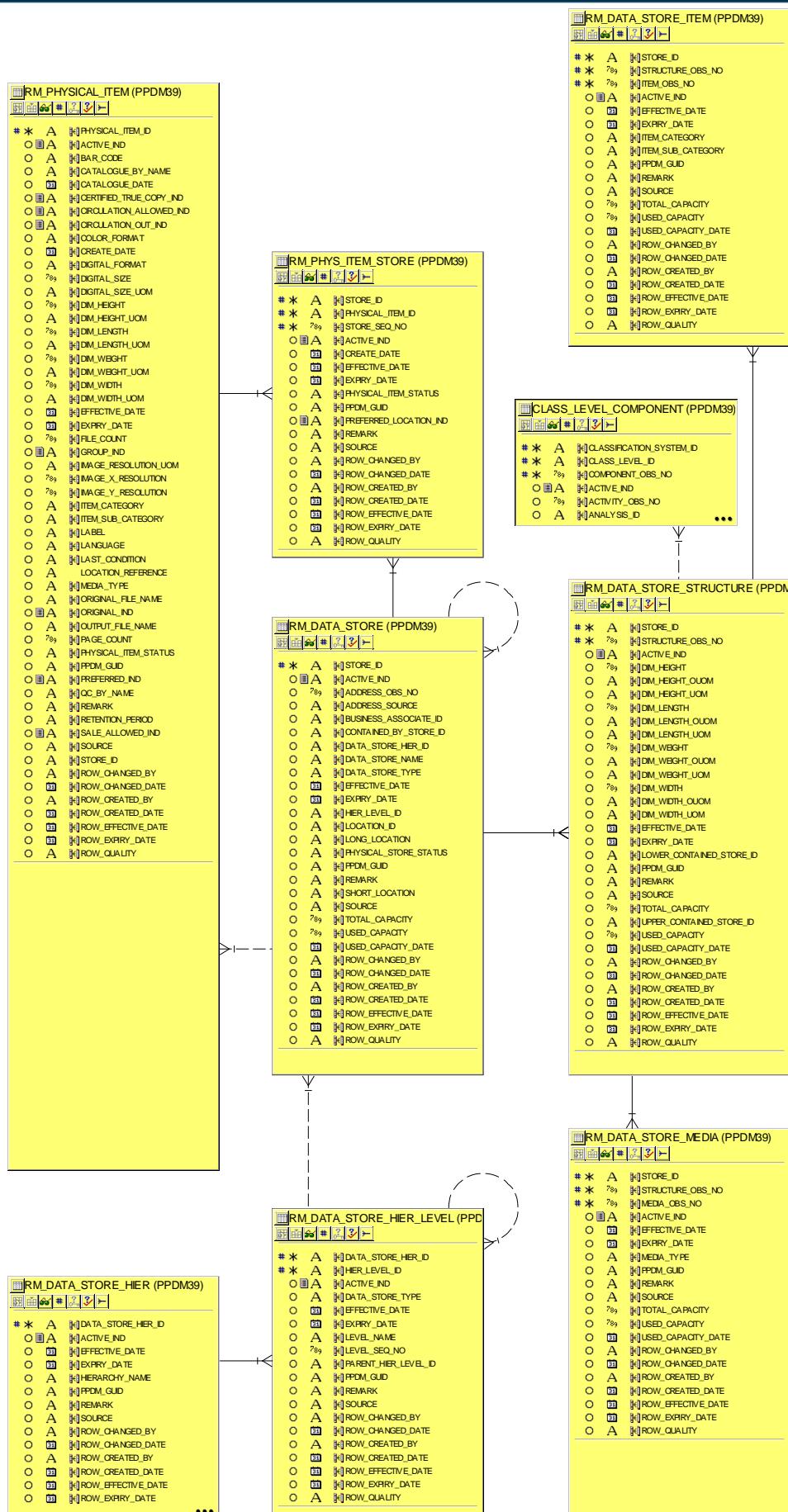
RESERVE SUMMARIES



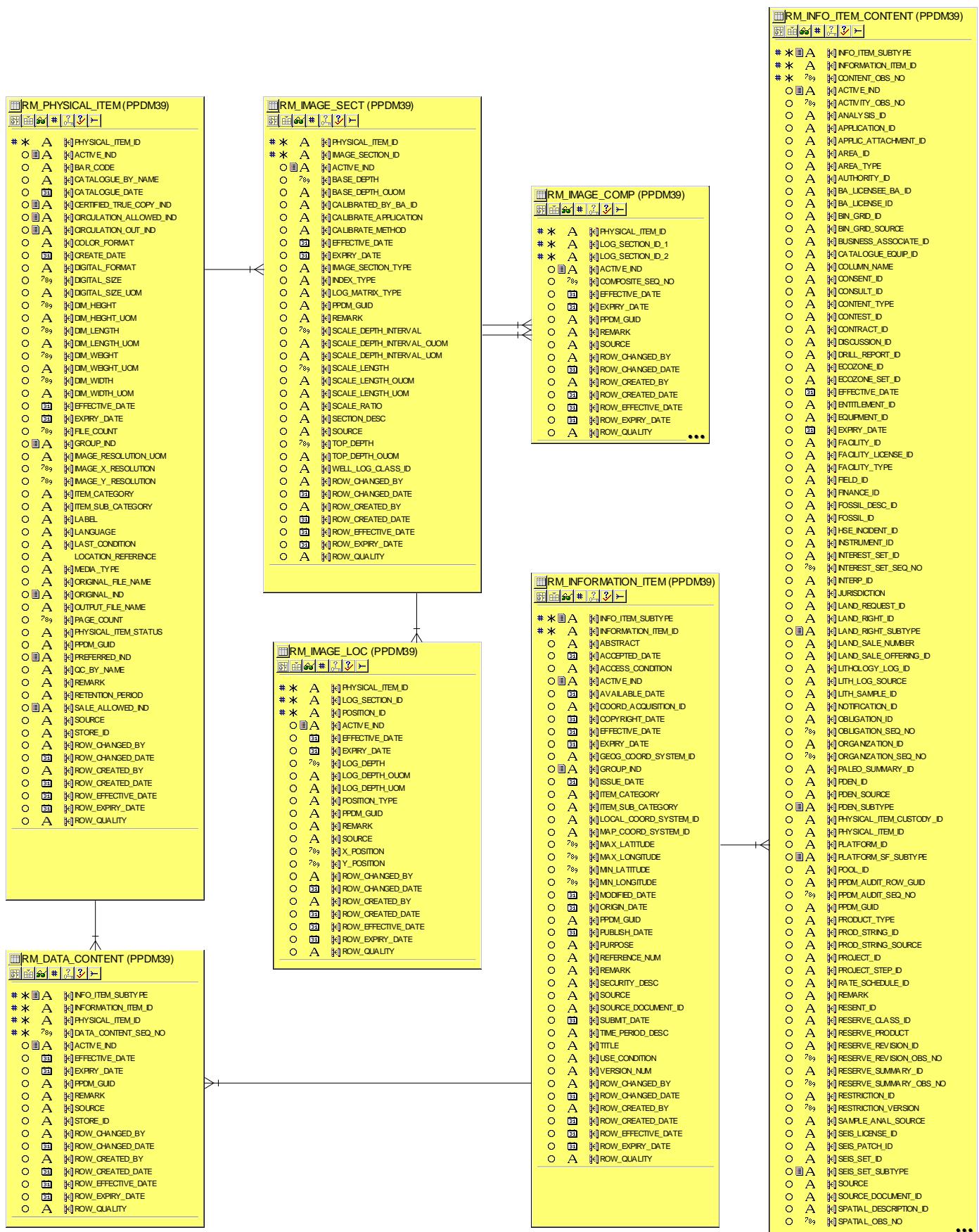
RESTRICTIONS



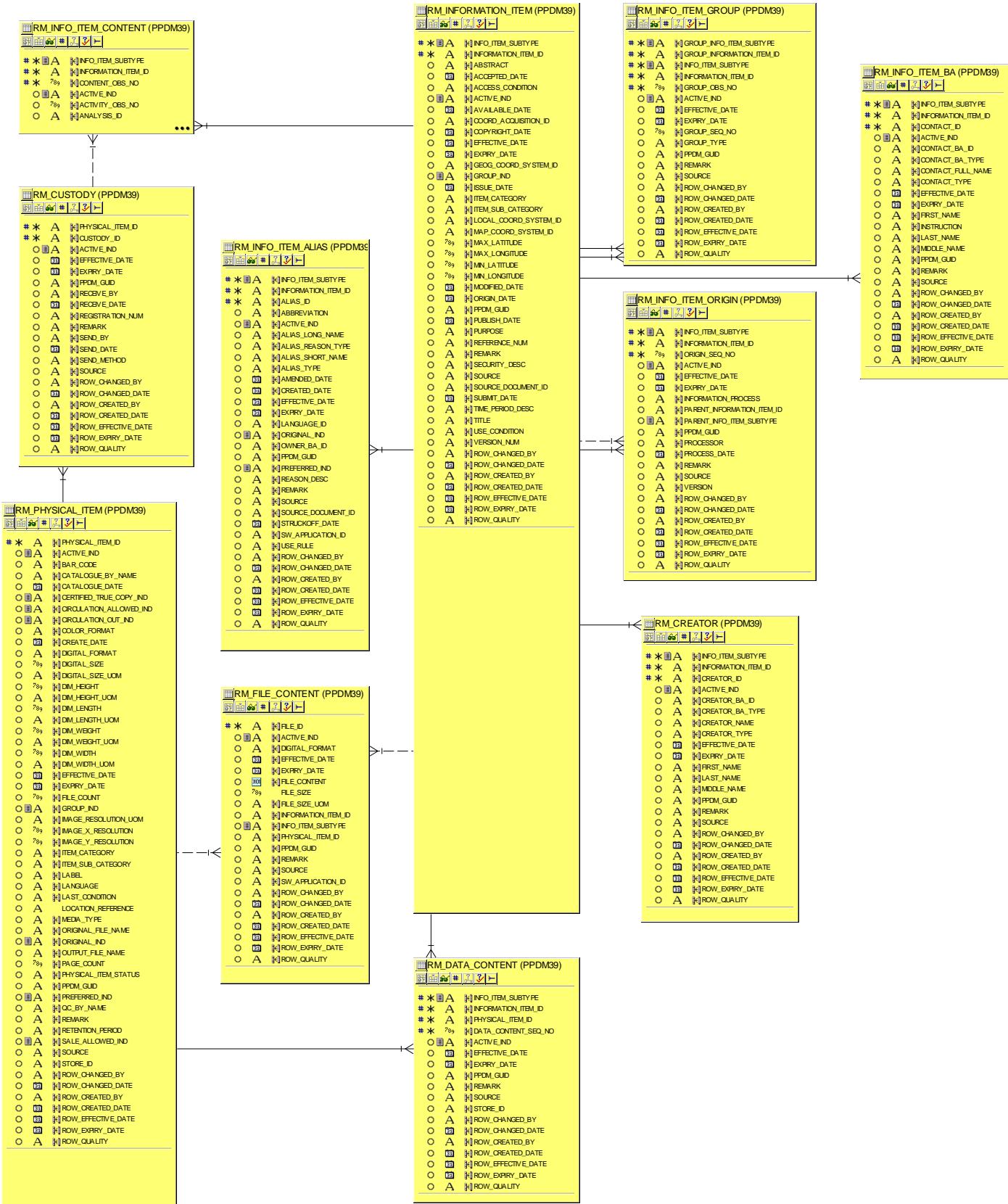
RM DATA STORE



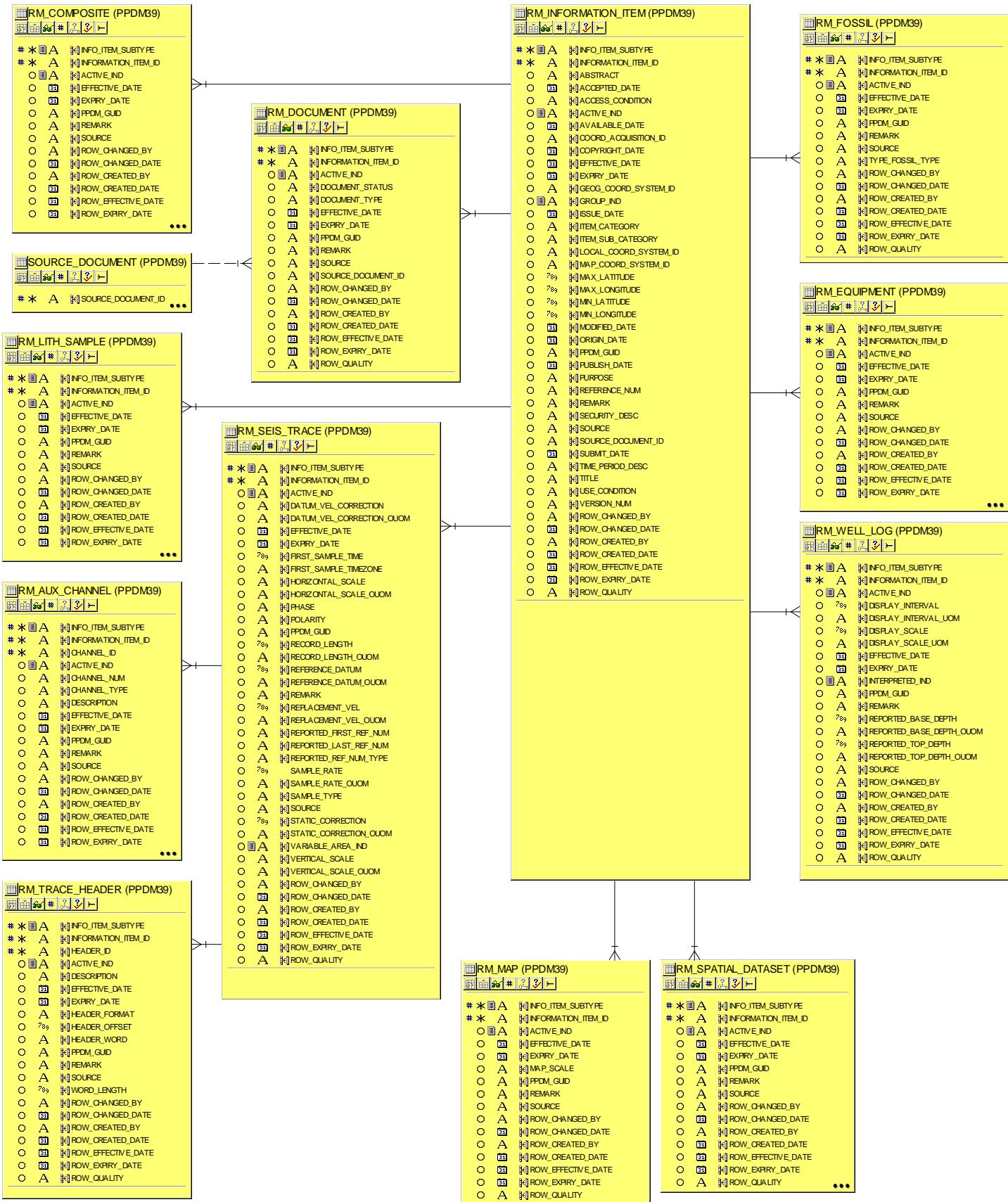
RM IMAGES



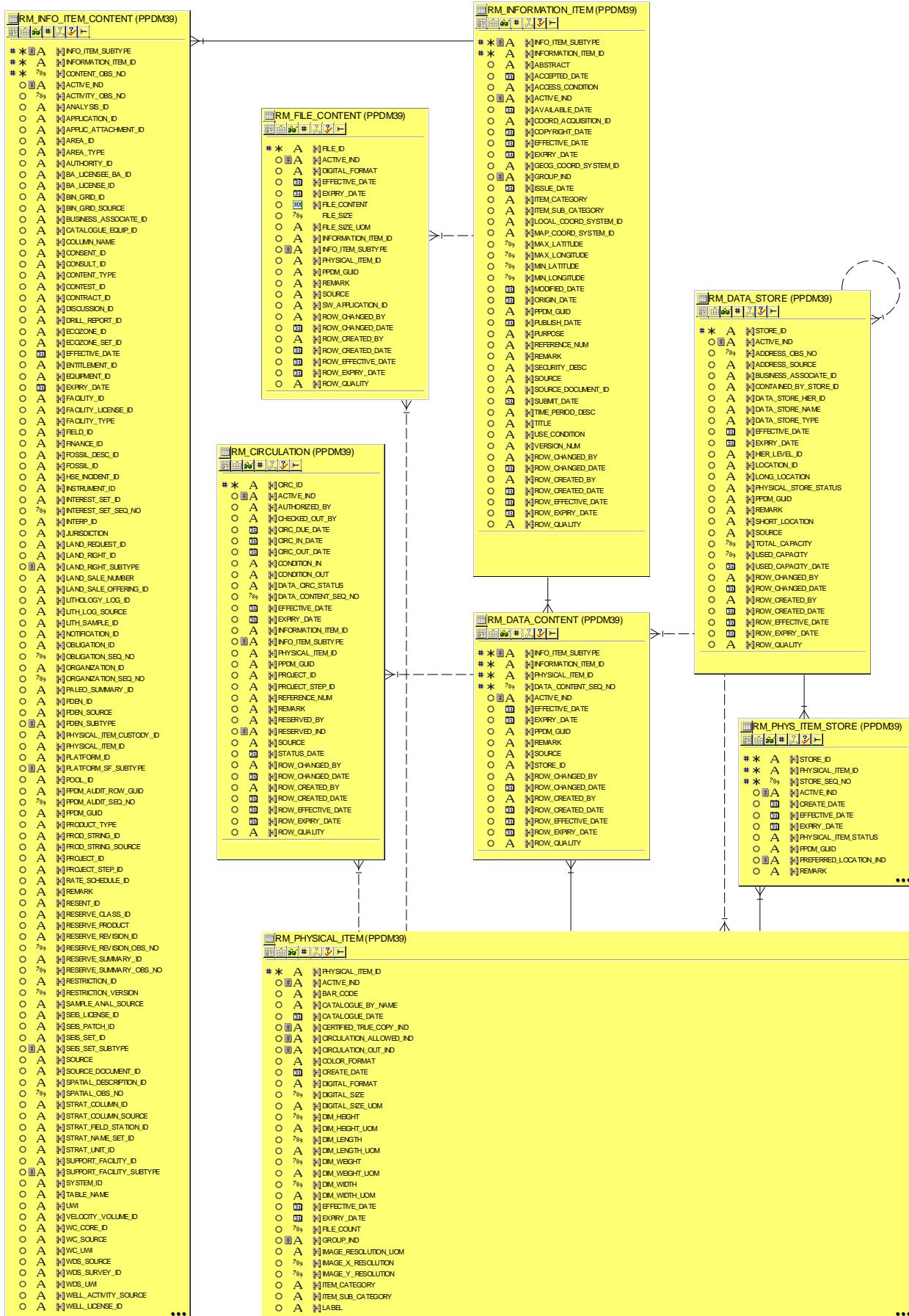
RM INFORMATION ITEM



RM INFORMATION ITEM SUBTYPES



RM OVERVIEW



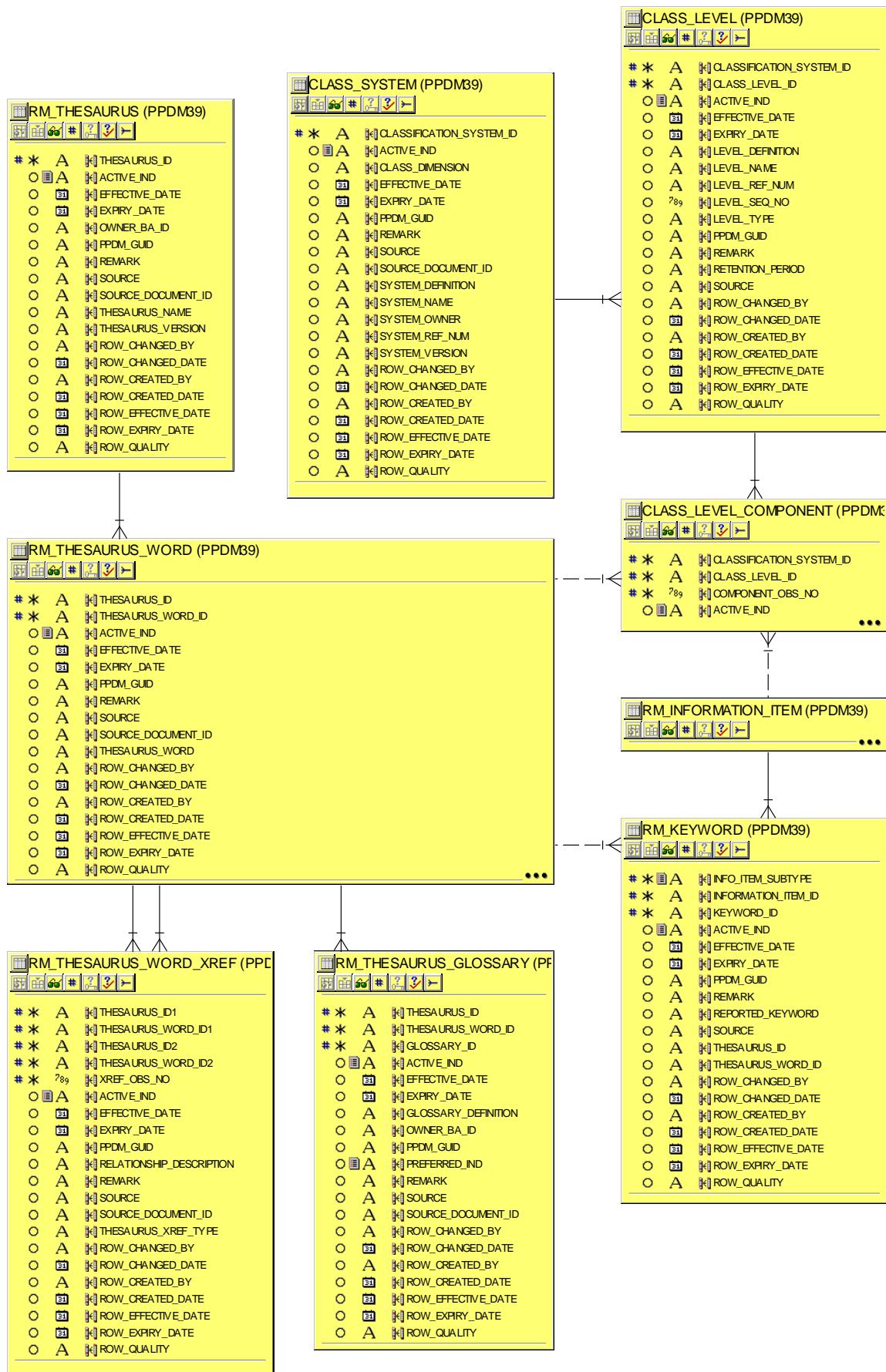
RM PHYSICAL ITEM



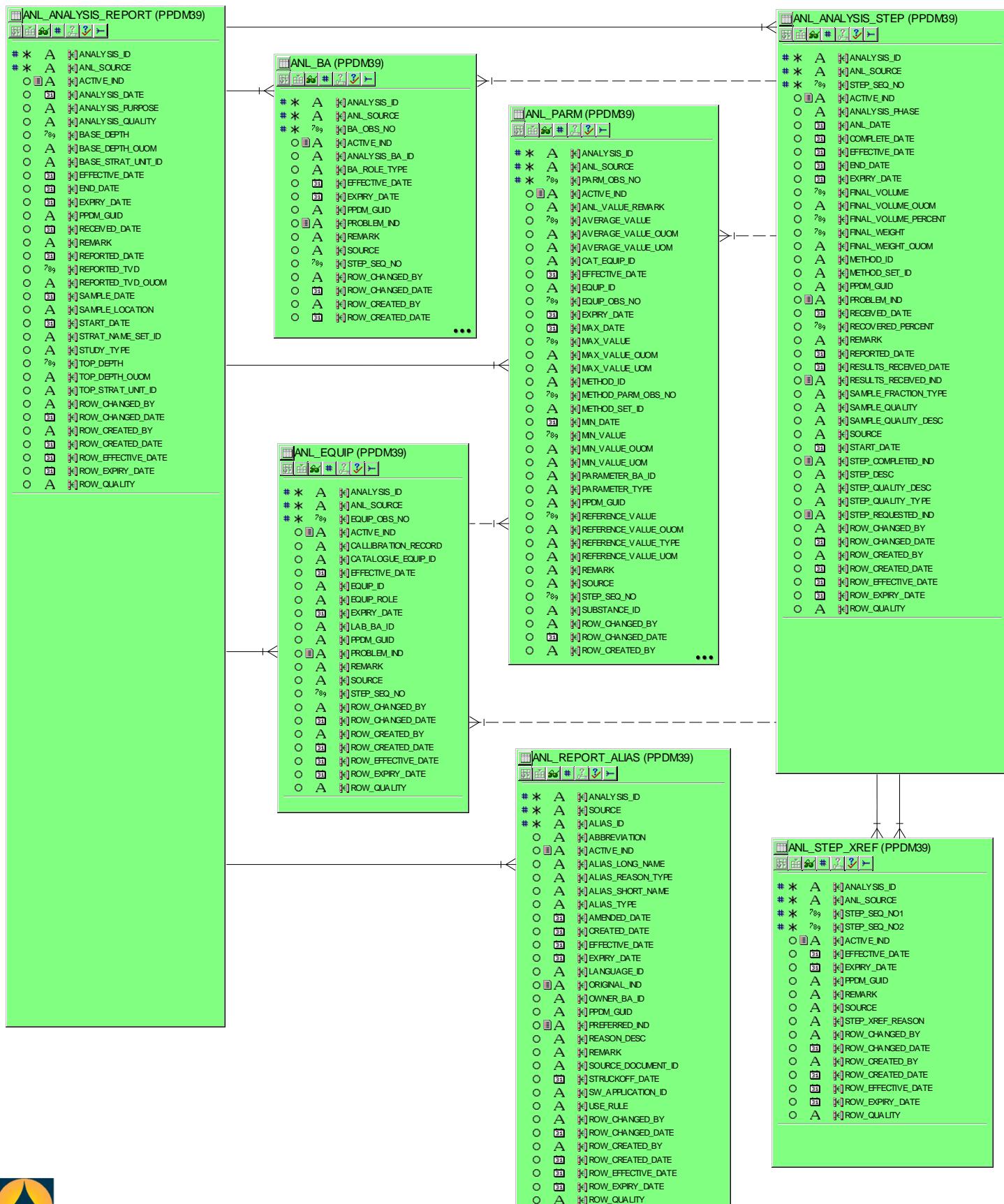
RM SPATIAL DATASETS



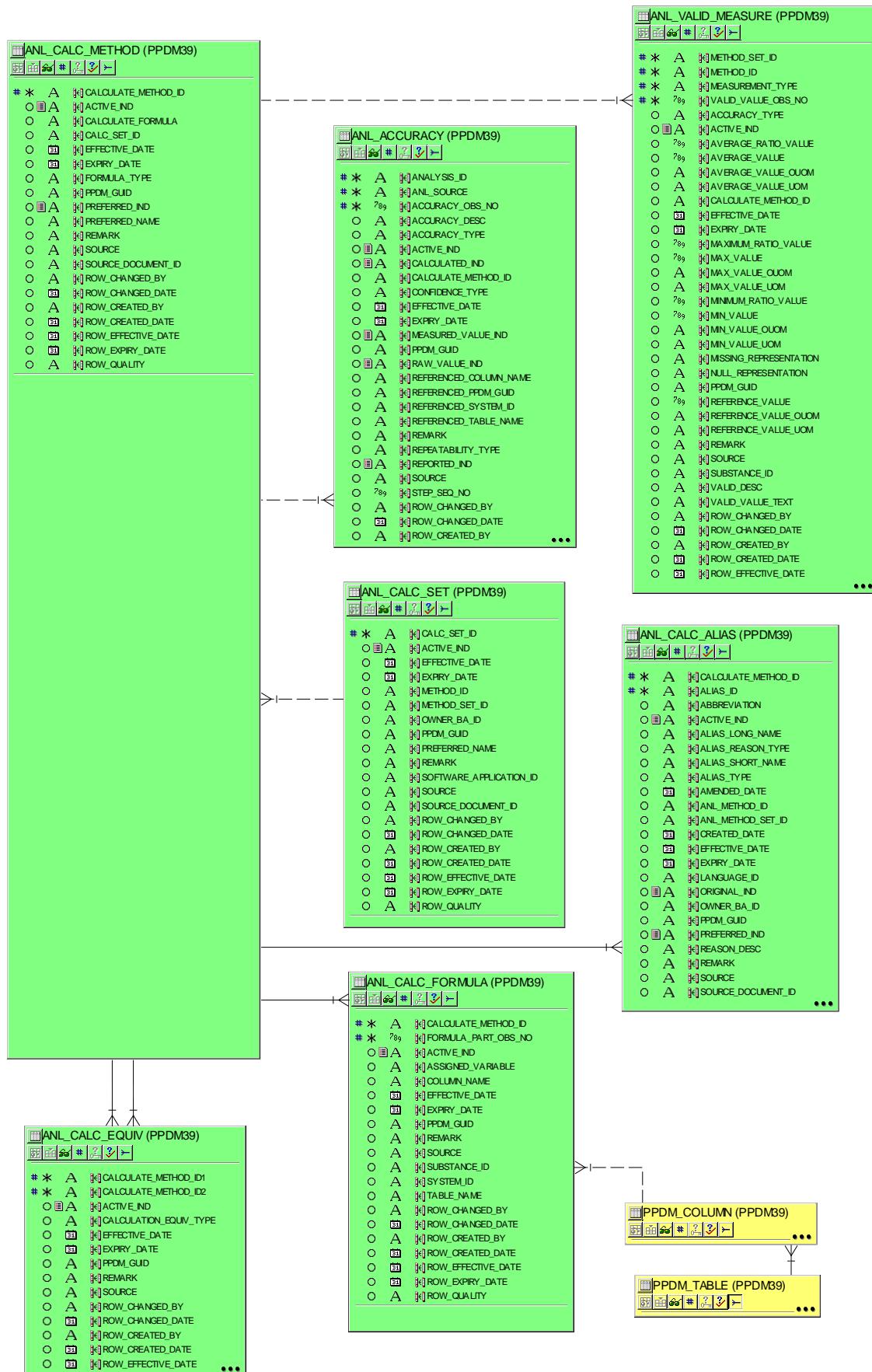
RM THESAURUS AND GLOSSARY



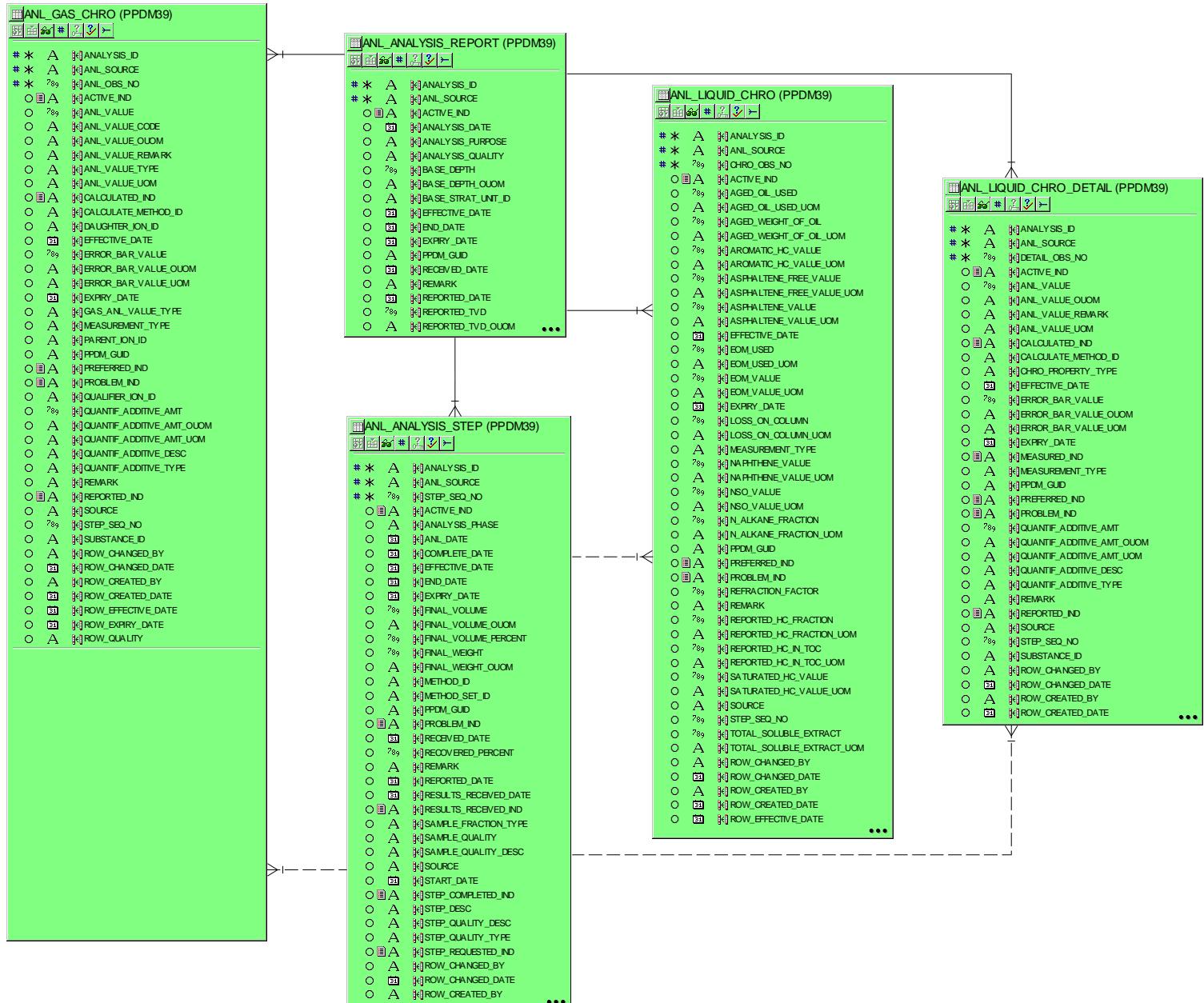
SAMPLE ANALYSIS



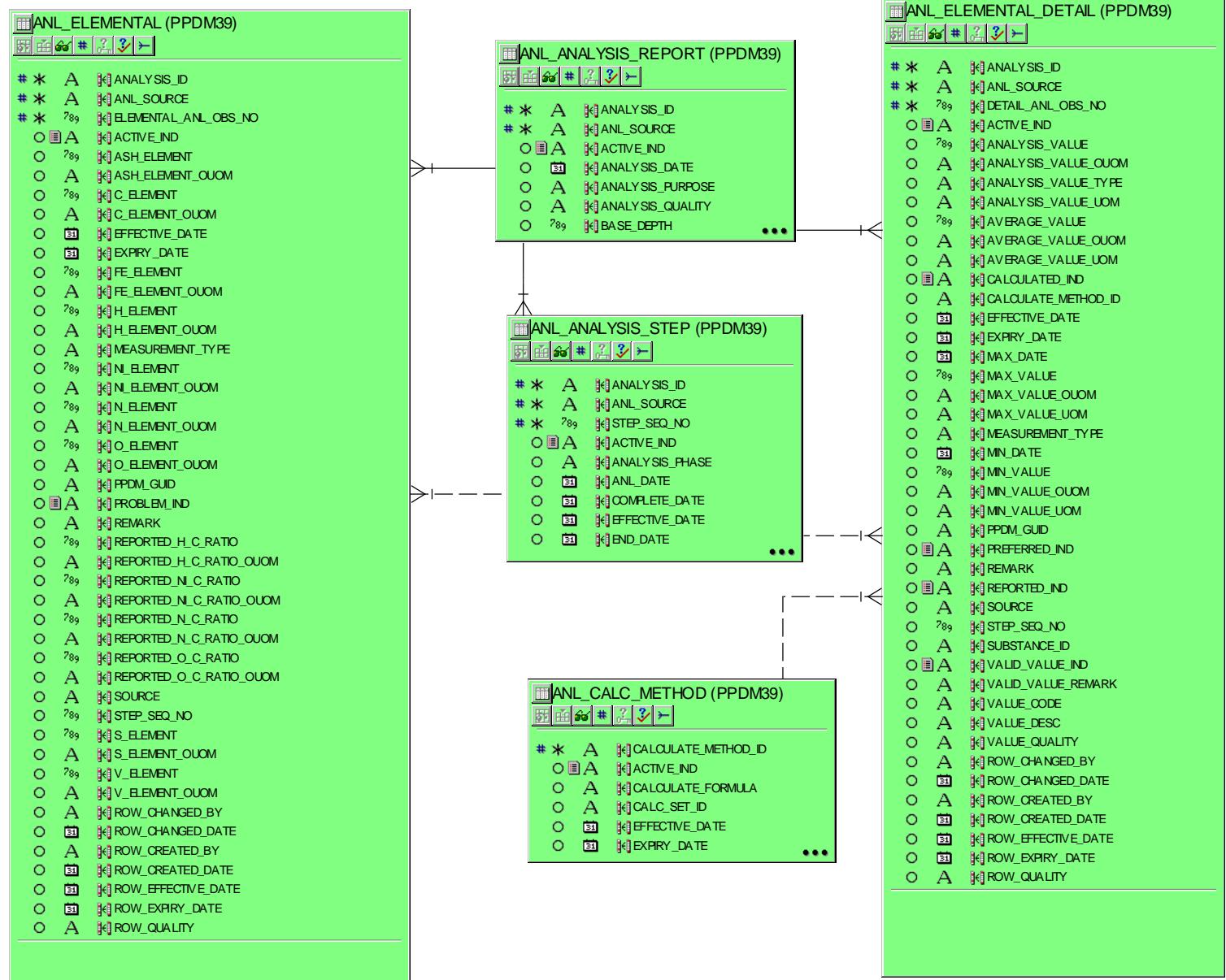
SAMPLE ANALYSIS: CALCULATIONS



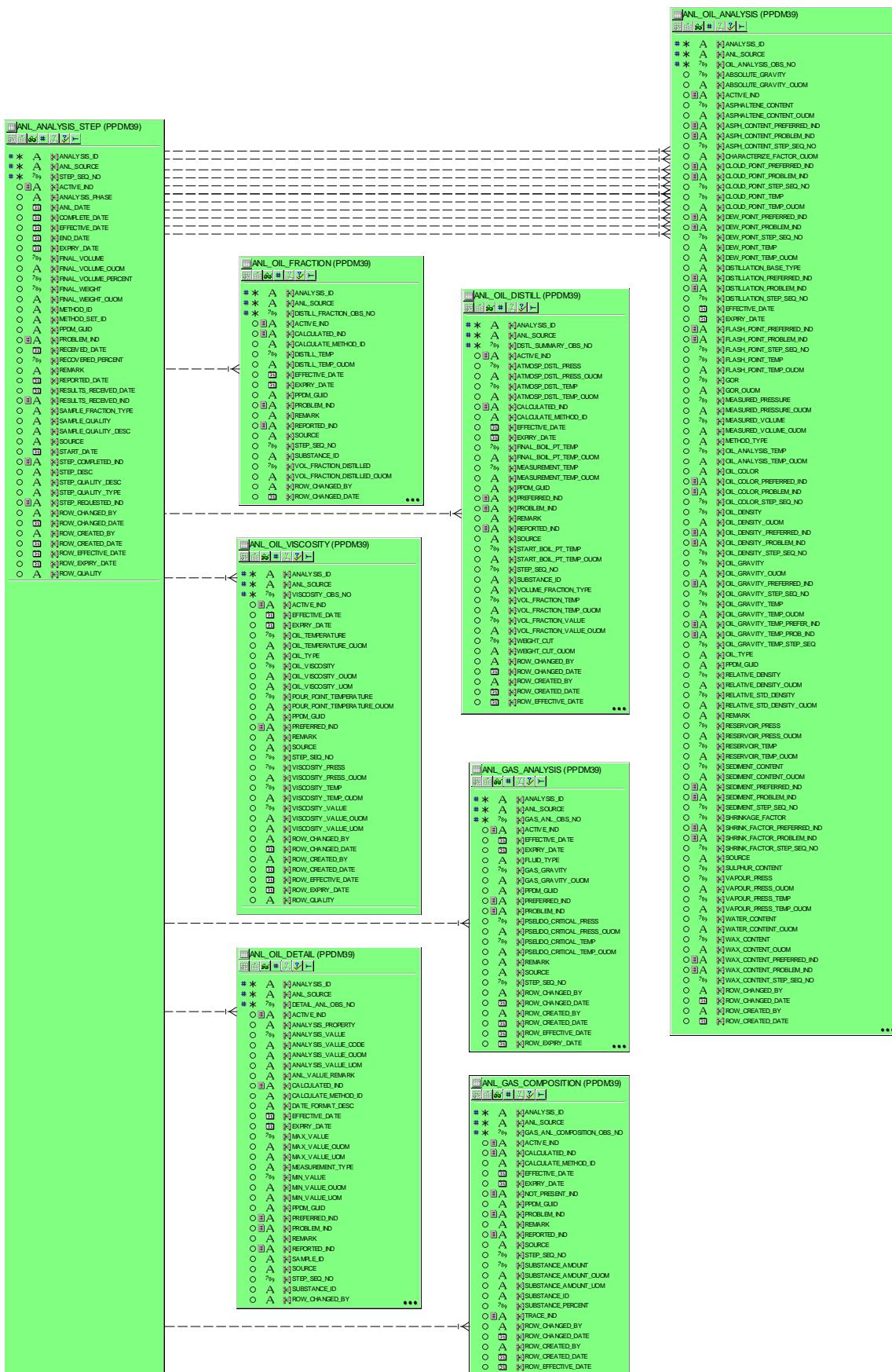
SAMPLE ANALYSIS: CHROMATOGRAPHY



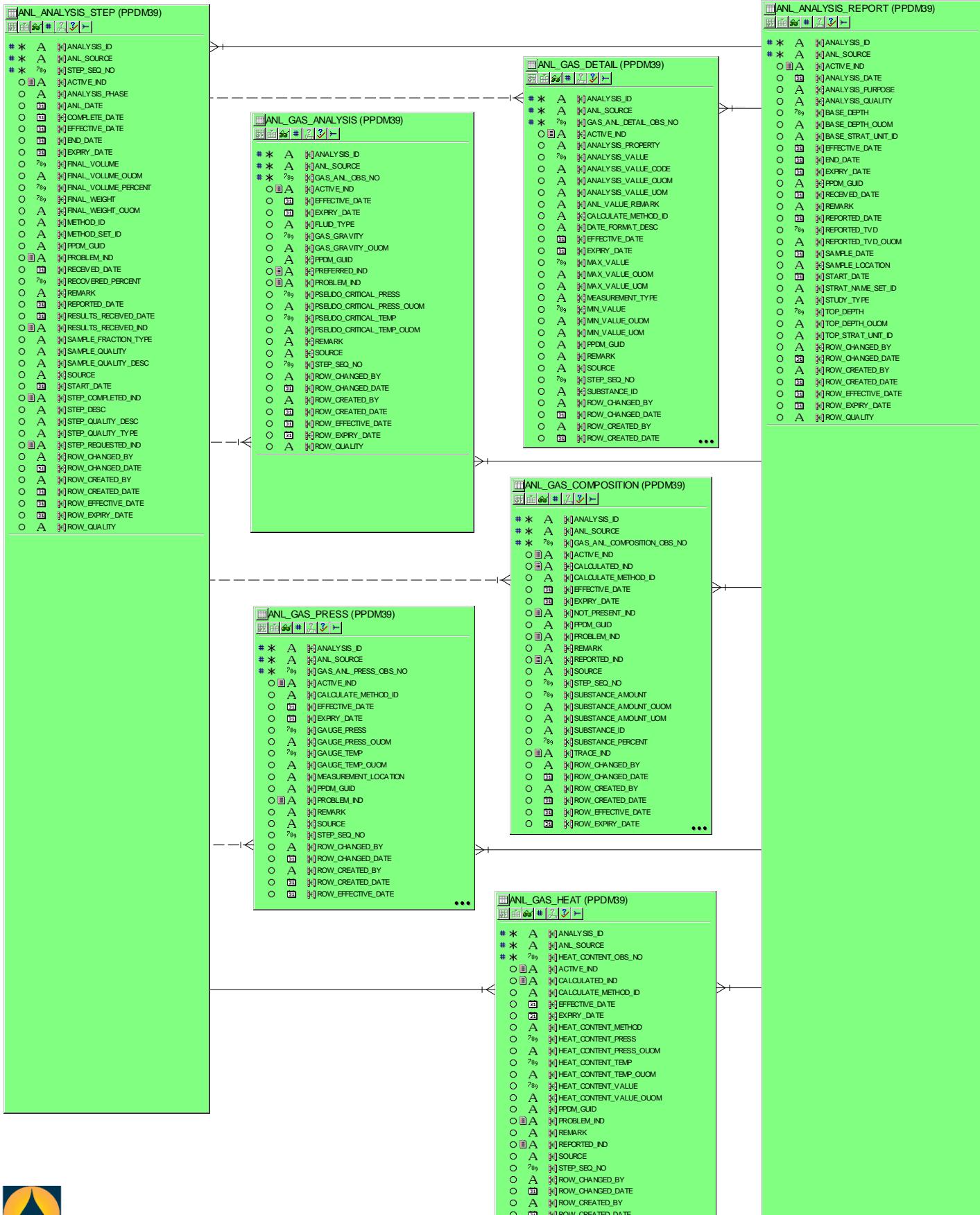
SAMPLE ANALYSIS: ELEMENTAL



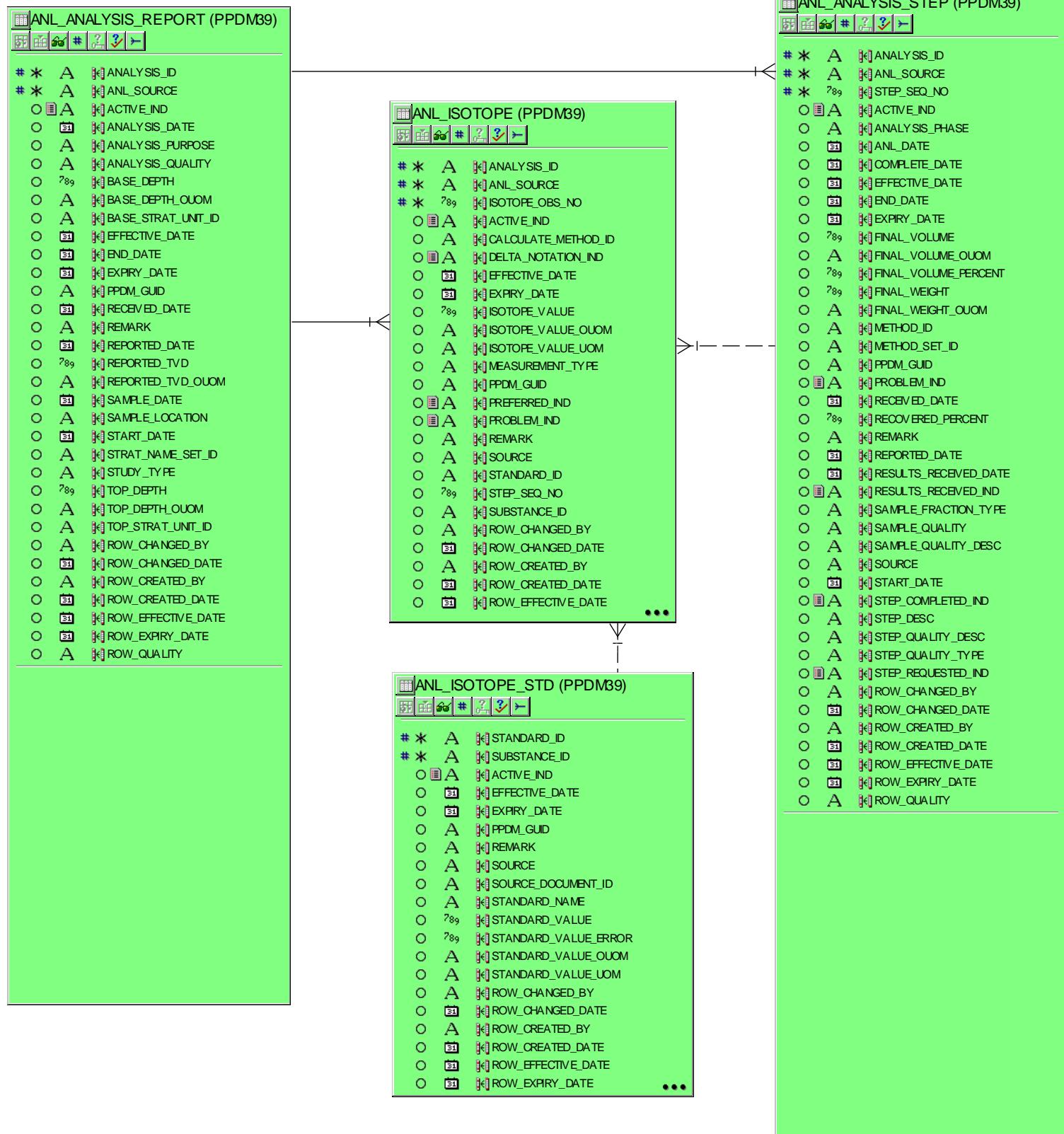
SAMPLE ANALYSIS: FLUID ANALYSIS & PVT



SAMPLE ANALYSIS: GAS



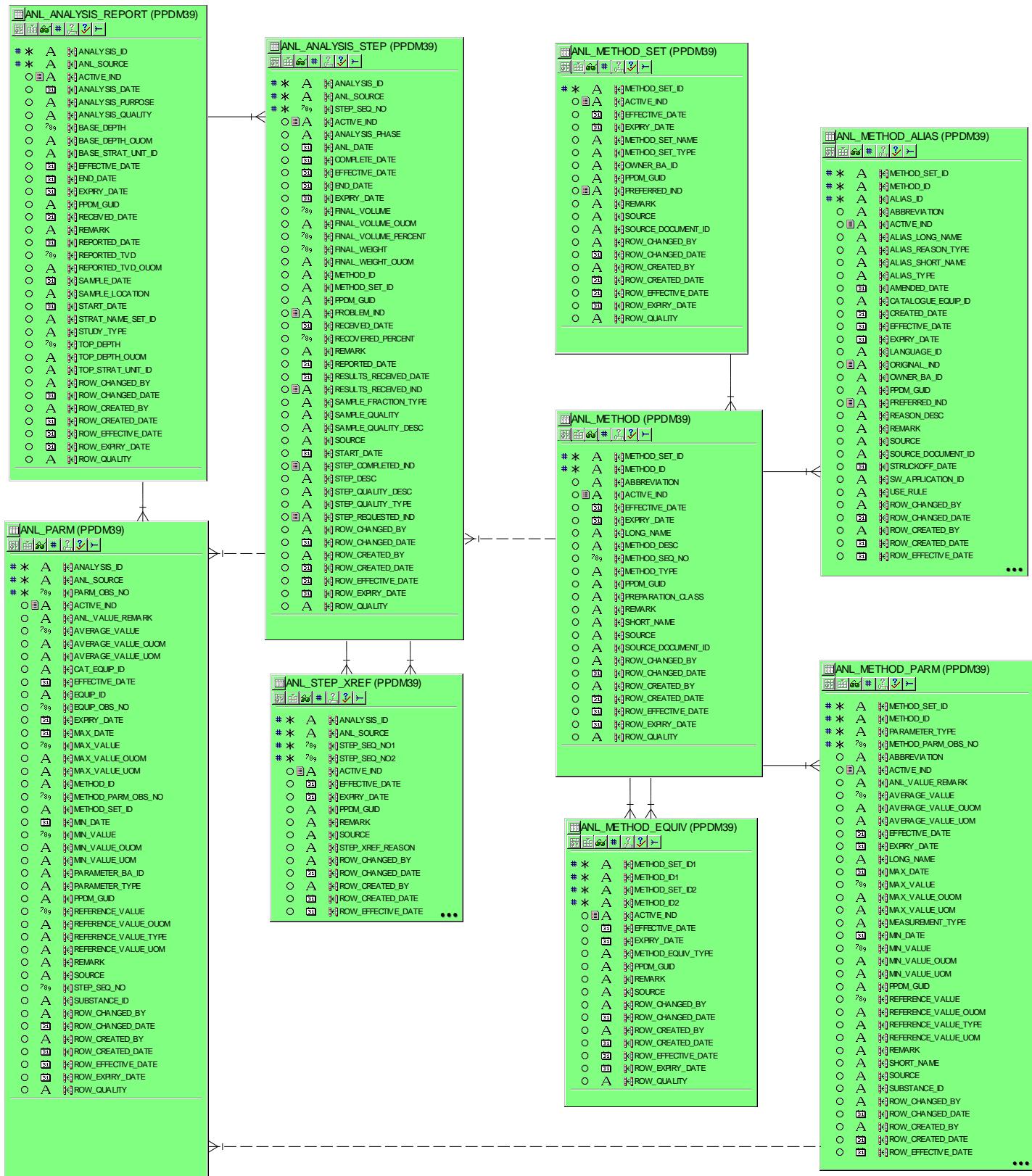
SAMPLE ANALYSIS: ISOTOPES



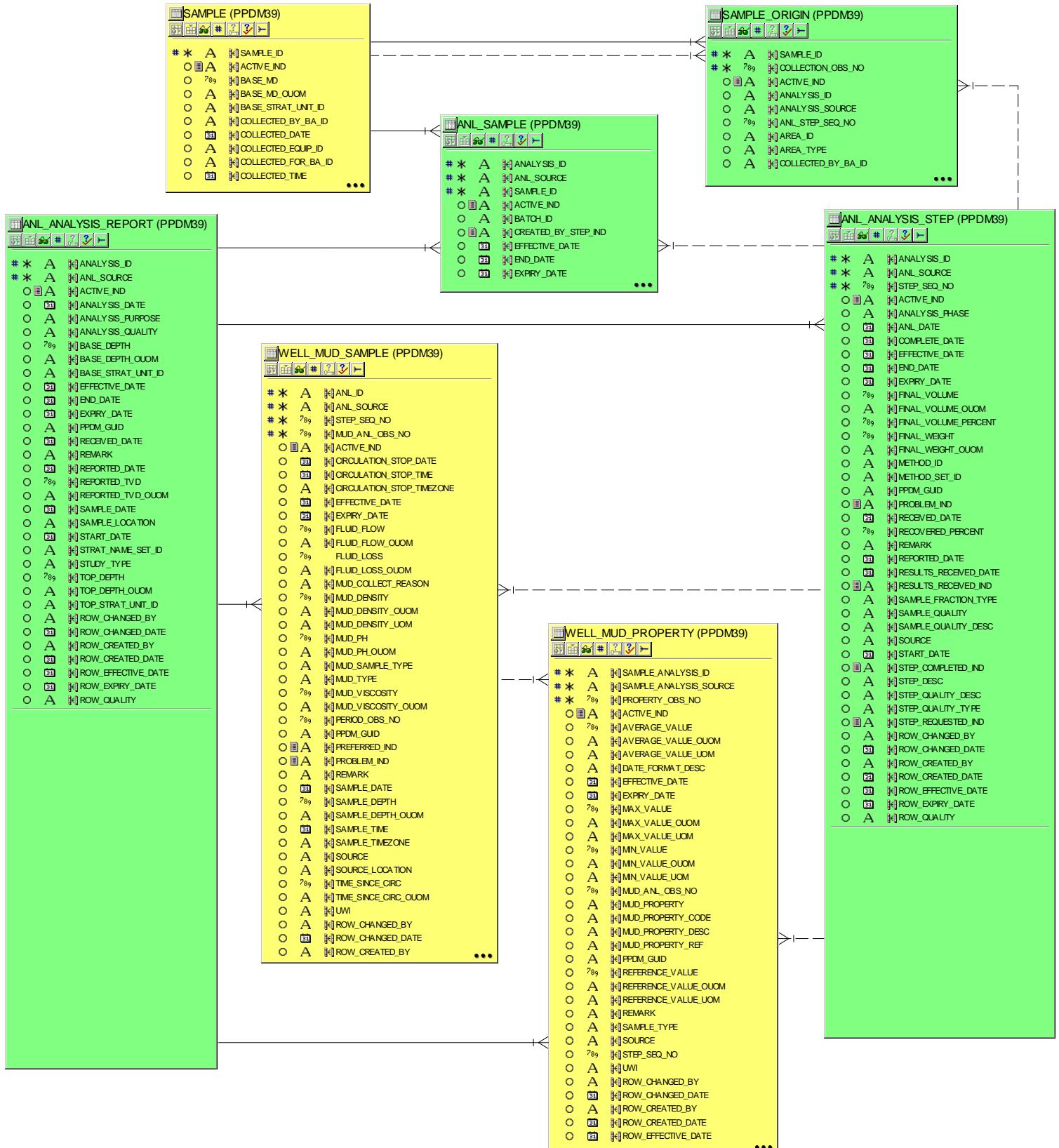
SAMPLE ANALYSIS: MATURITY



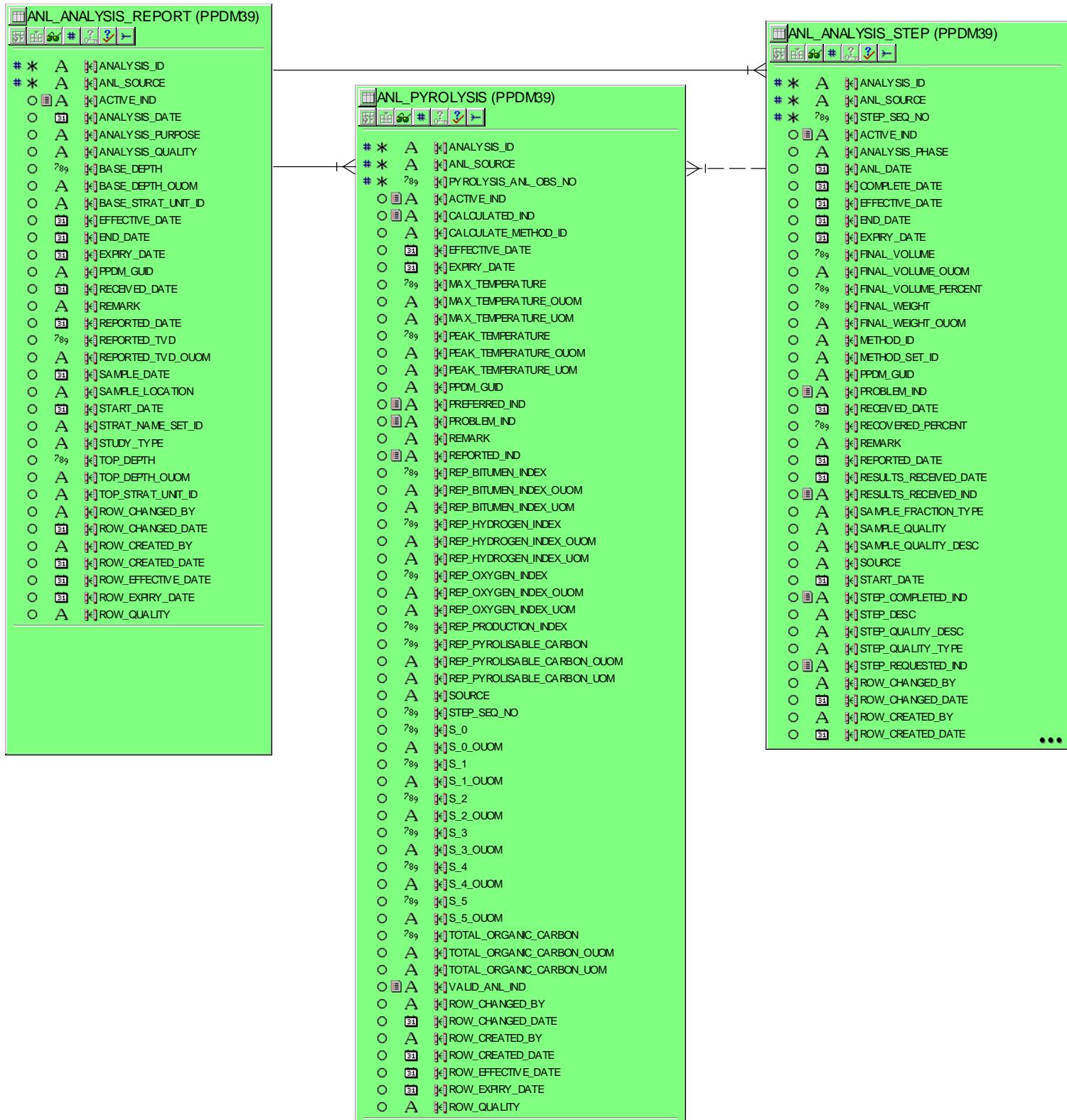
SAMPLE ANALYSIS: METHODS AND TECHNIQUES



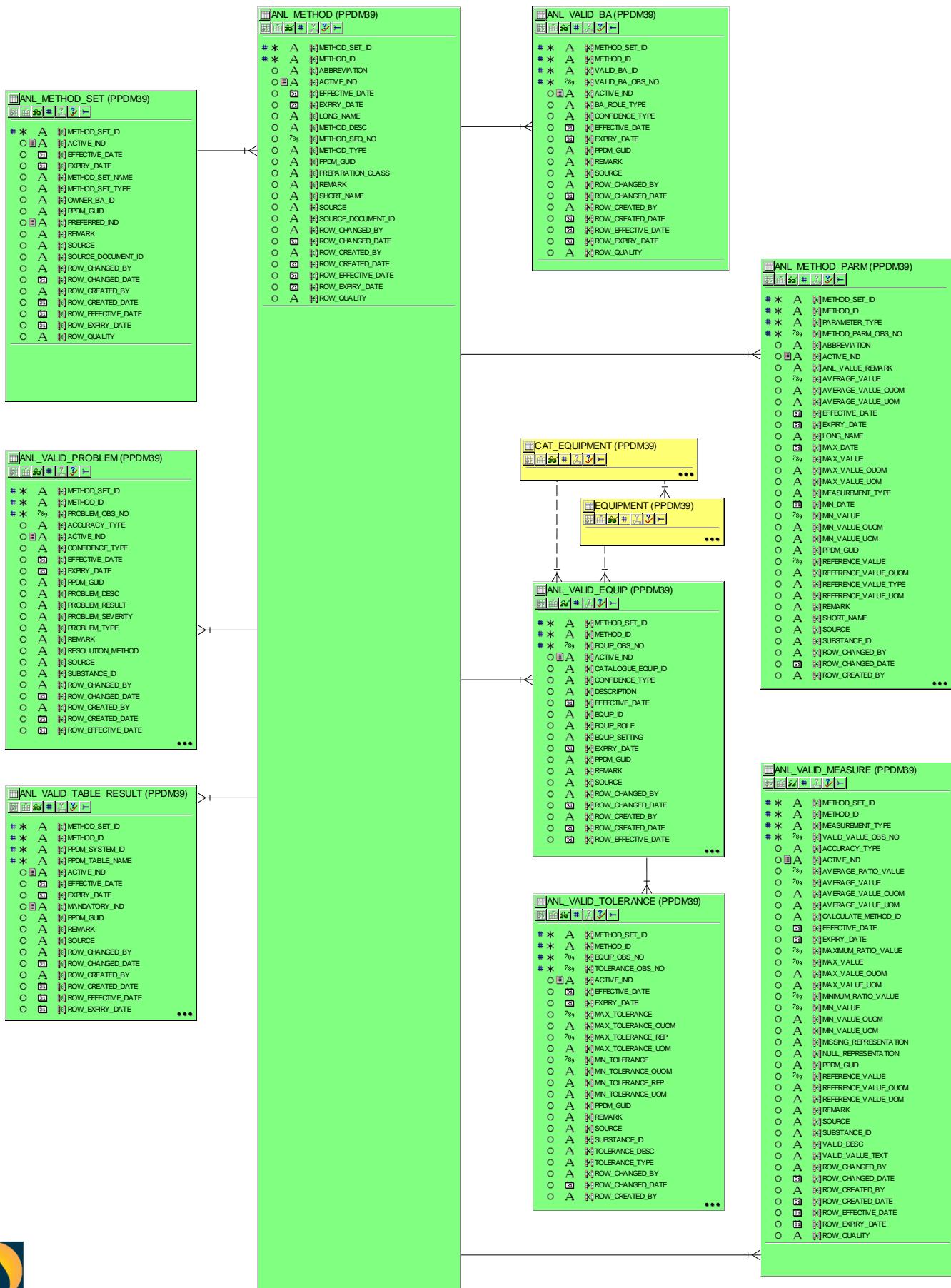
SAMPLE ANALYSIS: MUD



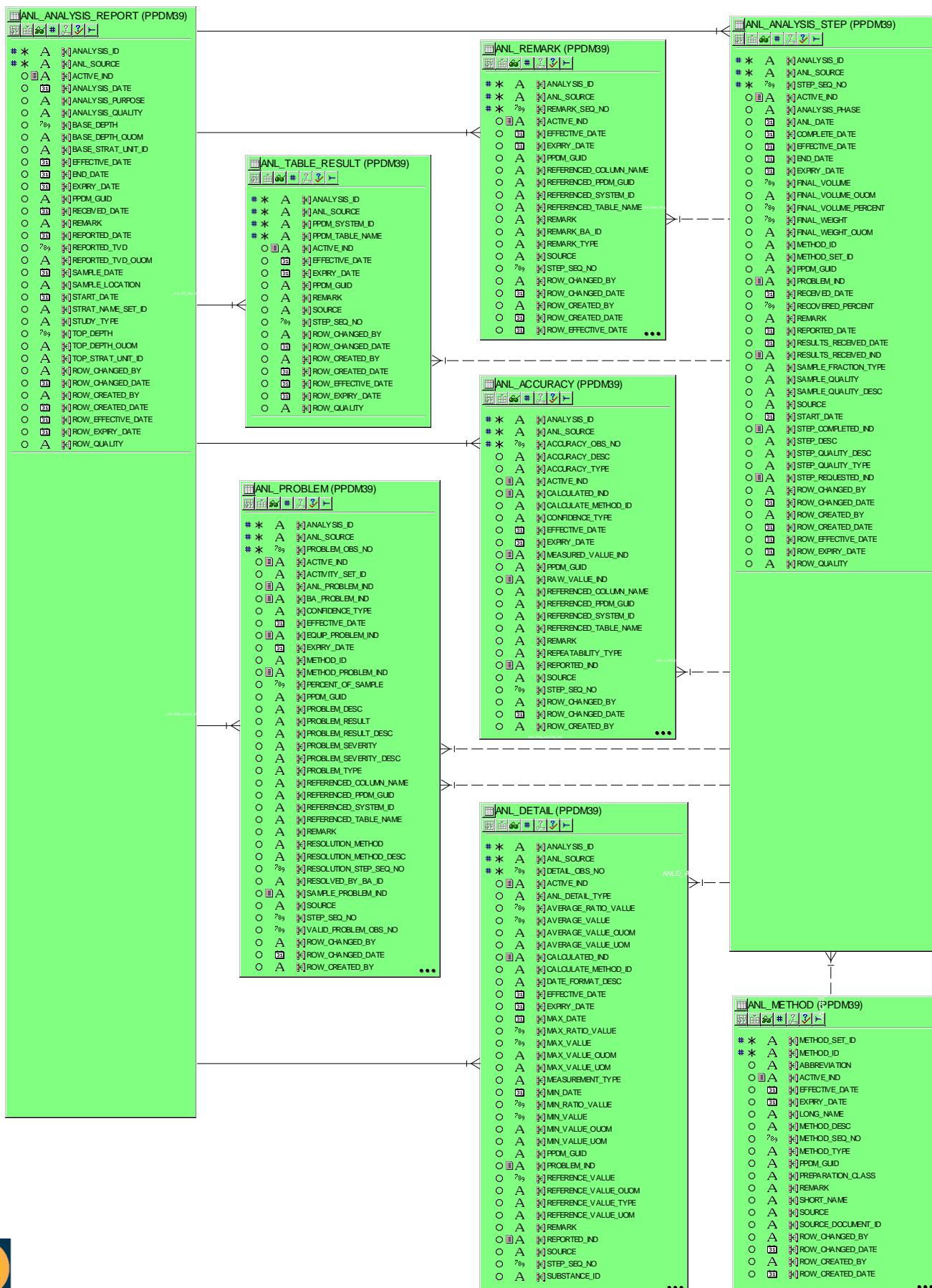
SAMPLE ANALYSIS: PYROLYSIS



SAMPLE ANALYSIS: QC VALIDATION



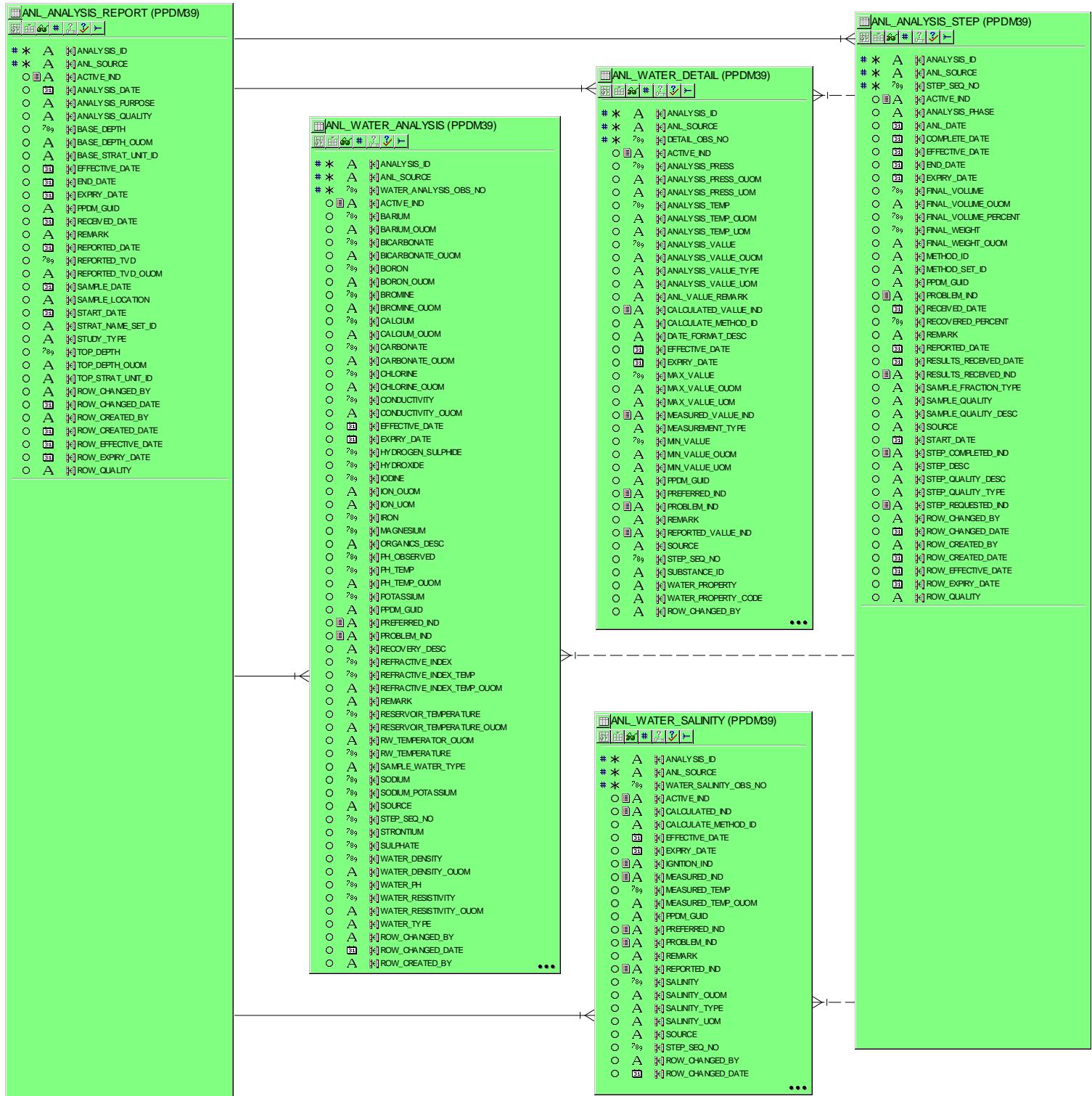
SAMPLE ANALYSIS: RESULTS



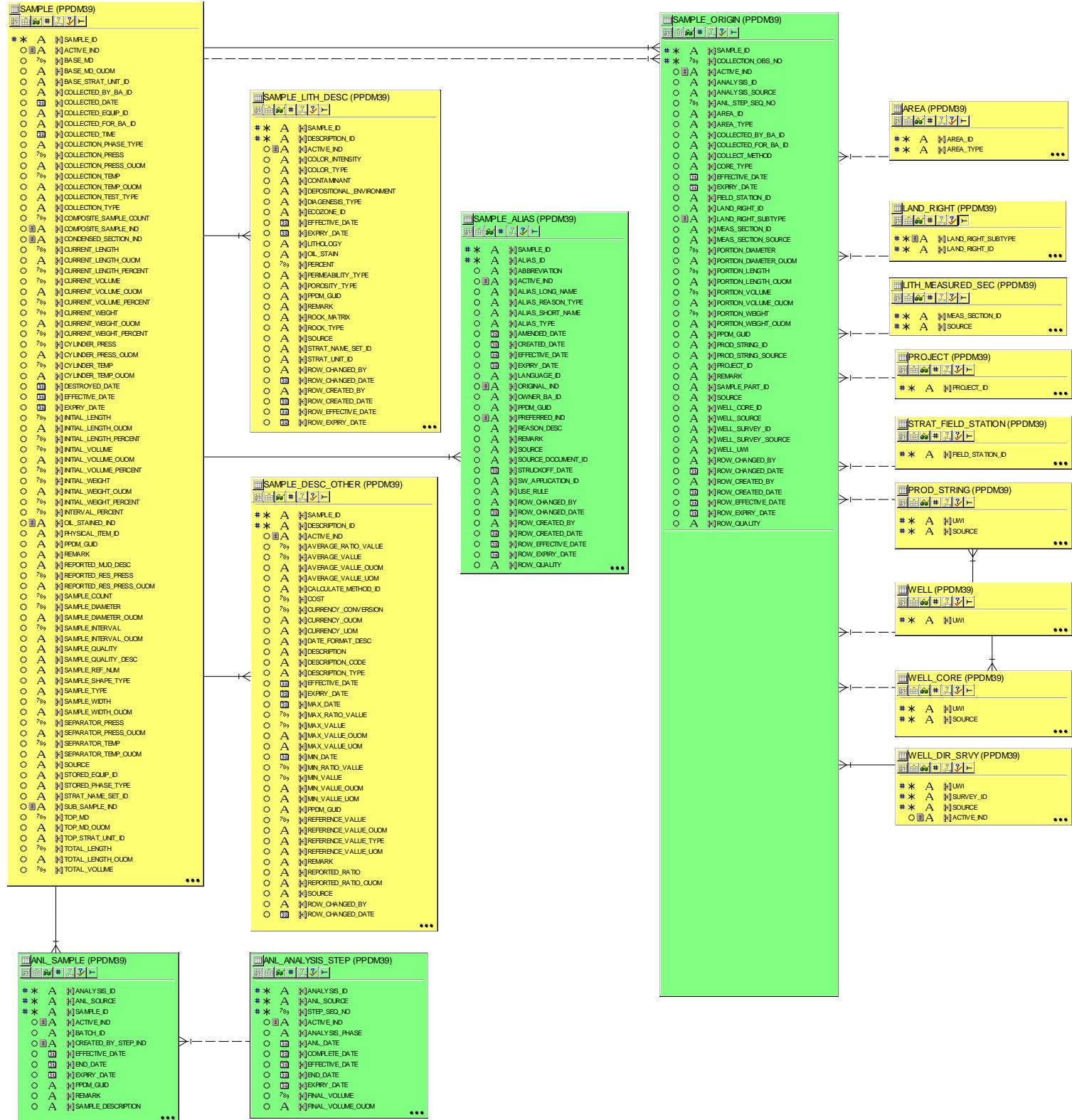
SAMPLE ANALYSIS: THERMAL ALTERATION



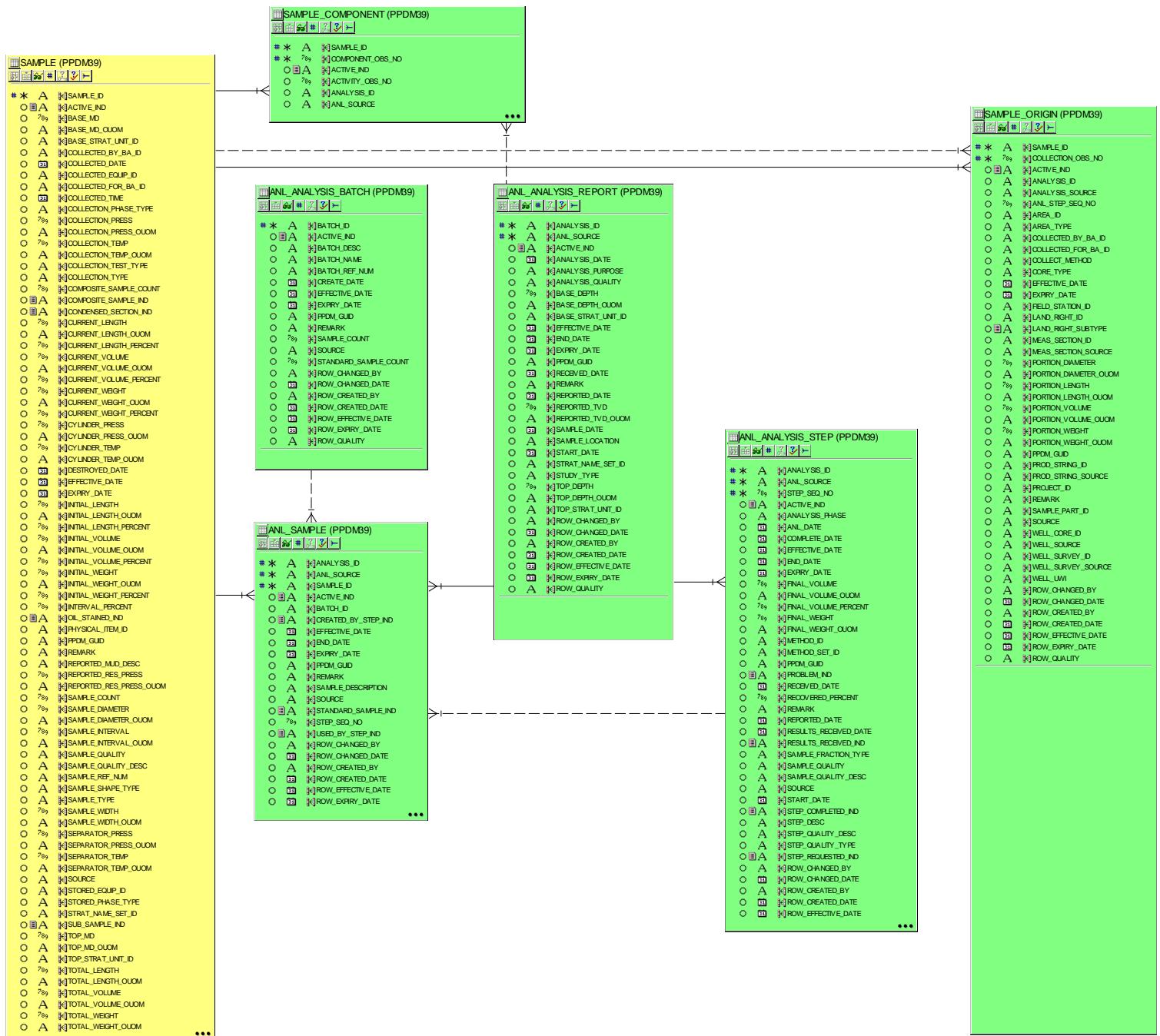
SAMPLE ANALYSIS: WATER



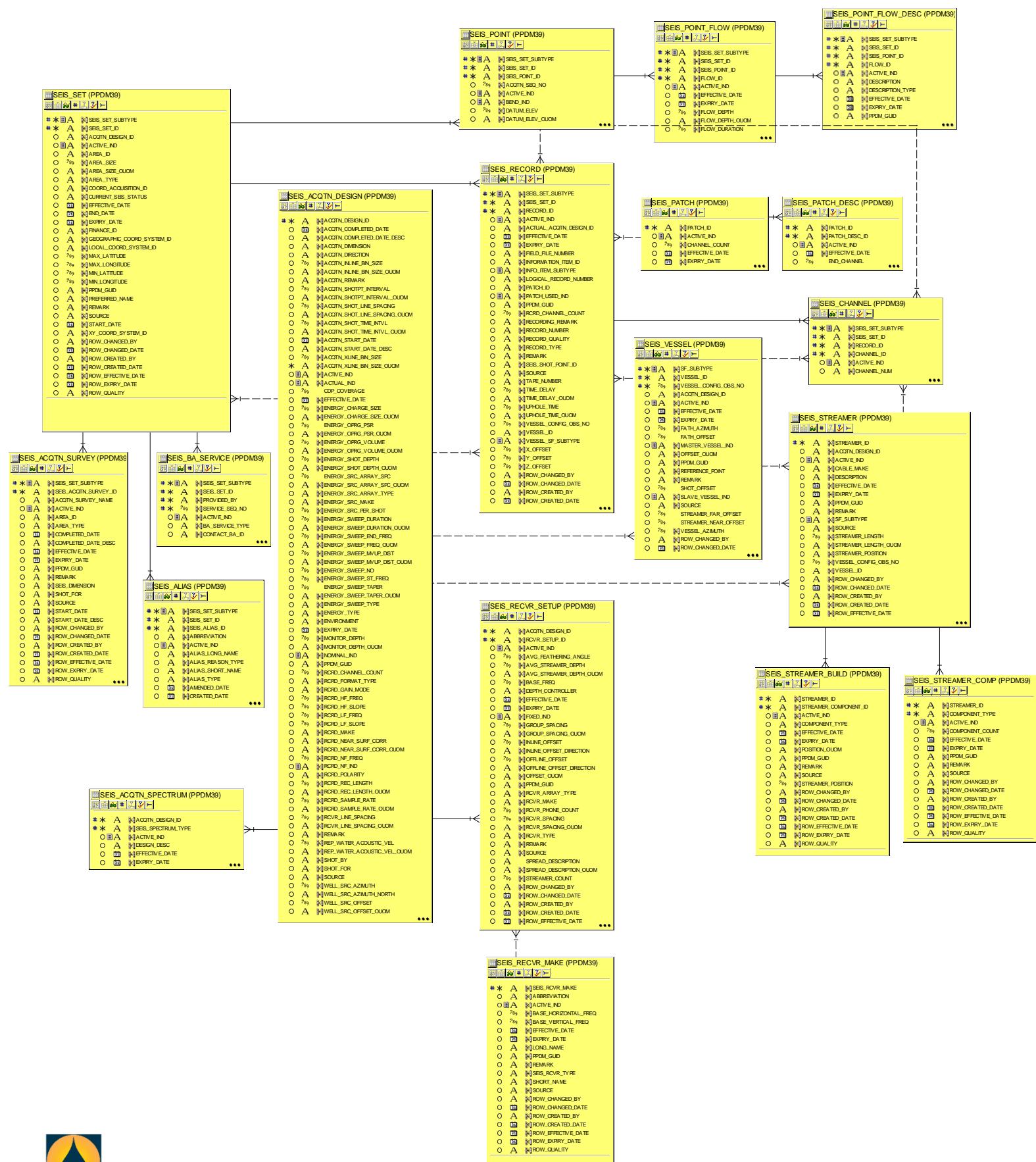
SAMPLE DESCRIPTIONS



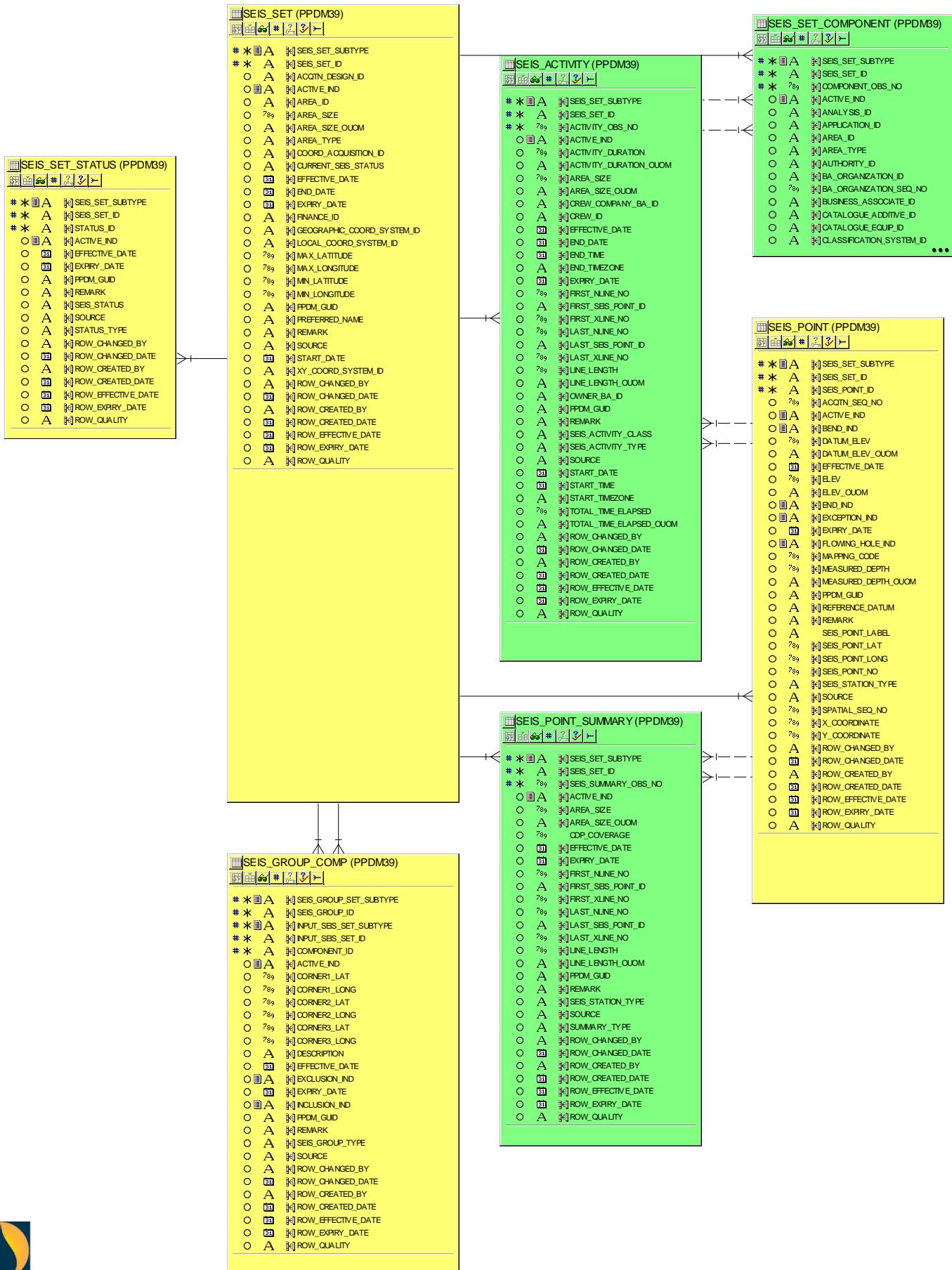
SAMPLE USED IN ANALYSIS



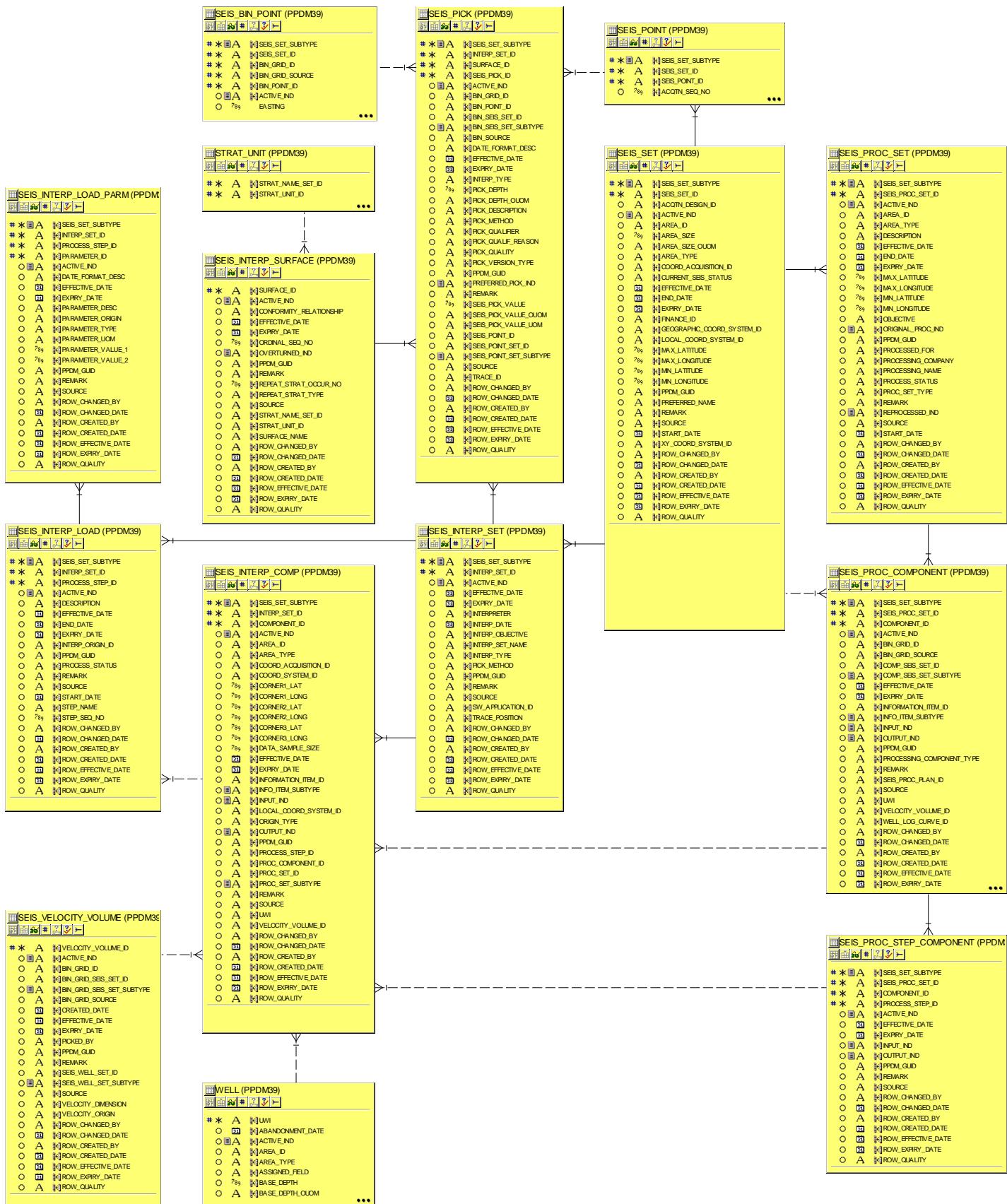
SEISMIC ACQUISITION



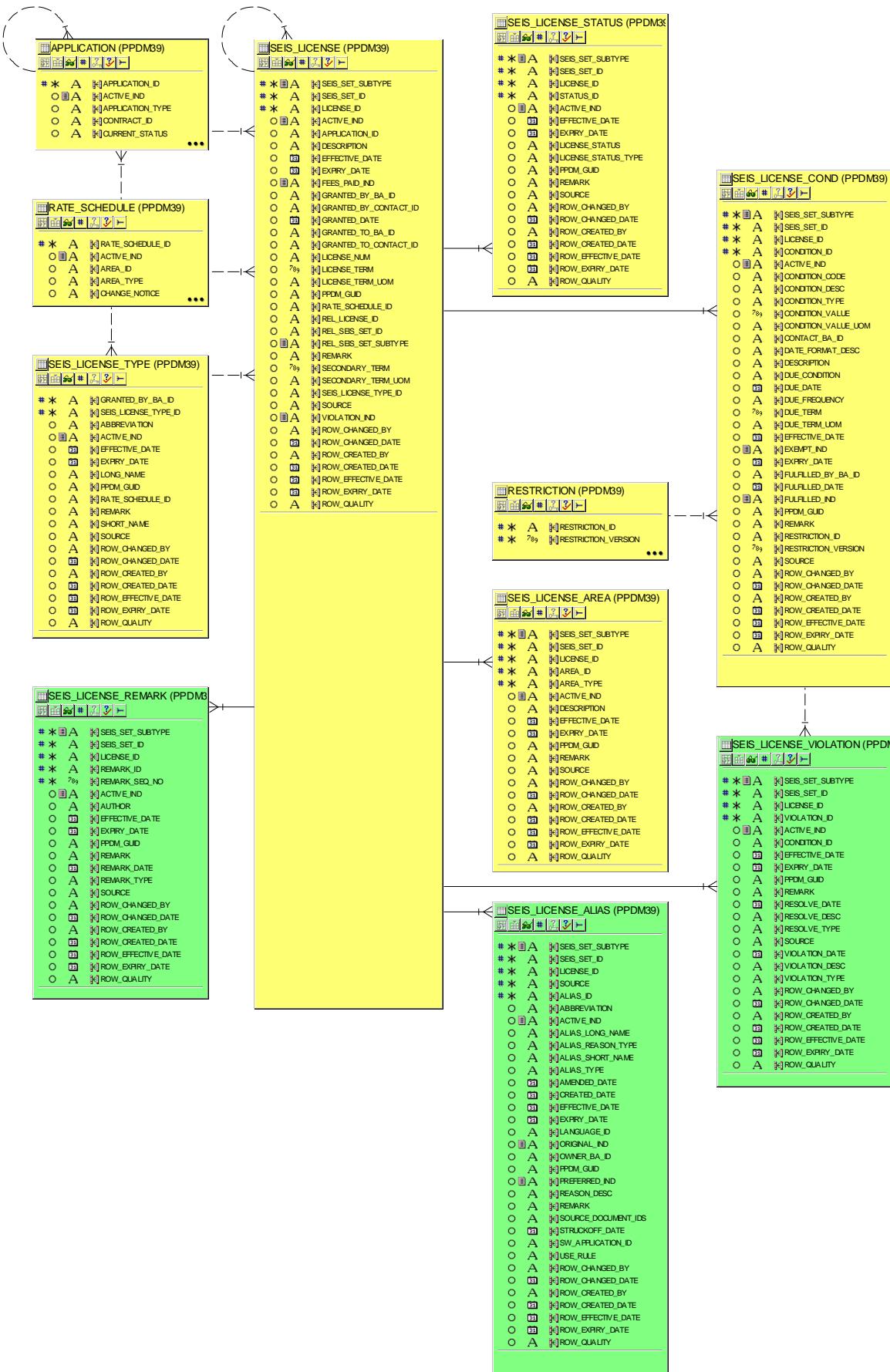
SEISMIC ACTIVITIES



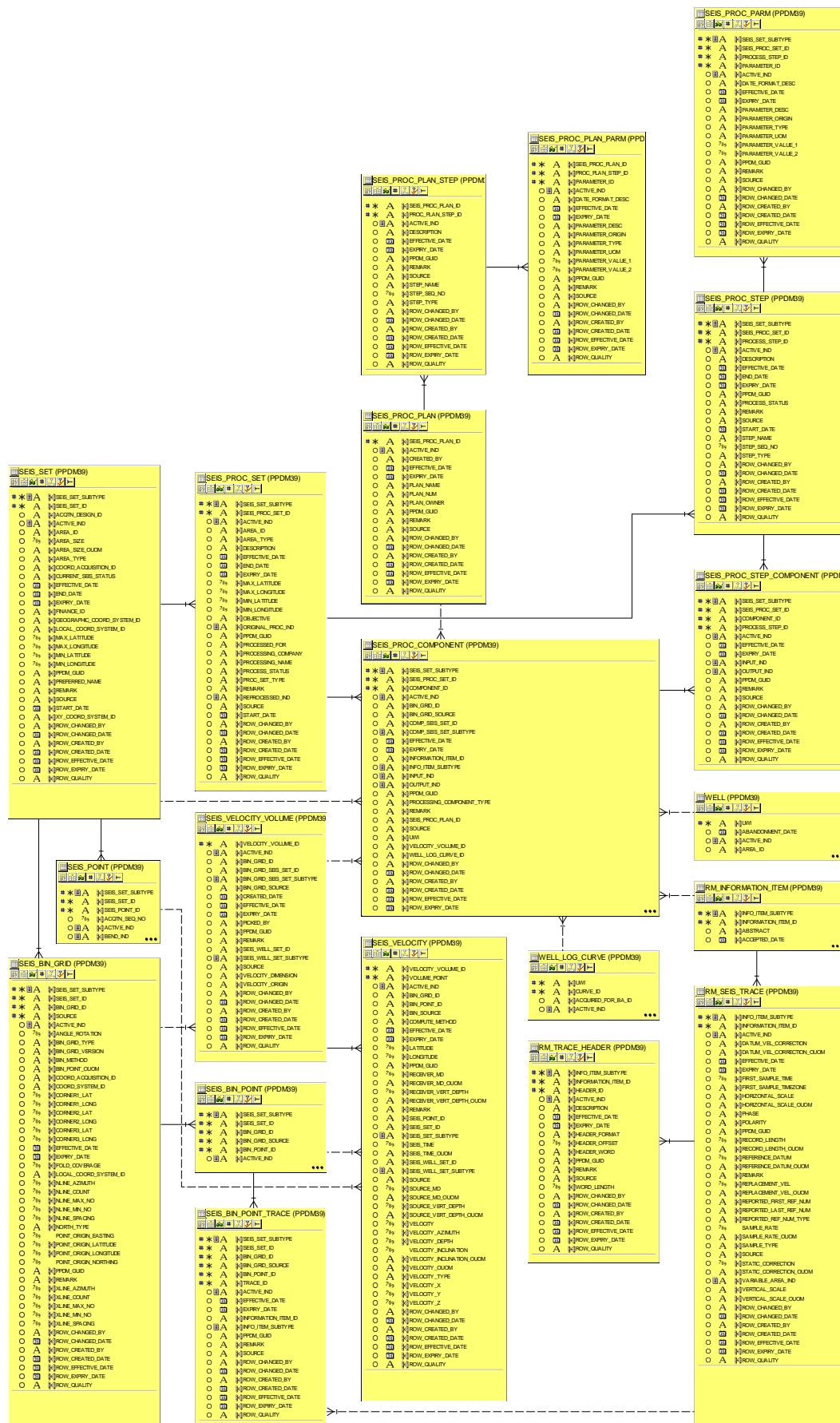
SEISMIC INTERPRETATION



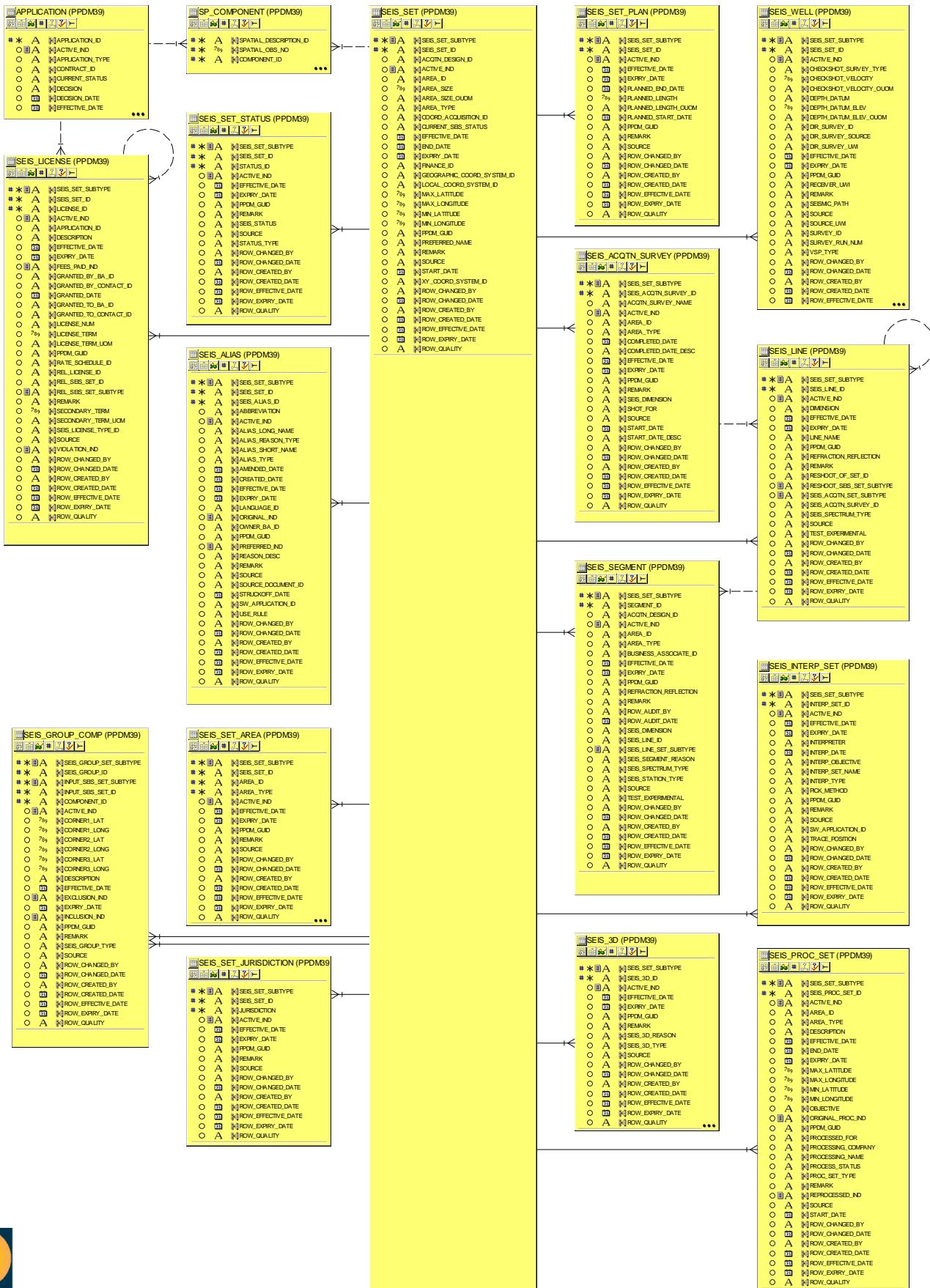
SEISMIC LICENSES



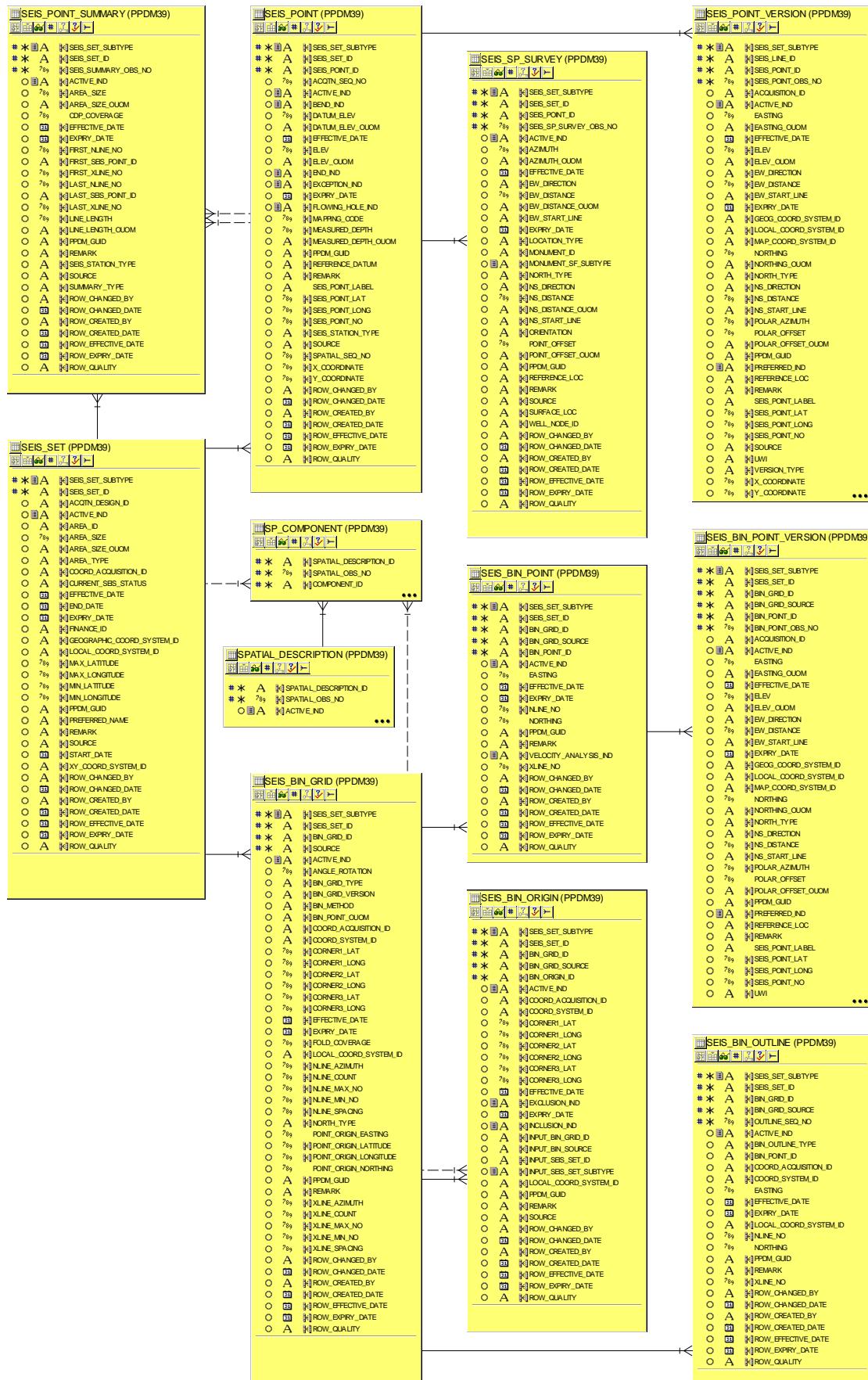
SEISMIC PROCESSING



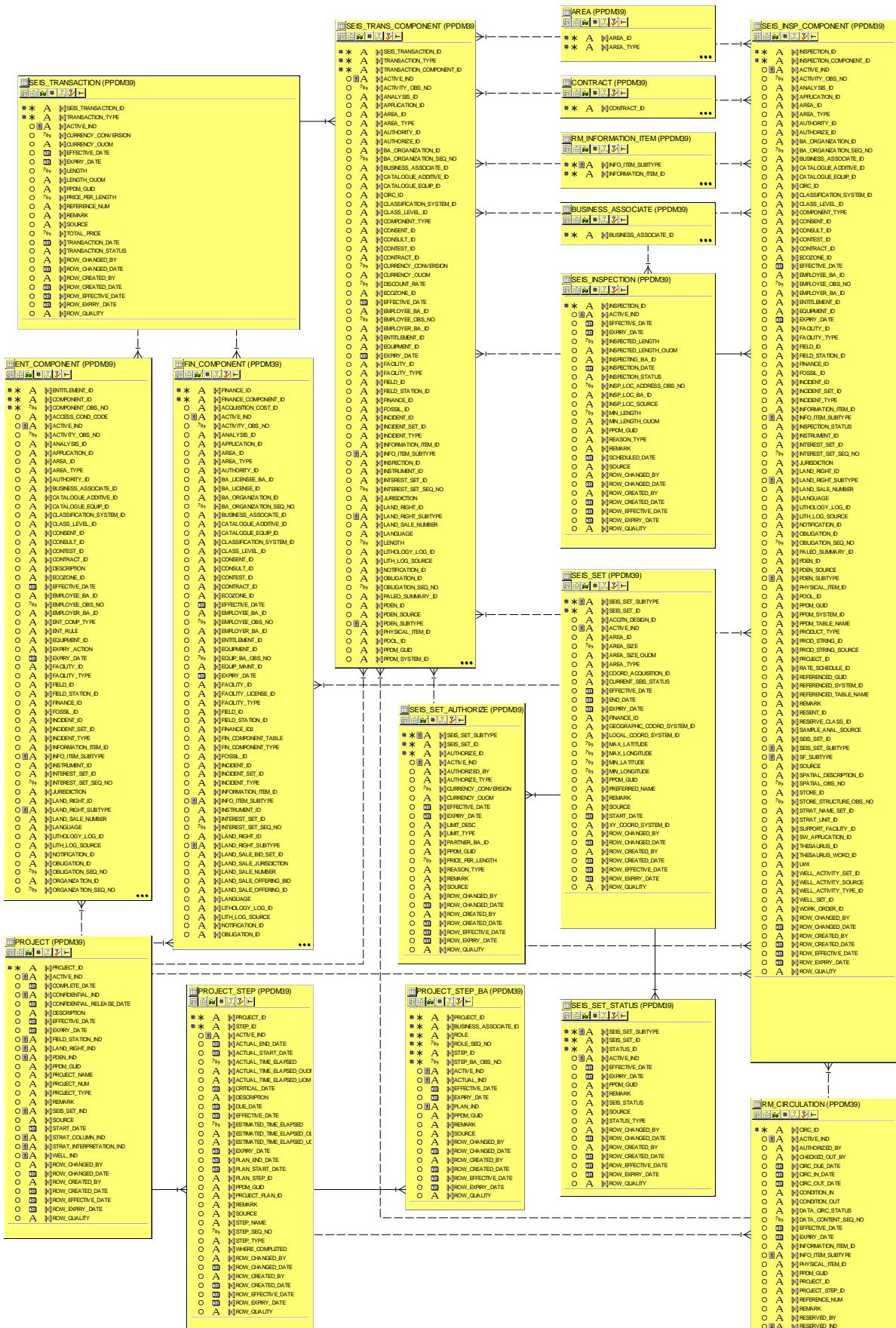
SEISMIC SETS



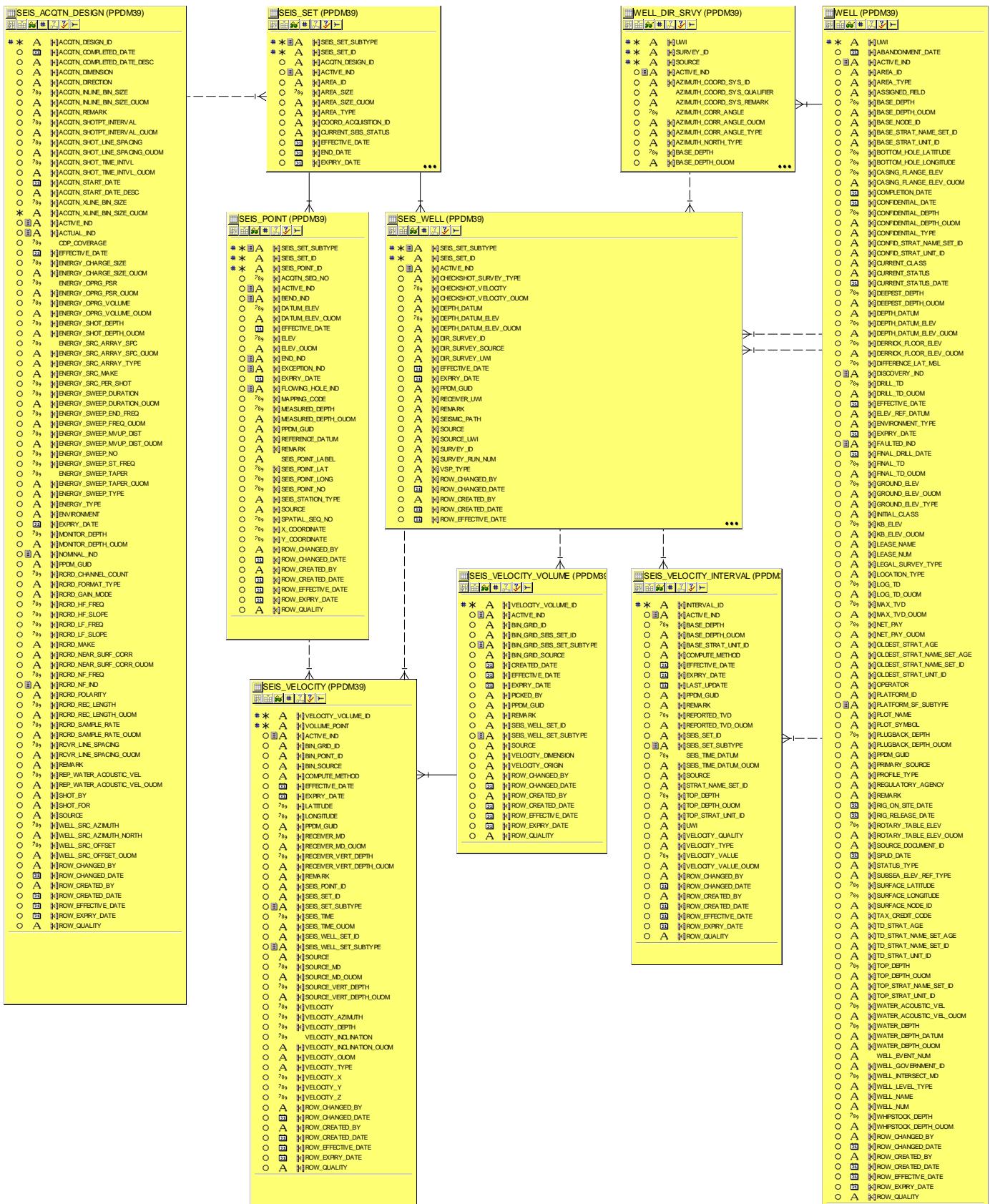
SEISMIC SPATIAL



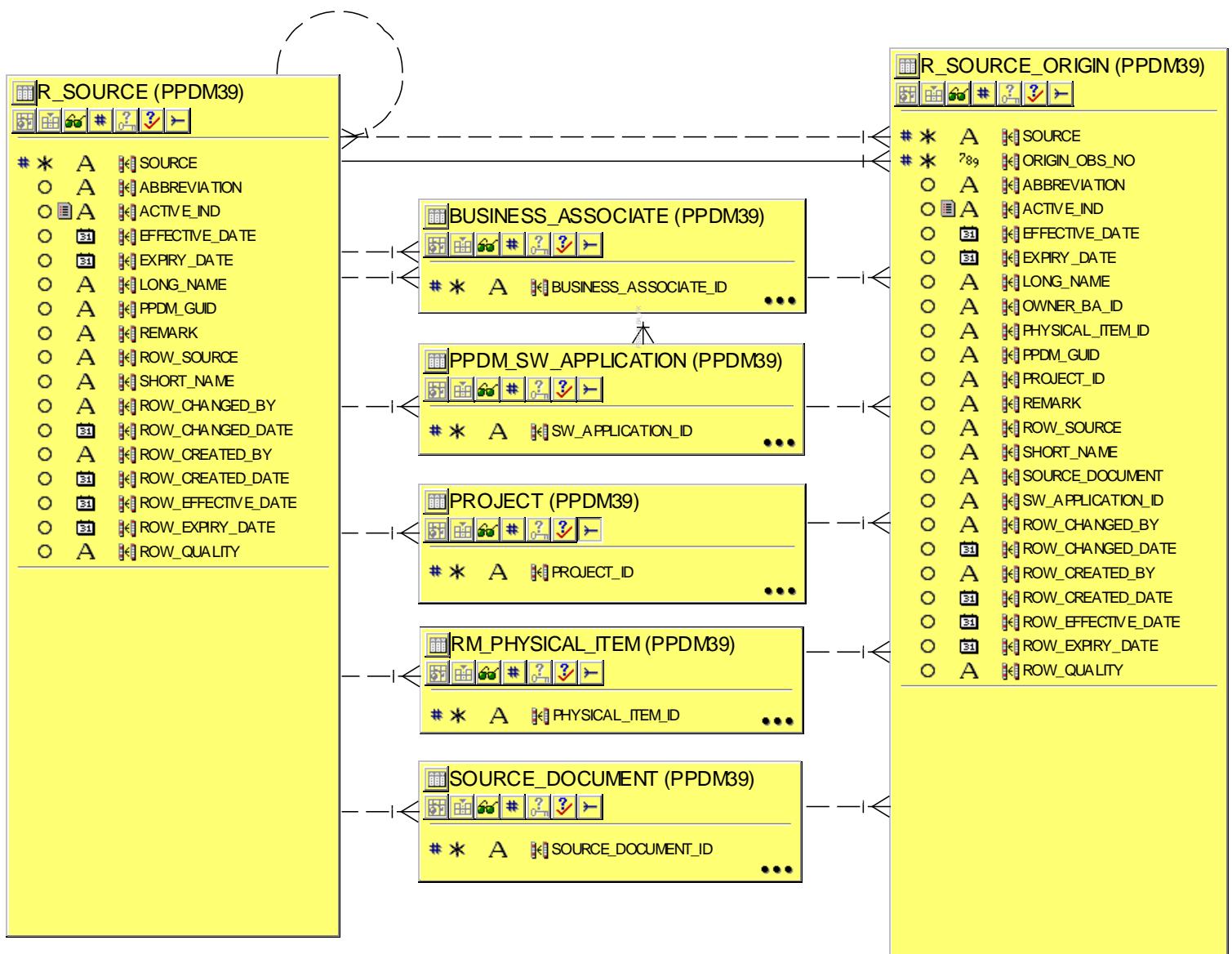
SEISMIC TRANSACTION



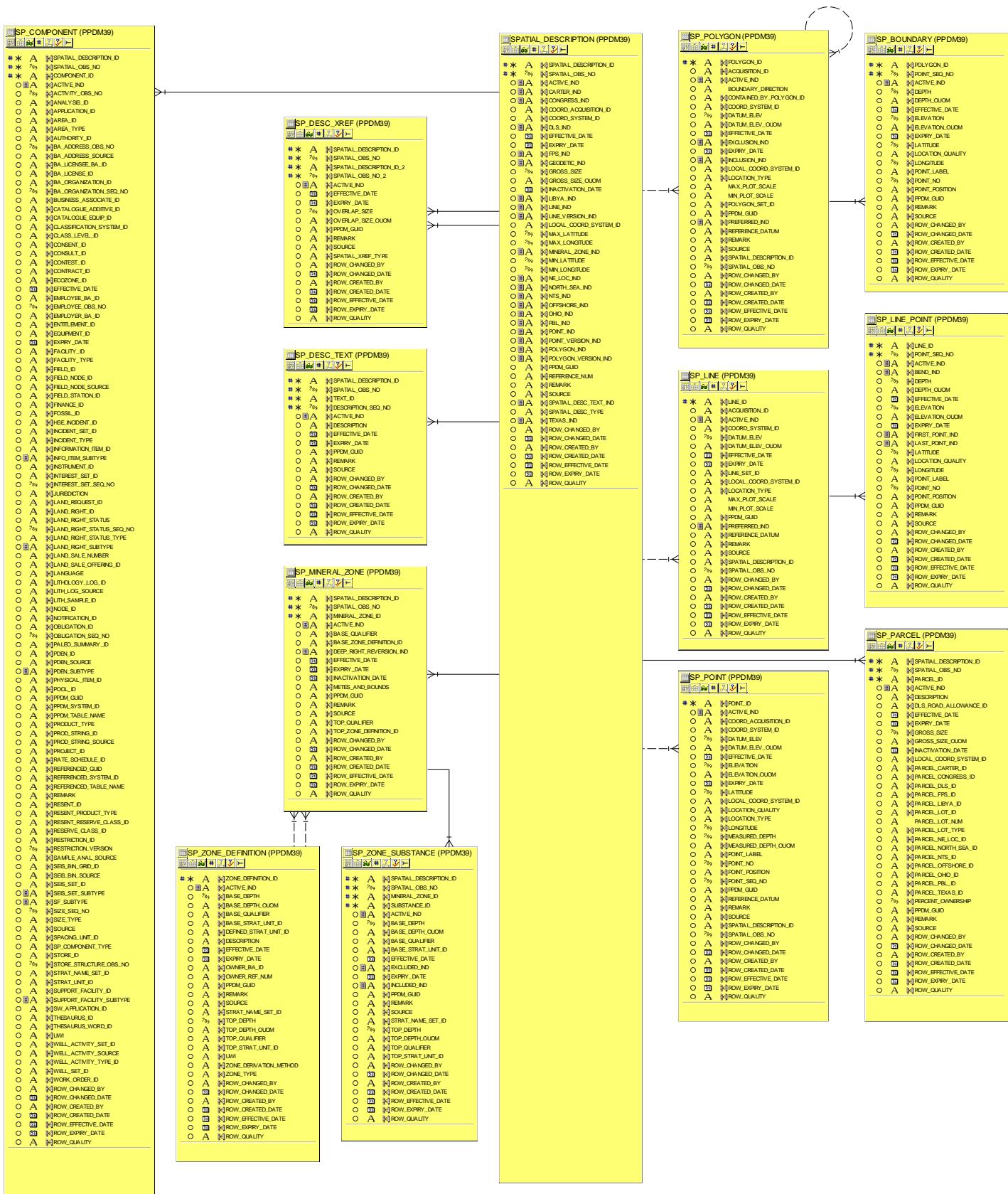
SEISMIC WELL



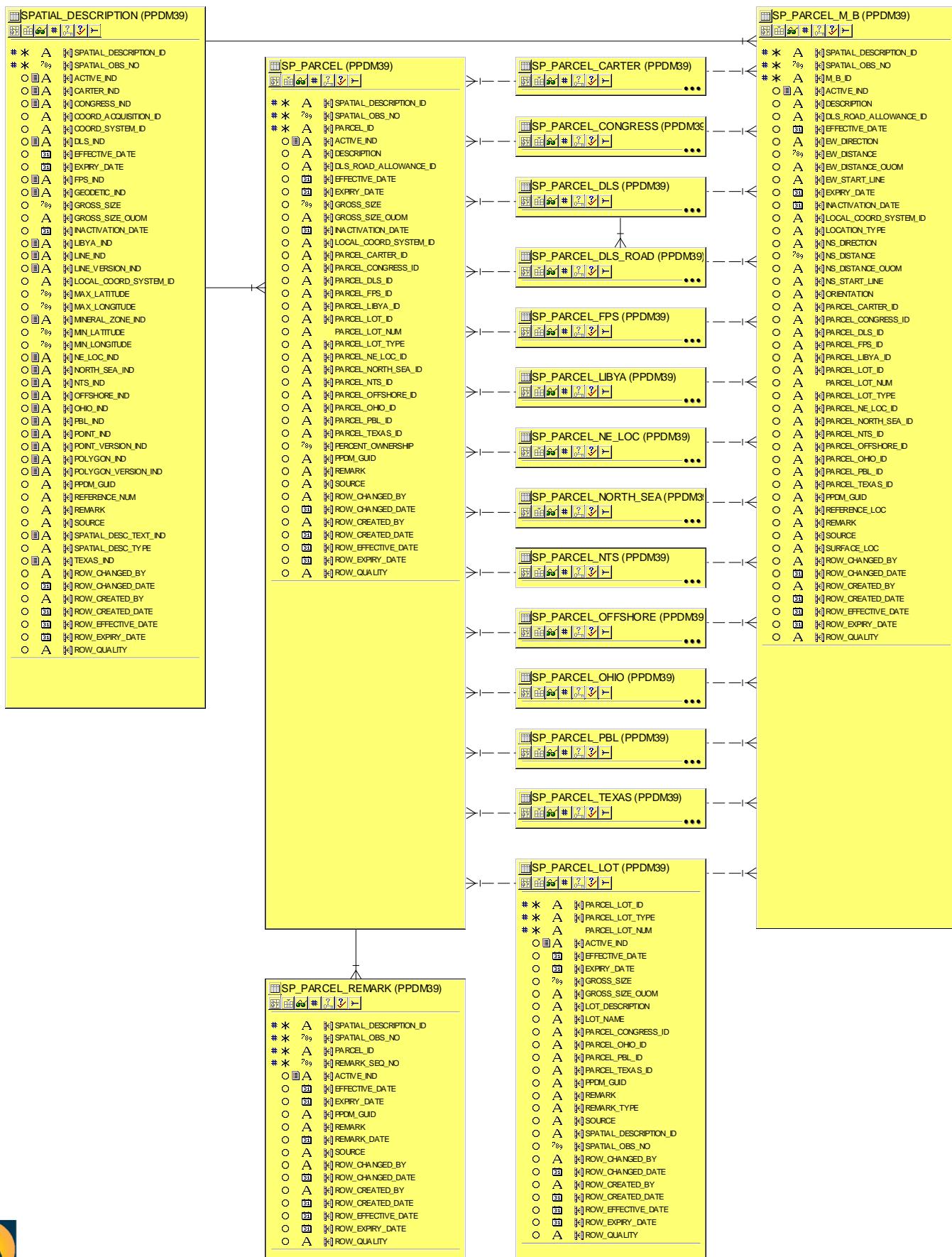
SOURCE



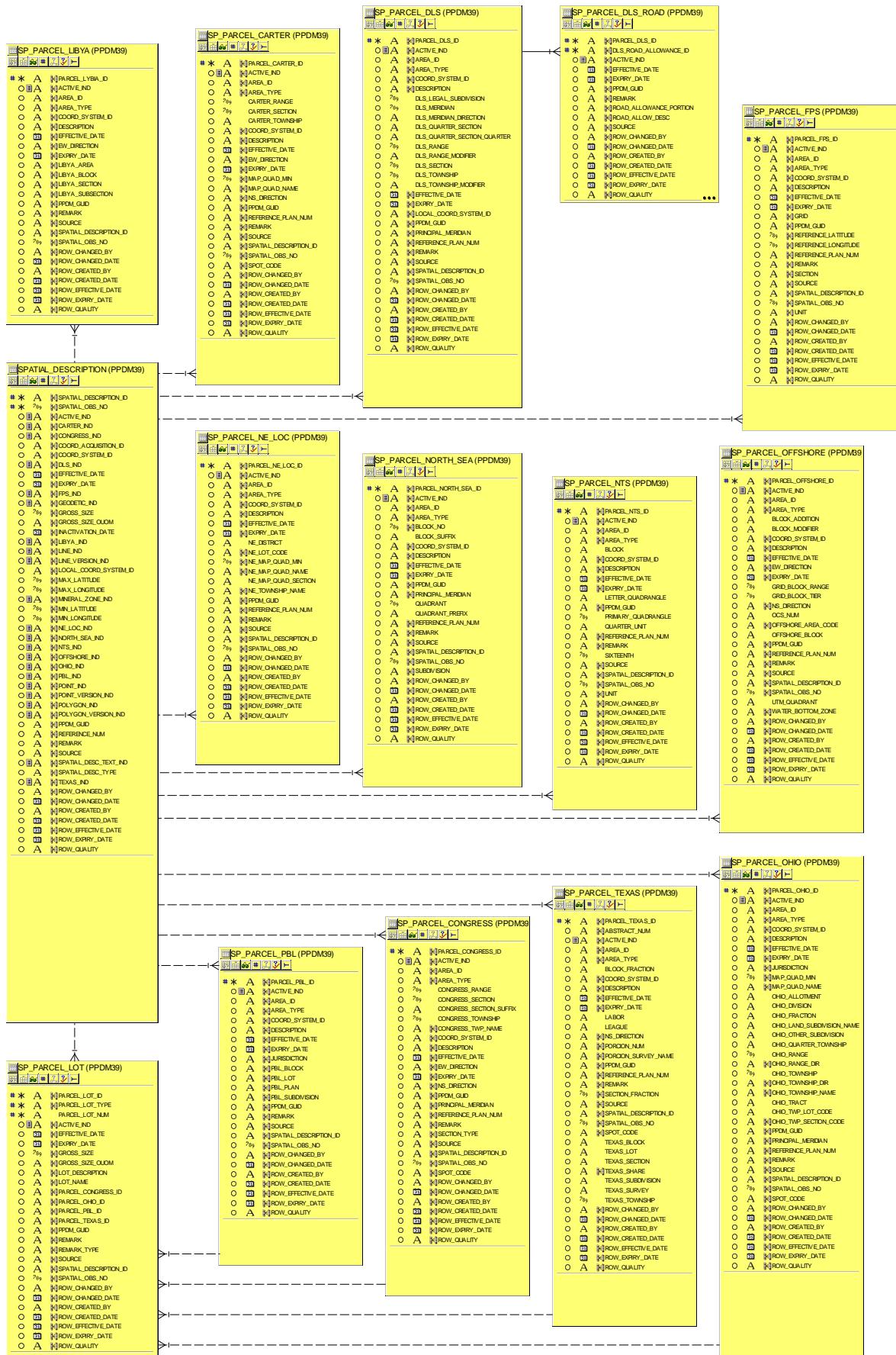
SPATIAL DESCRIPTIONS



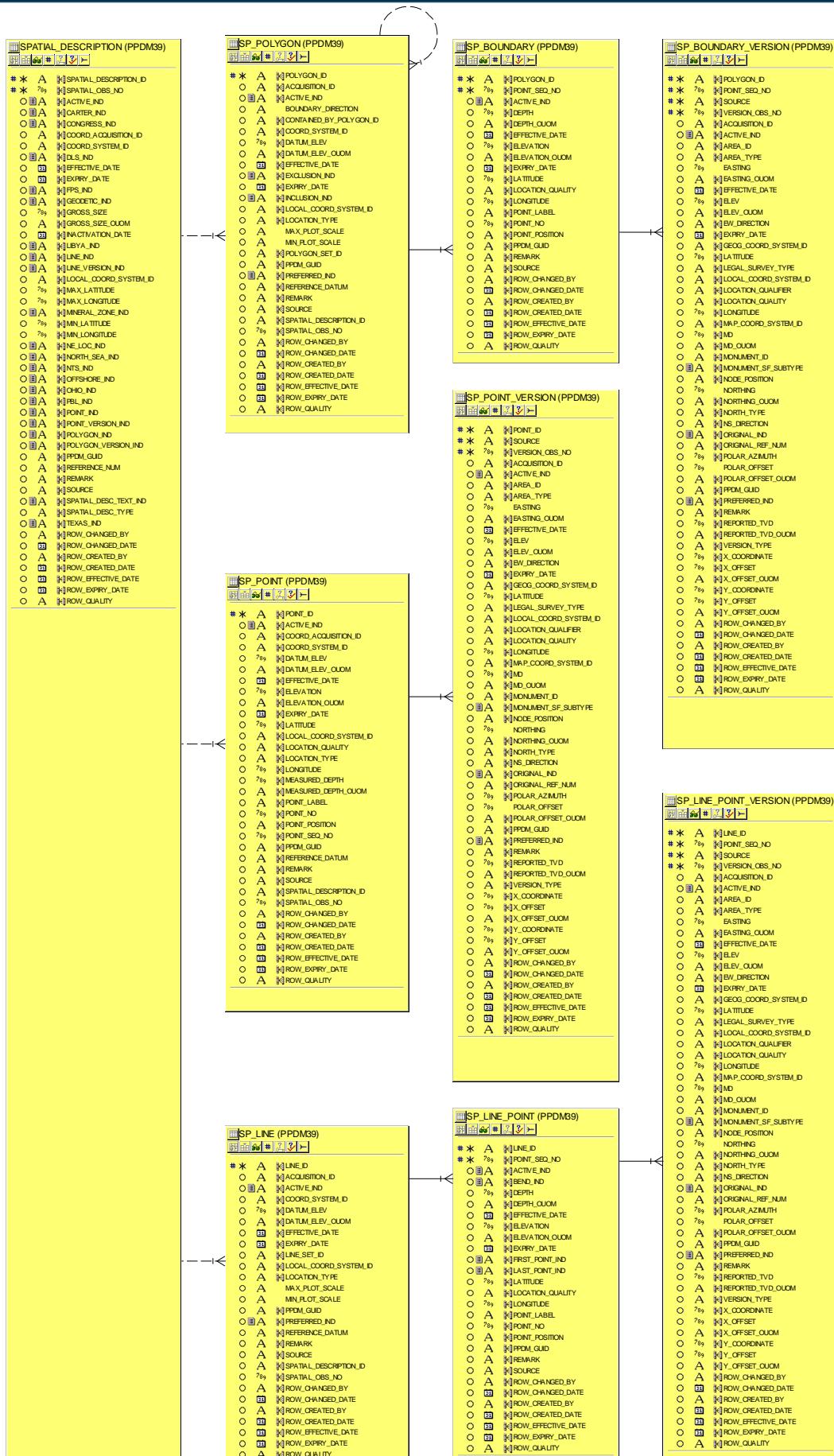
SPATIAL DESCRIPTIONS: LOCAL REFERENCES



SPATIAL DESCRIPTIONS: SURVEY SYSTEMS



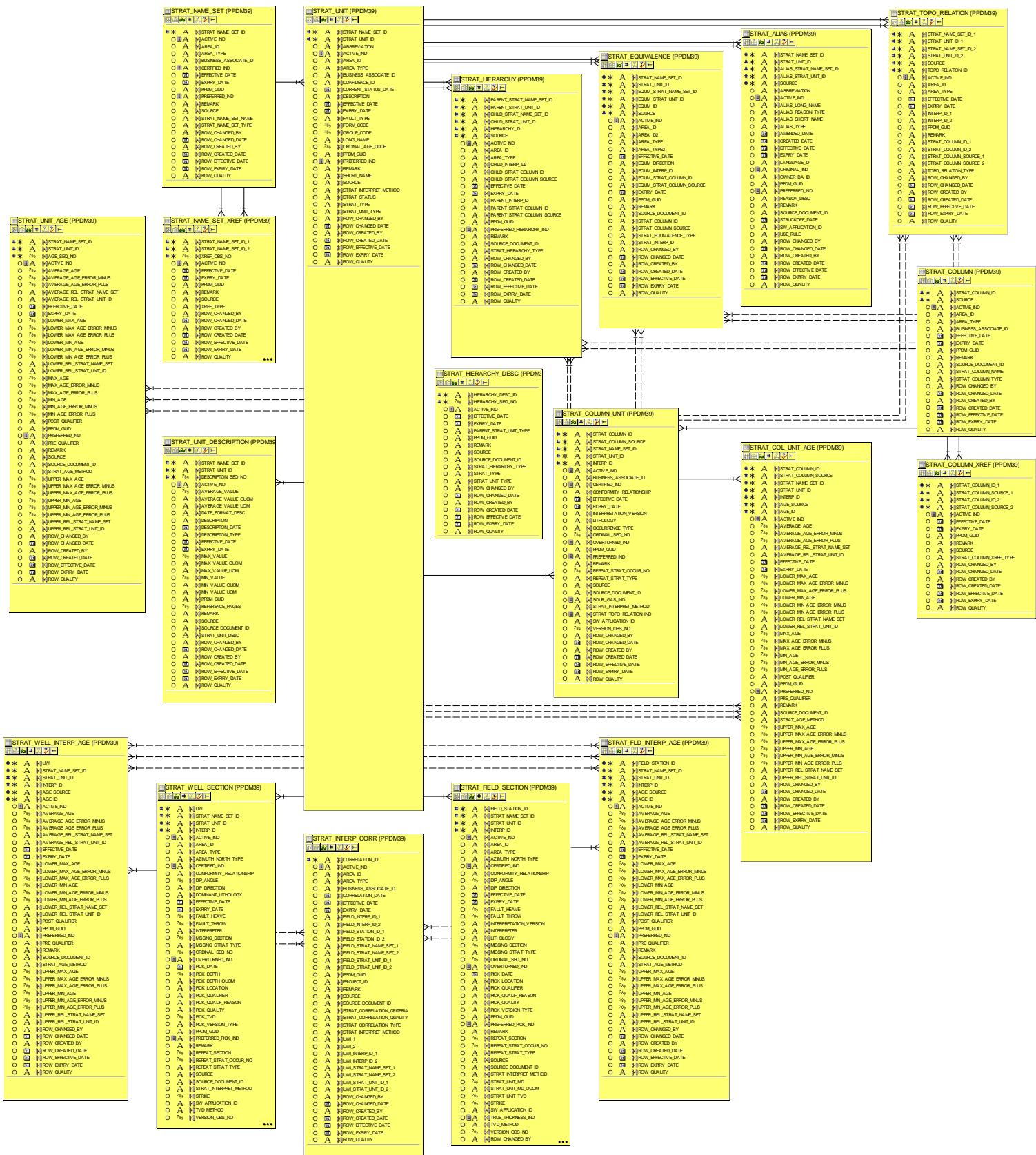
SPATIAL DESCRIPTION VERSIONS



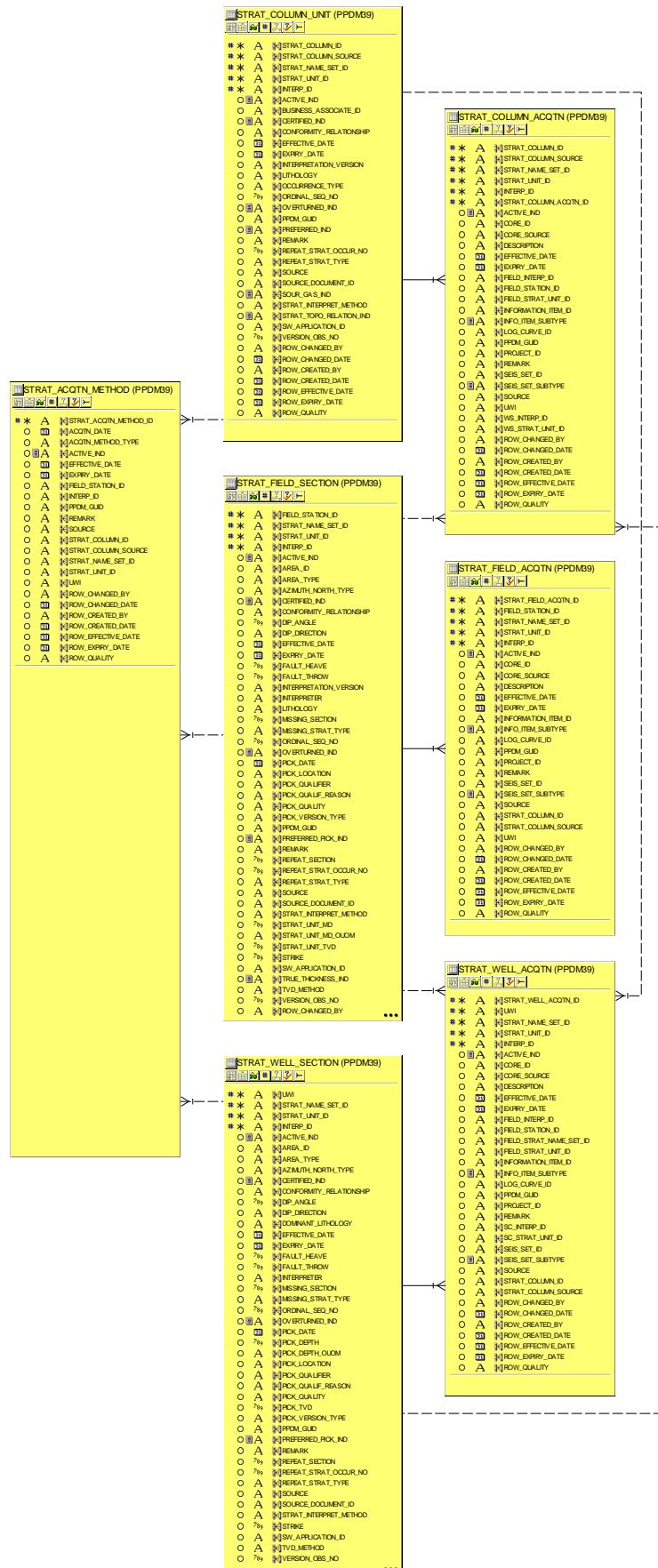
SPATIAL GEODETIC



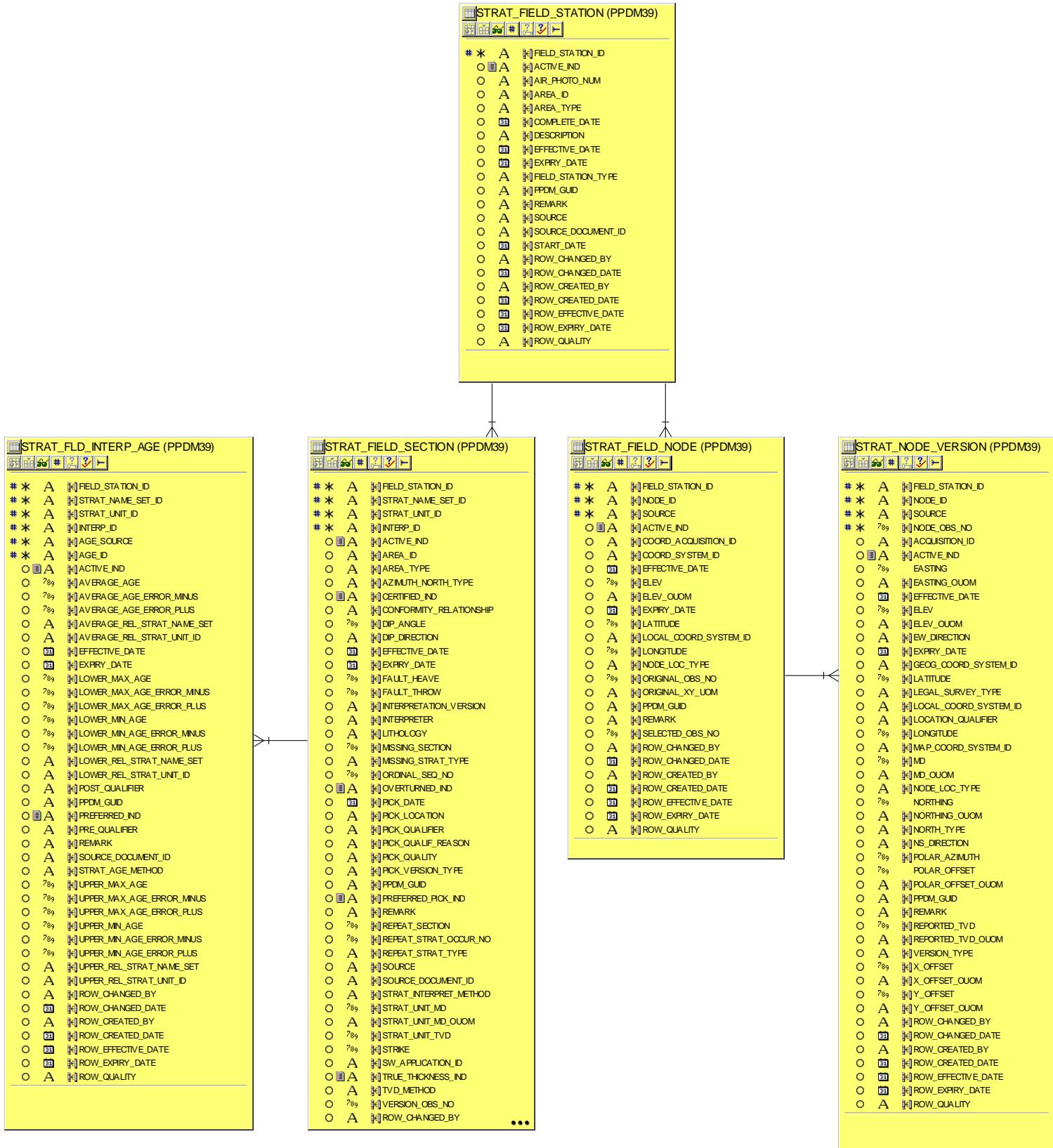
STRATIGRAPHY



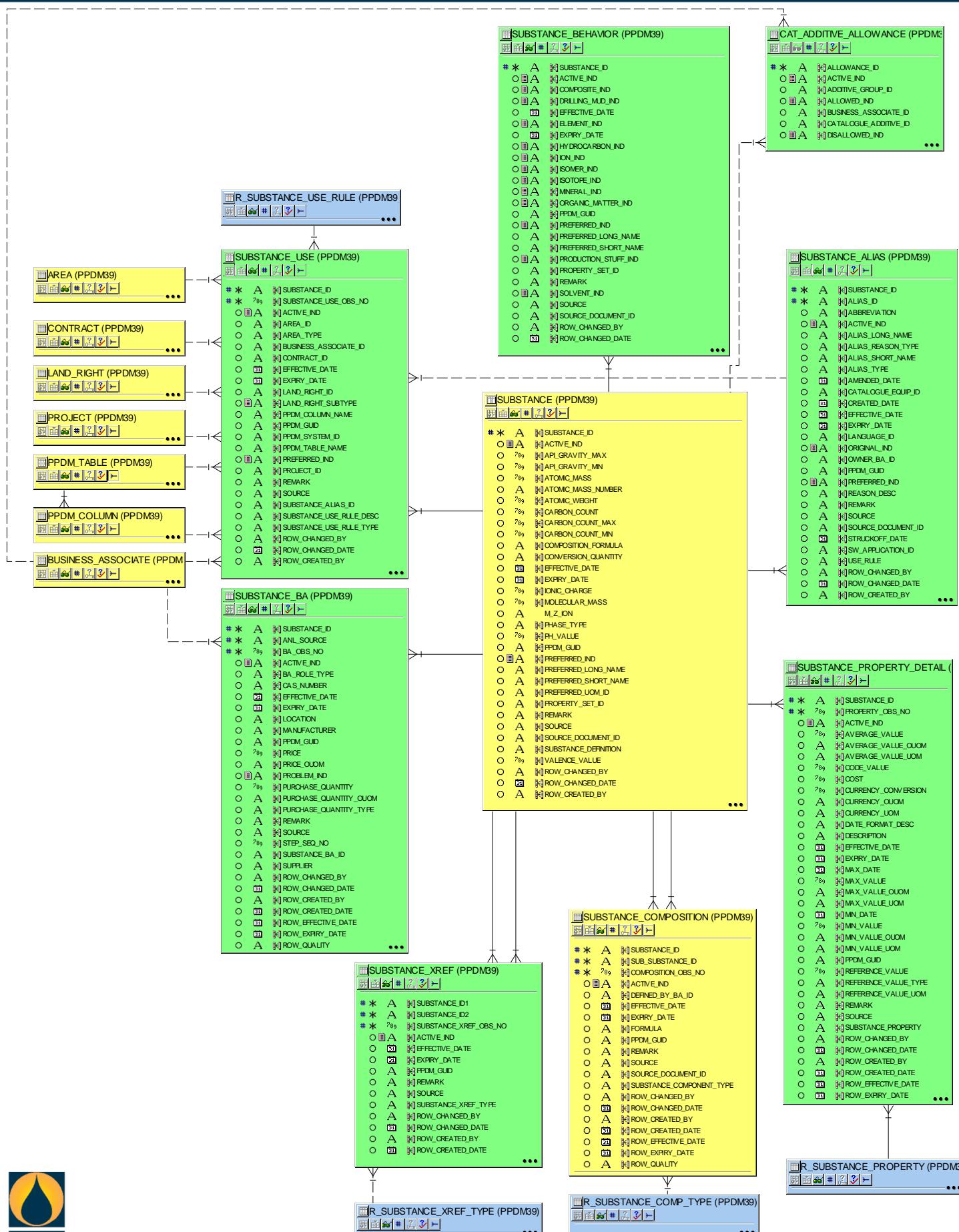
STRATIGRAPHY ACQUISITION



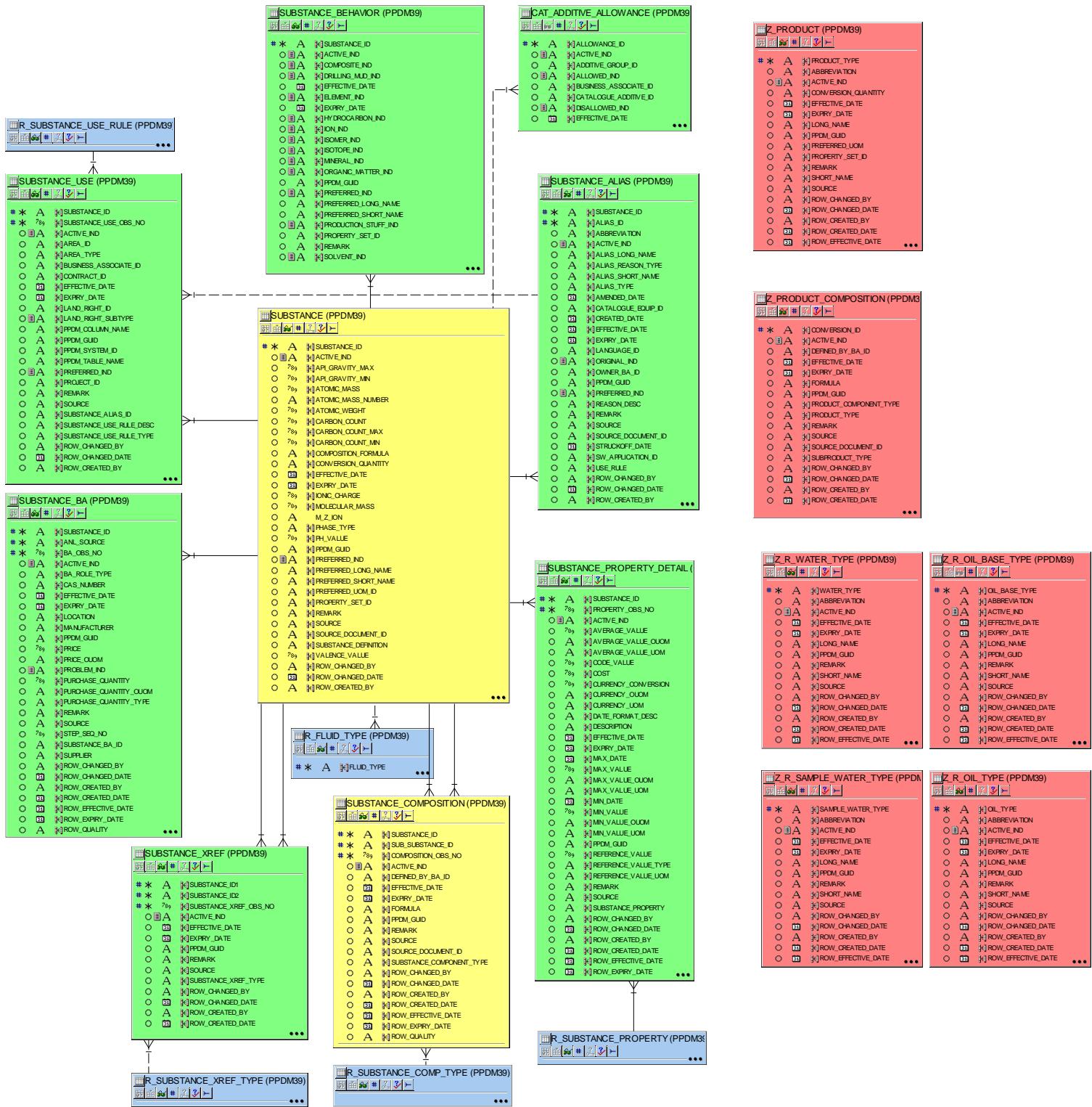
STRATIGRAPHY FIELD STATION



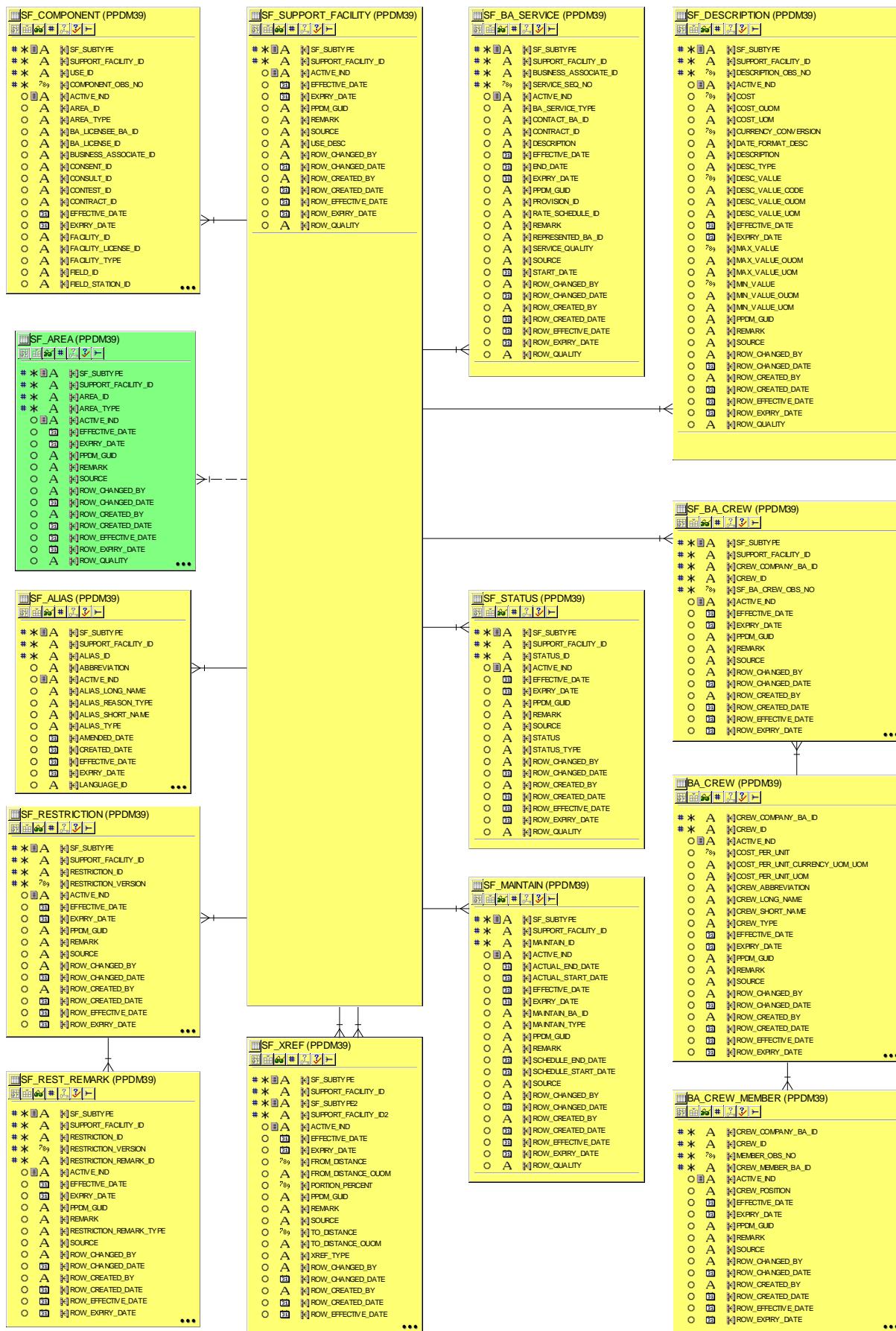
SUBSTANCES AND PRODUCTS



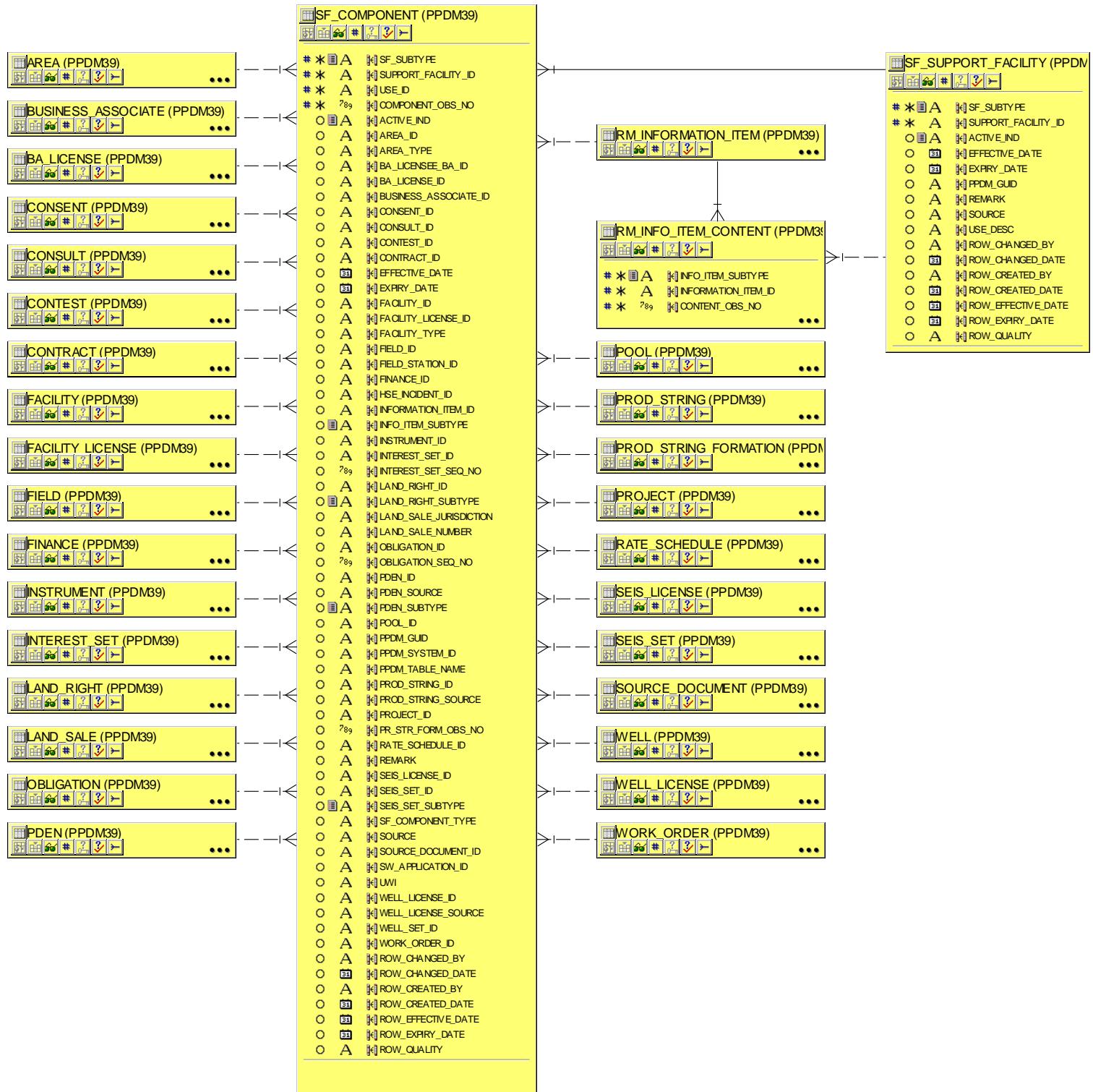
SUBSTANCES AND PRODUCTS - DEPRECIATION



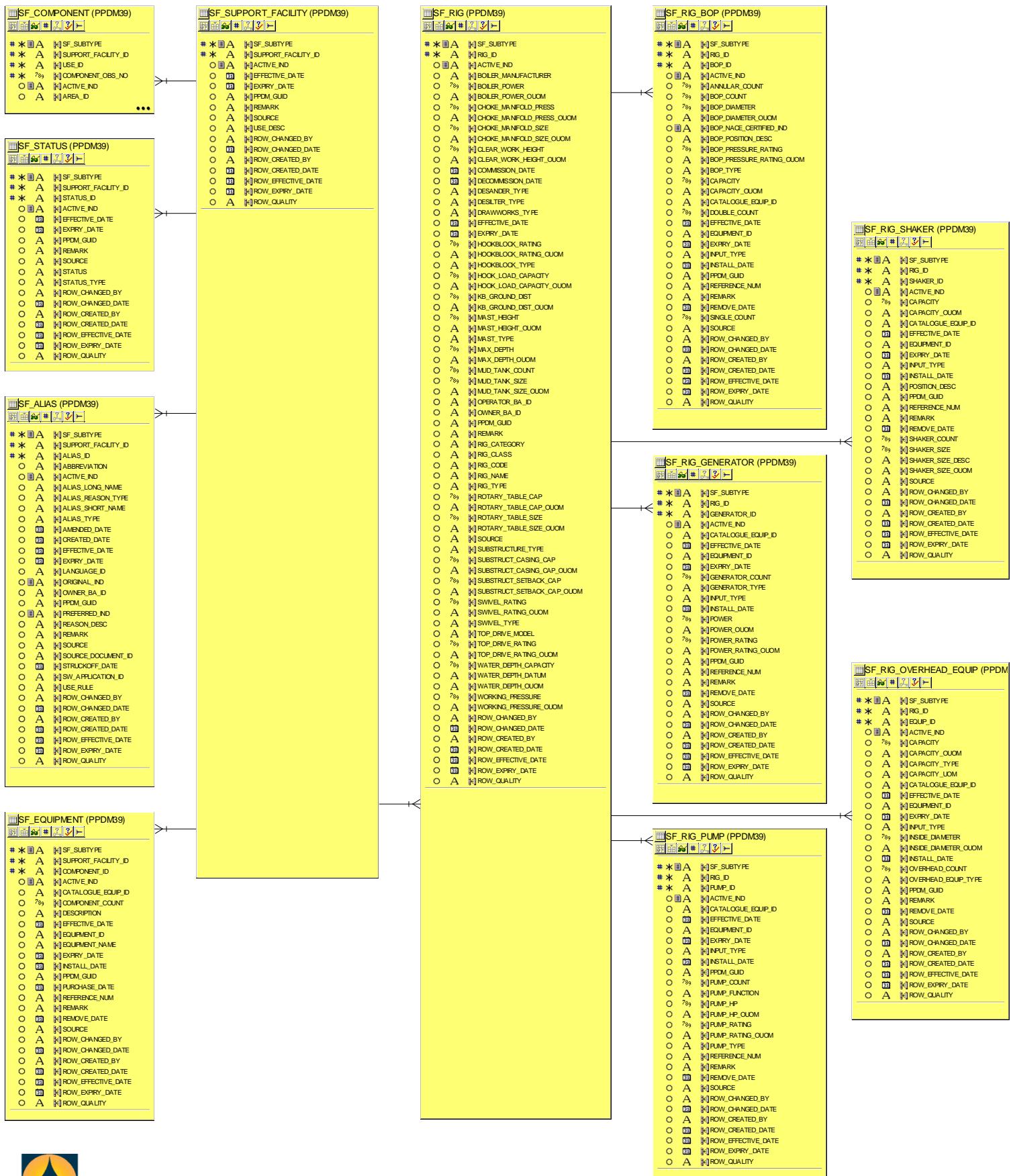
SUPPORT FACILITY



SUPPORT FACILITY RELATIONSHIPS



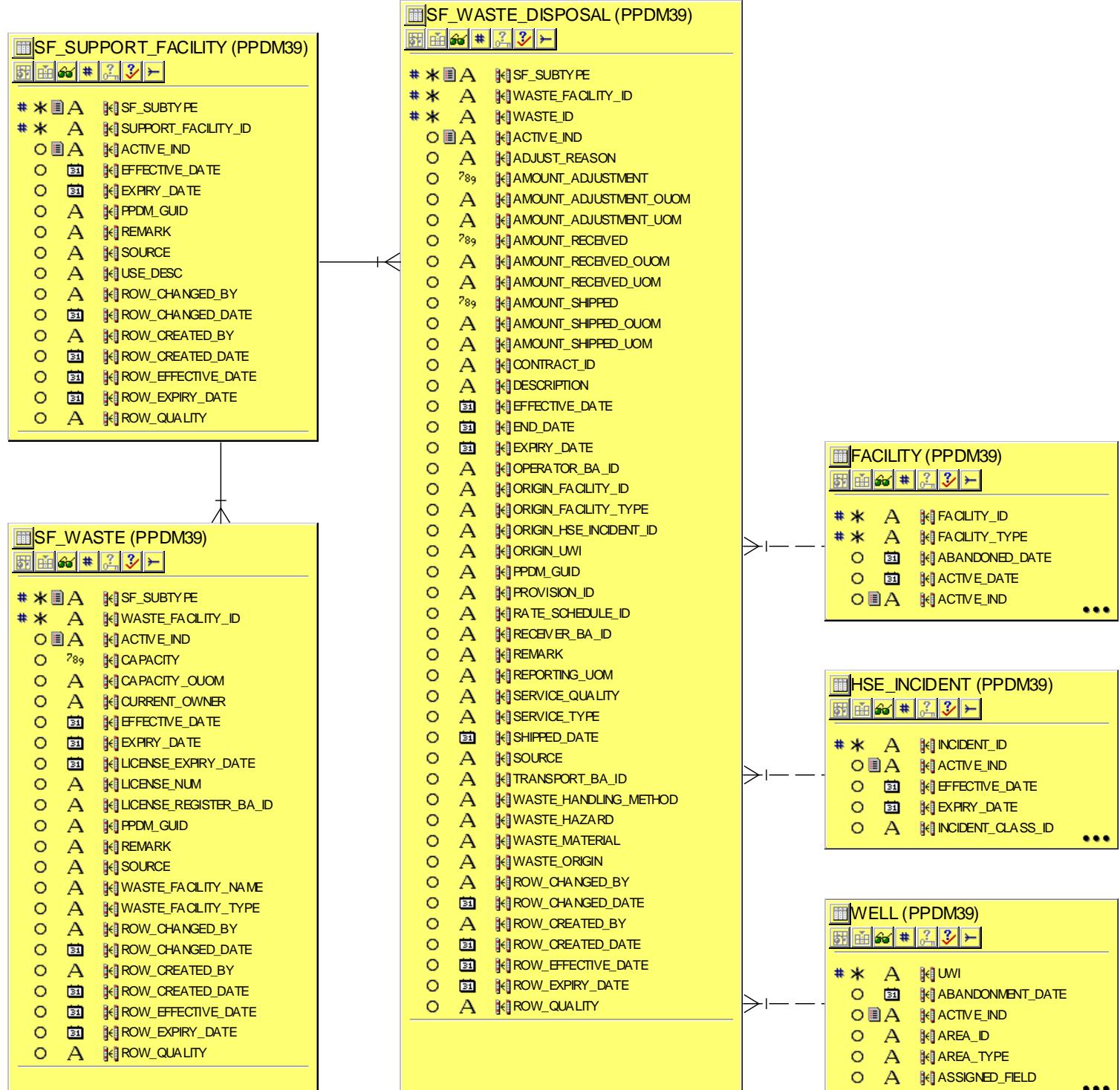
SUPPORT FACILITY RIG



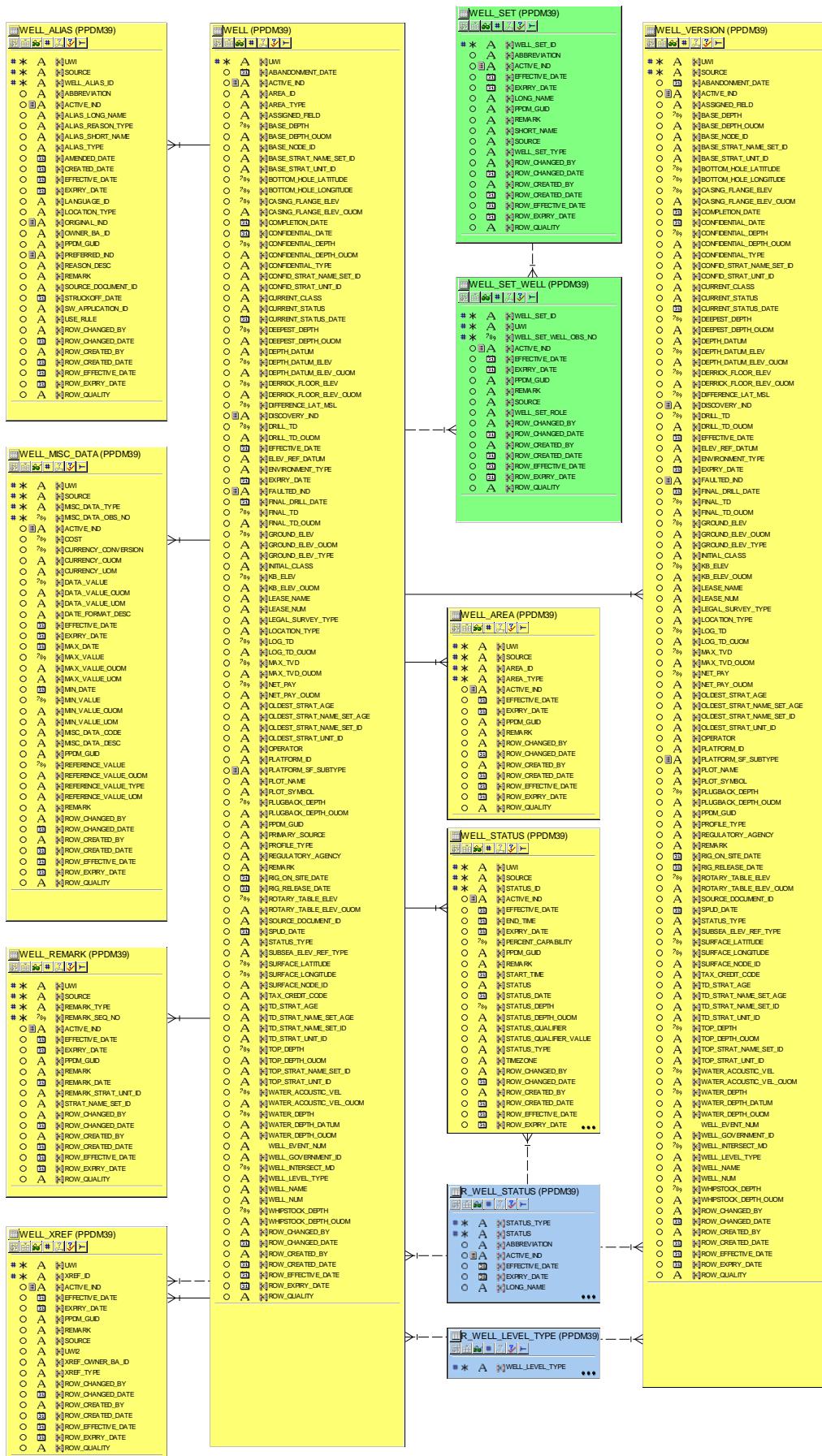
SUPPORT FACILITY SUBTYPES



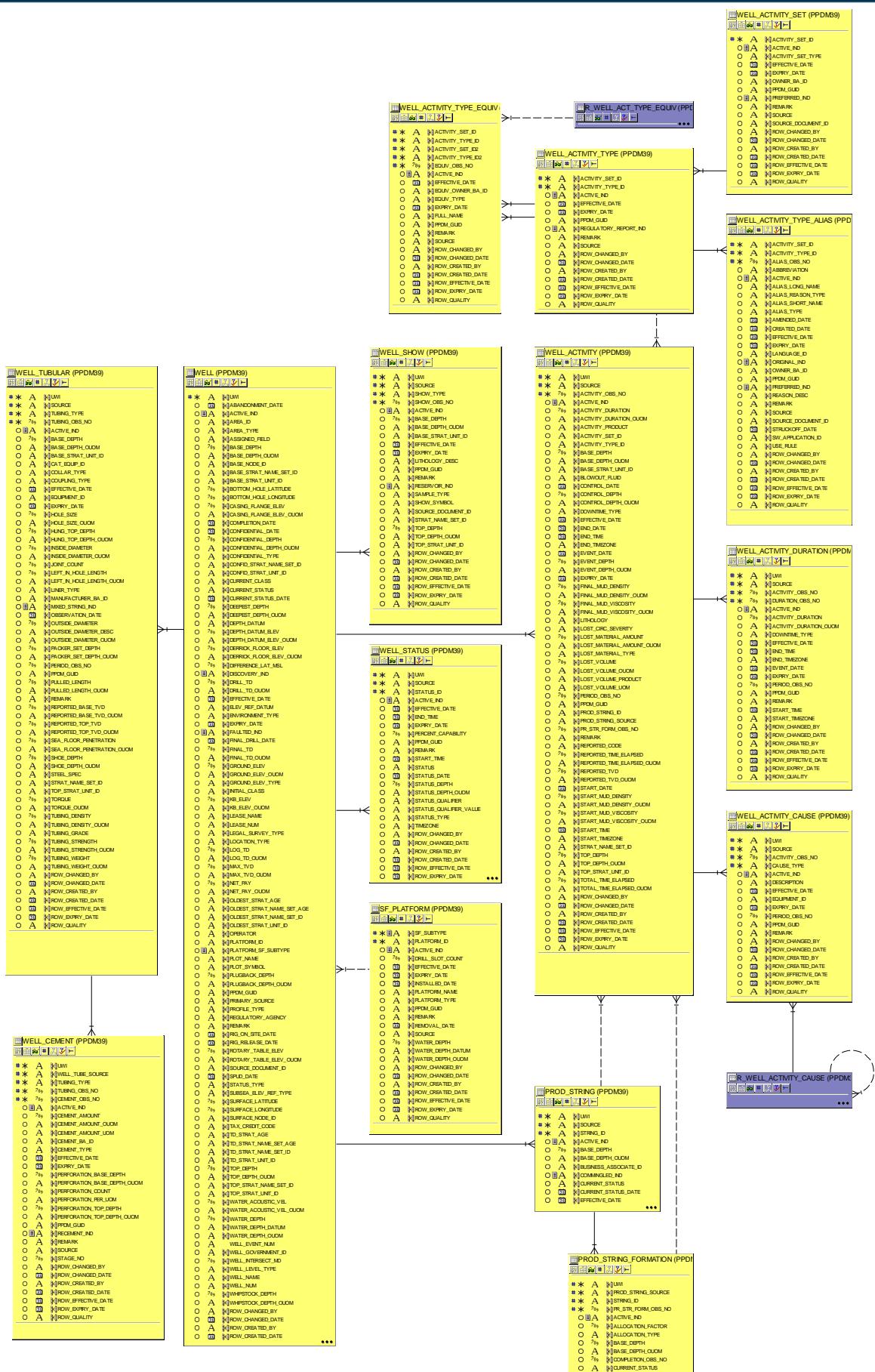
SUPPORT FACILITY WASTE DISPOSAL



WELL



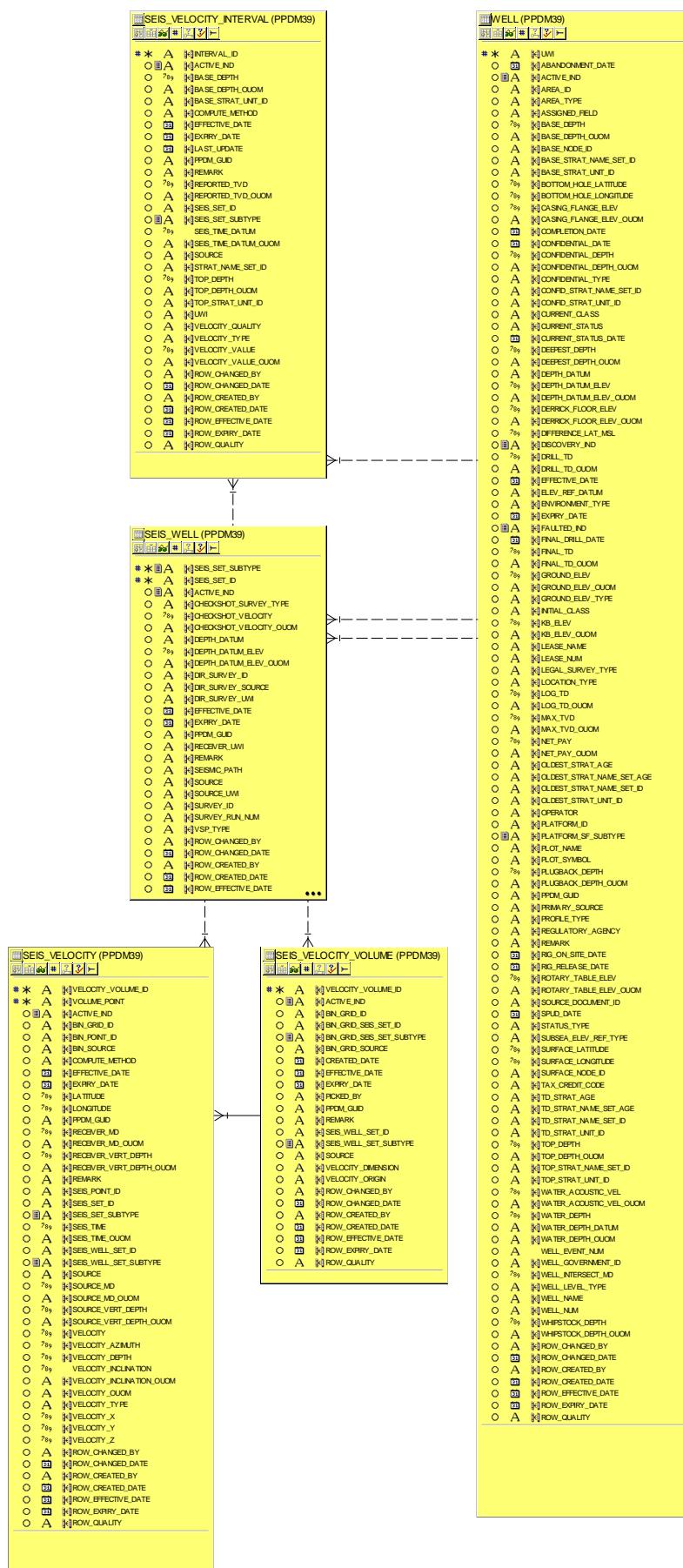
WELL ACTIVITY



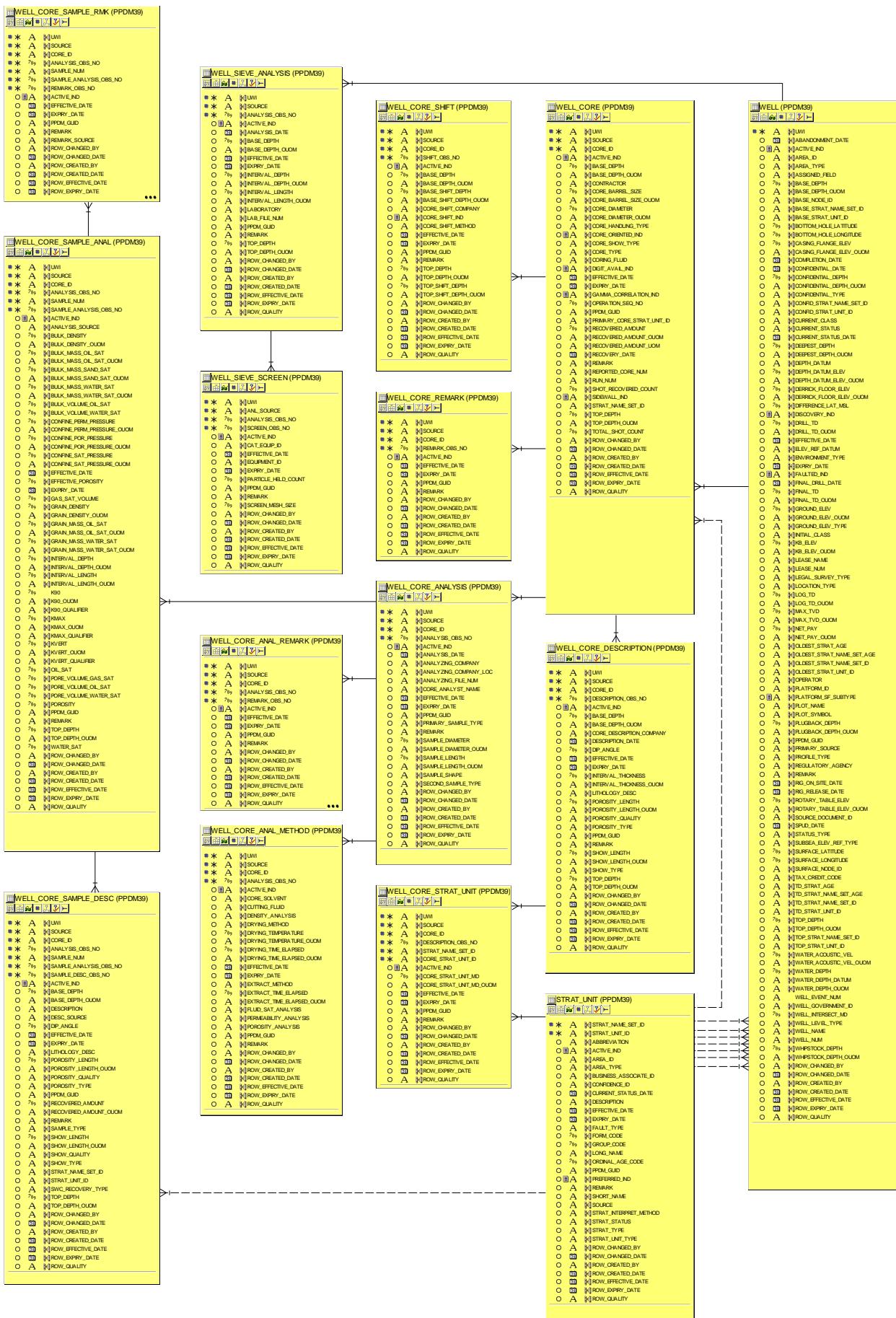
WELL AGREEMENT



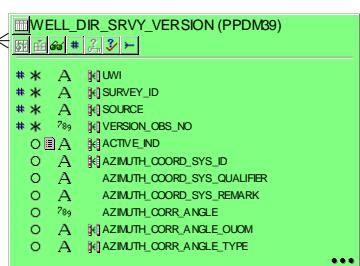
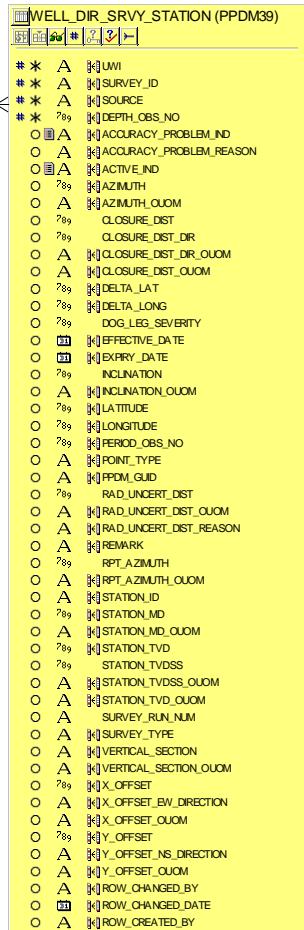
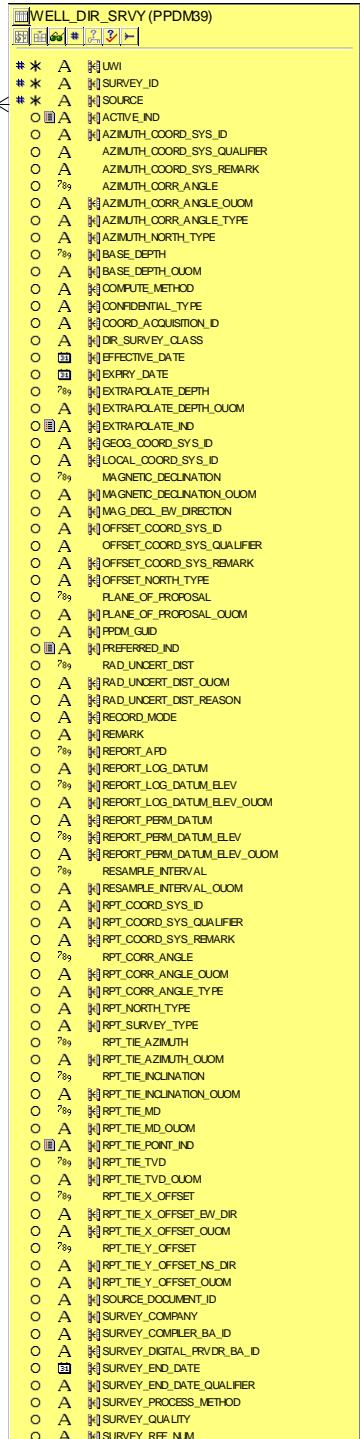
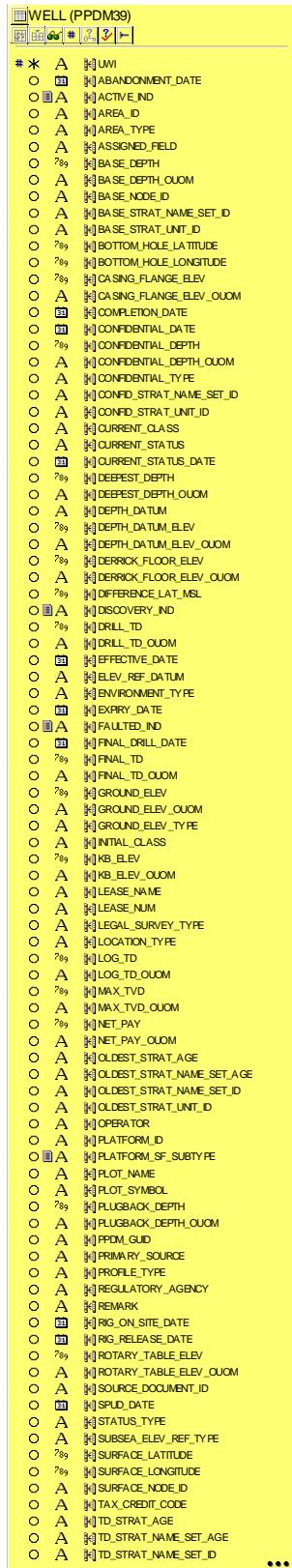
WELL CHECKSHOT AND VELOCITY SURVEYS



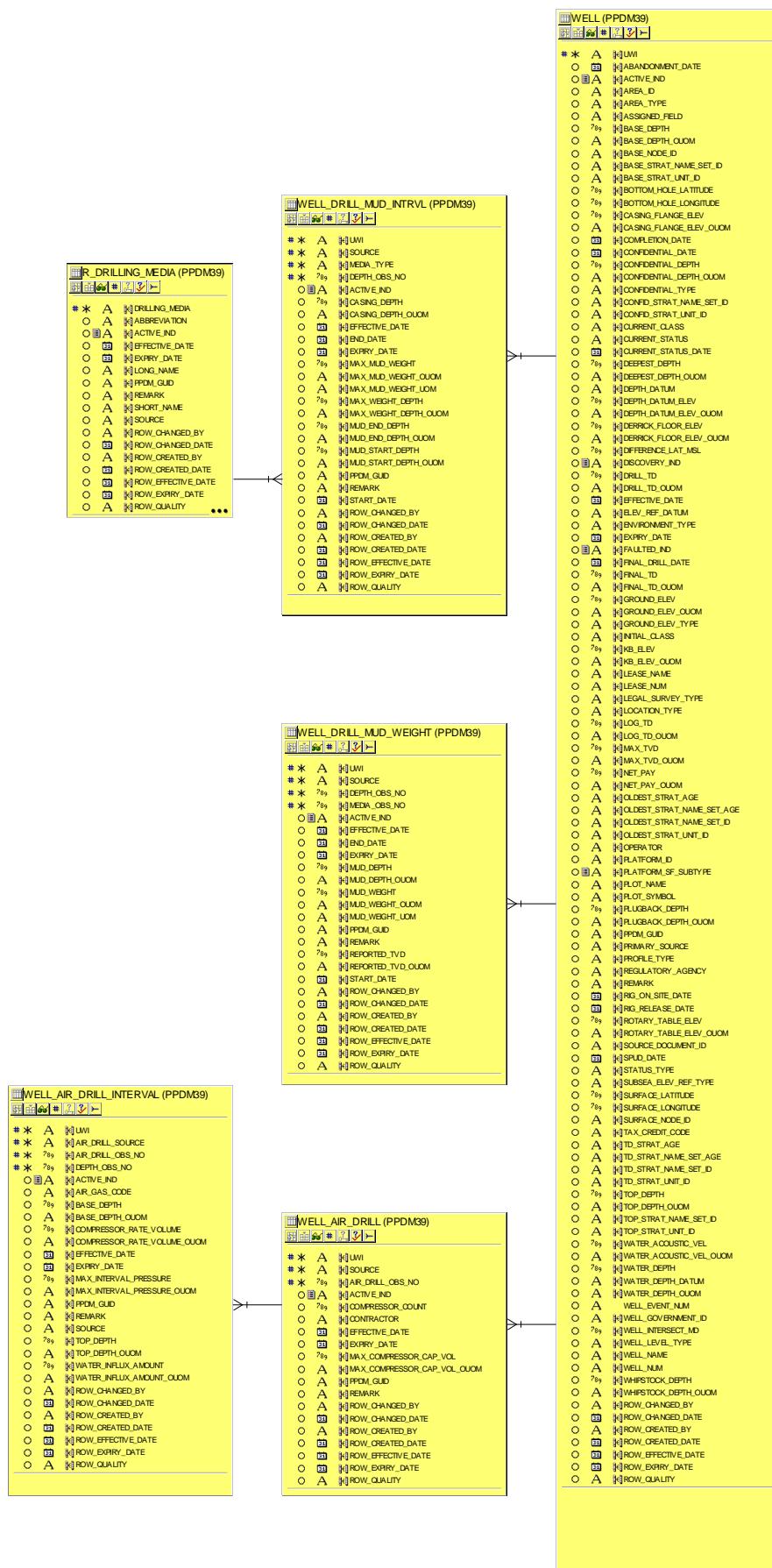
WELL CORE ANALYSIS



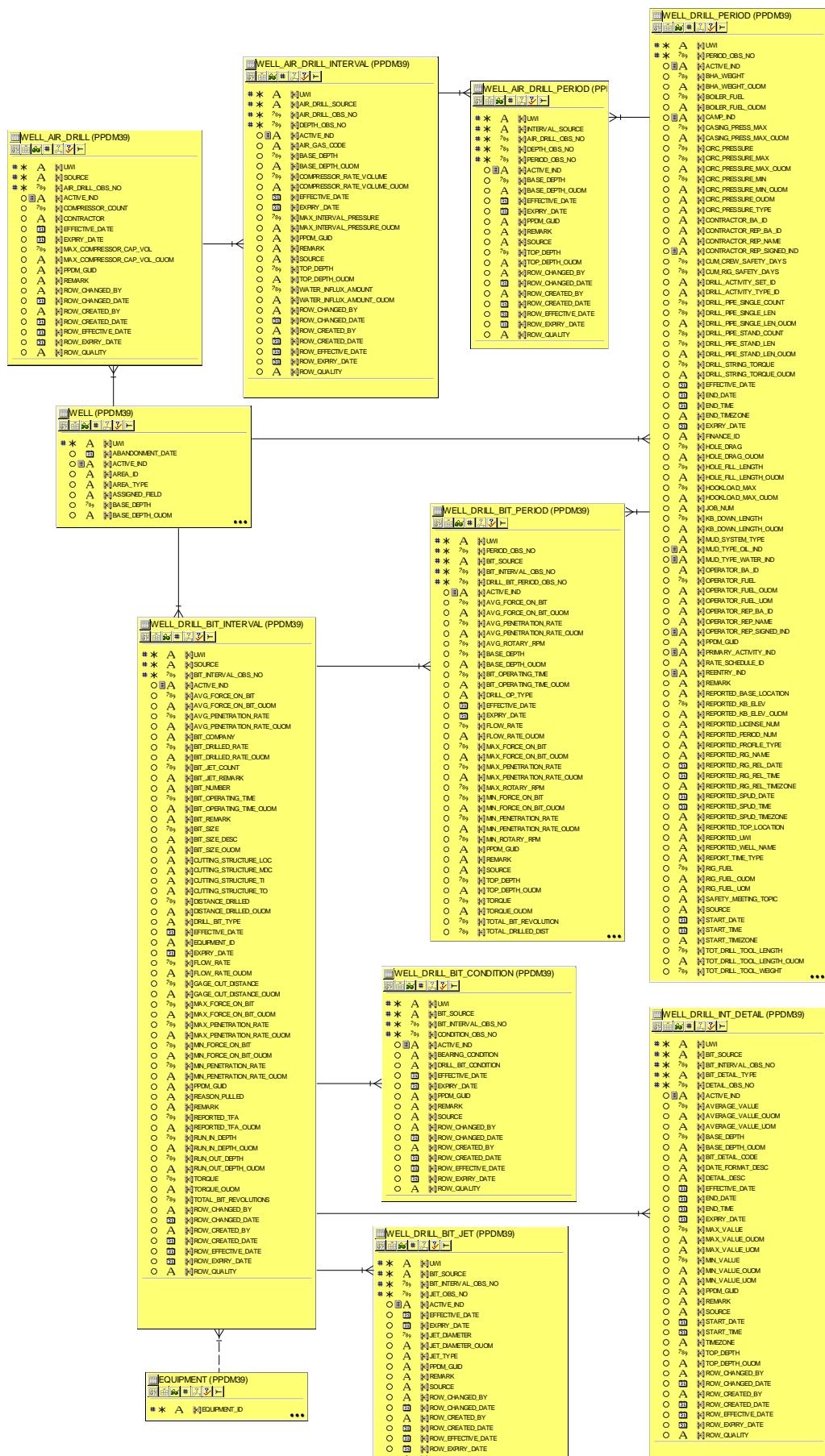
WELL DIRECTIONAL SURVEY



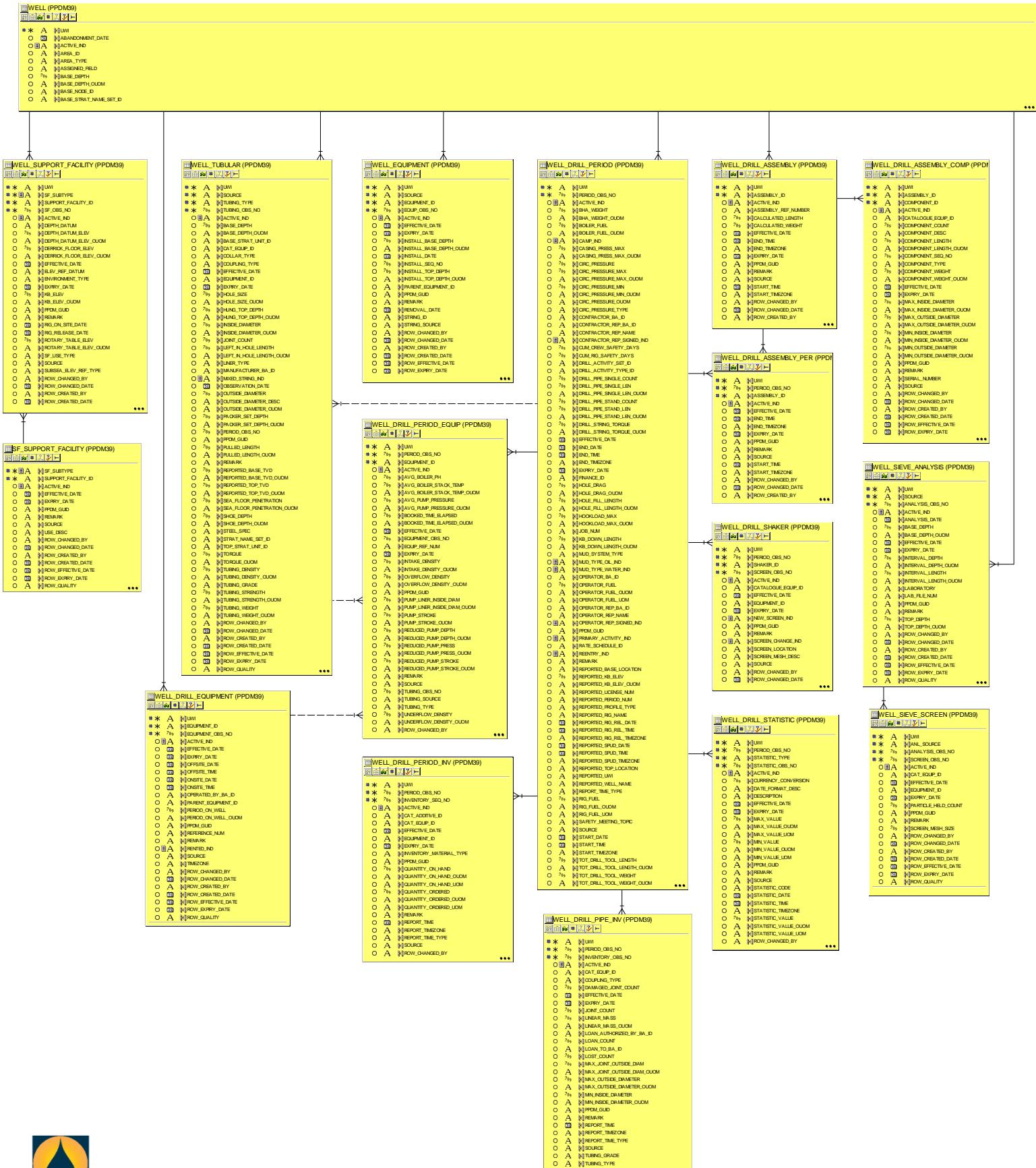
WELL DRILL ACTIVITY



WELL DRILL BITS



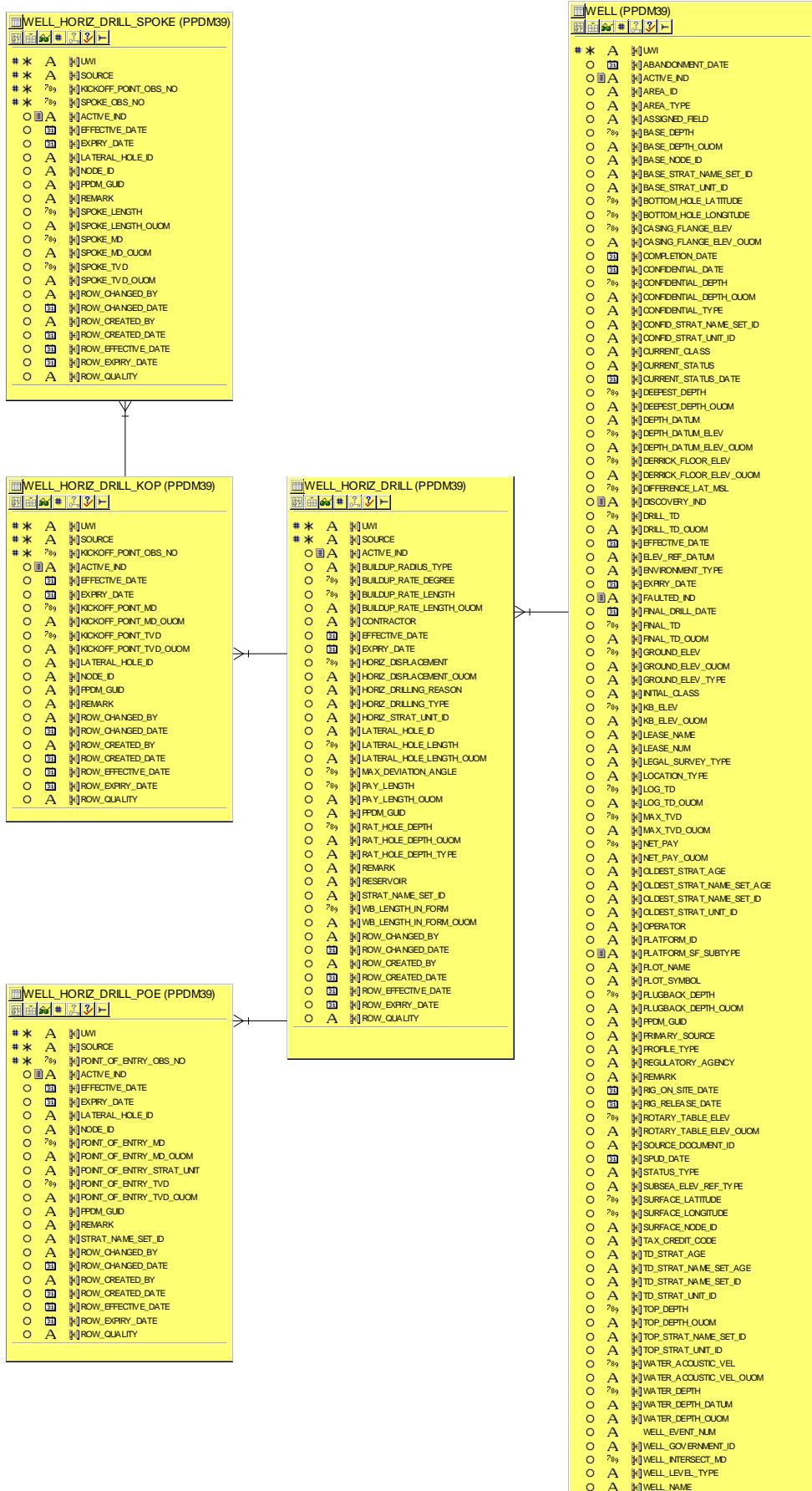
WELL DRILL EQUIPMENT



WELL DRILL FLUIDS AND ADDITIVES



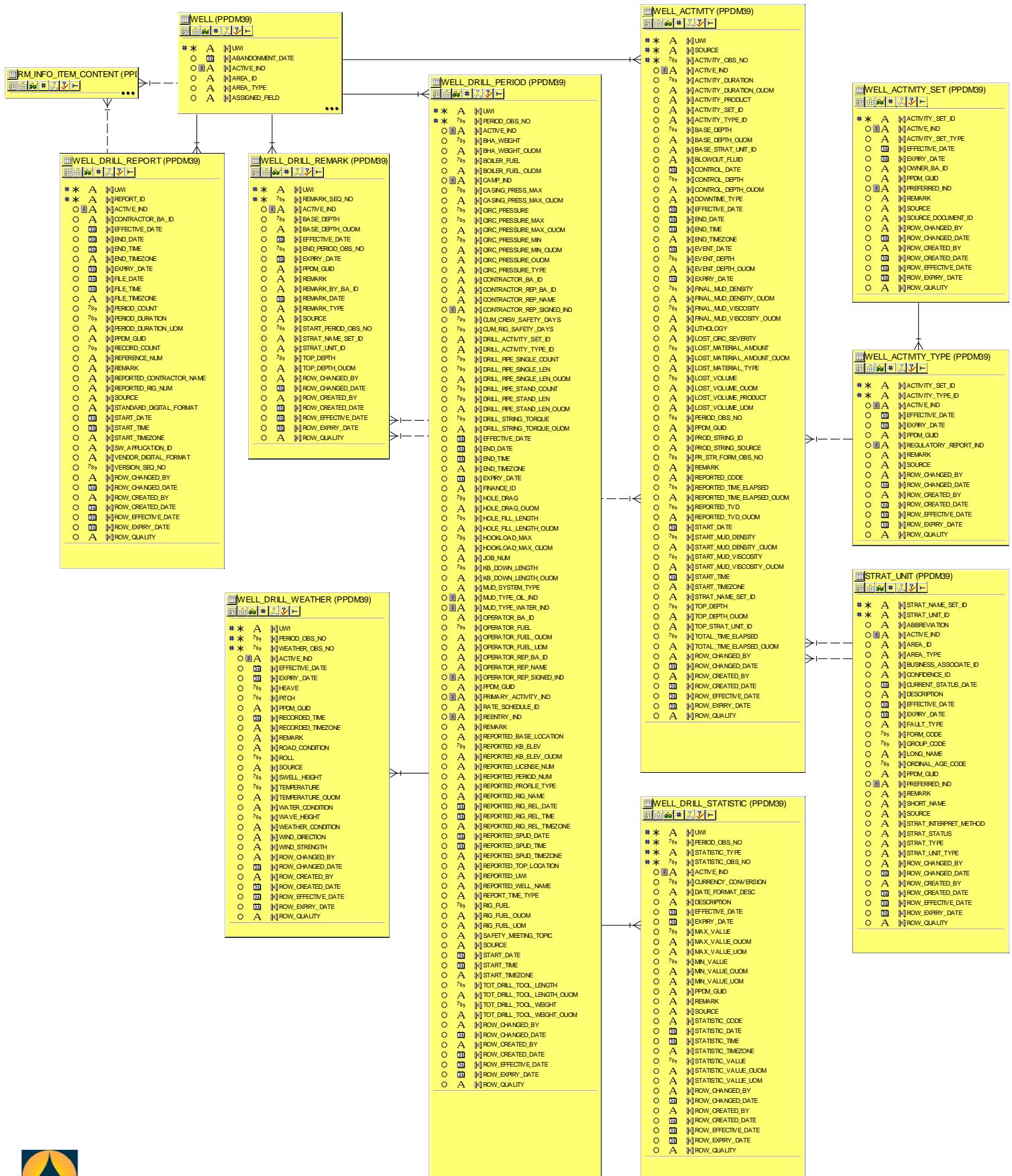
WELL DRILL HORIZONTAL



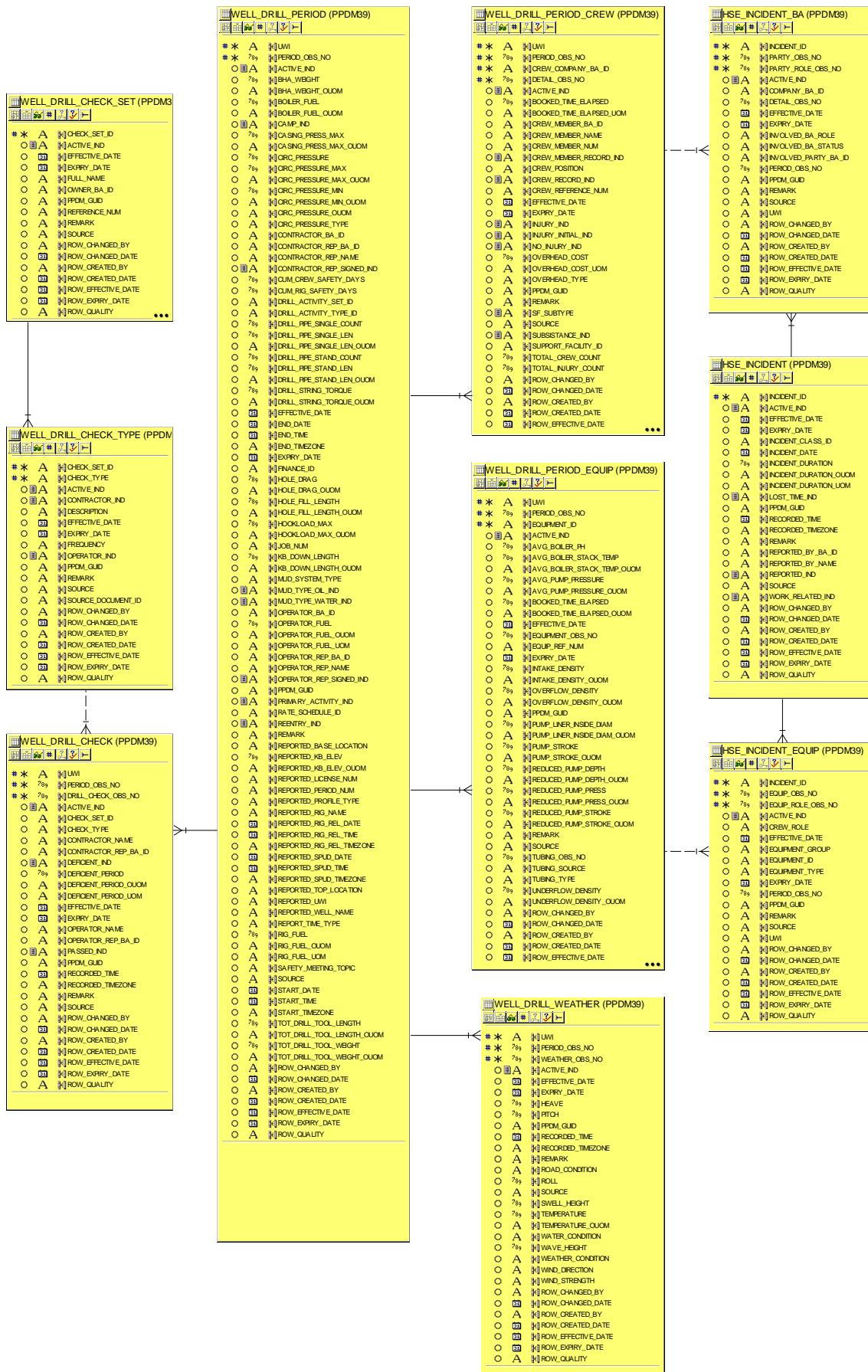
WELL DRILL MARINE OPERATIONS



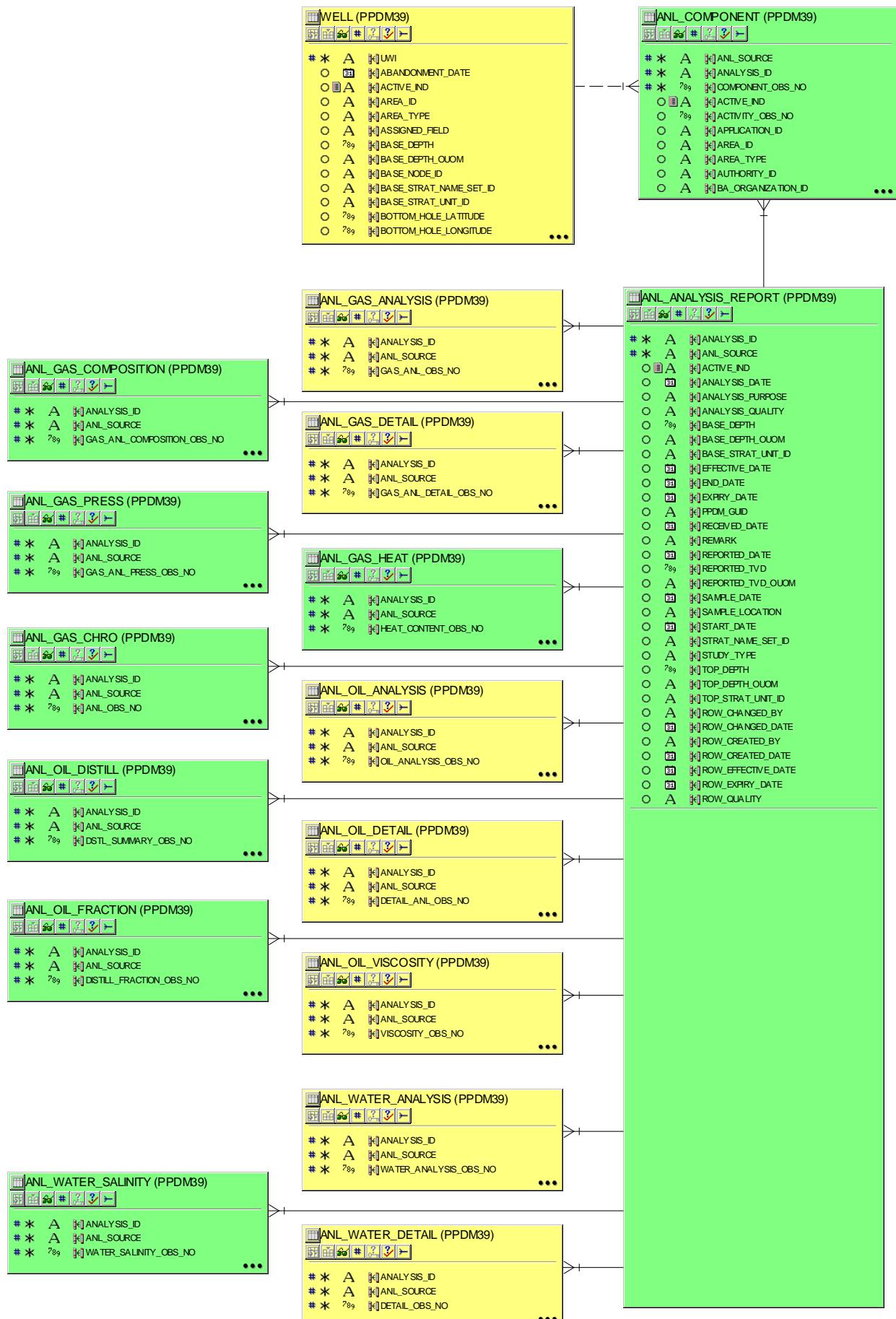
WELL DRILL OPERATIONS



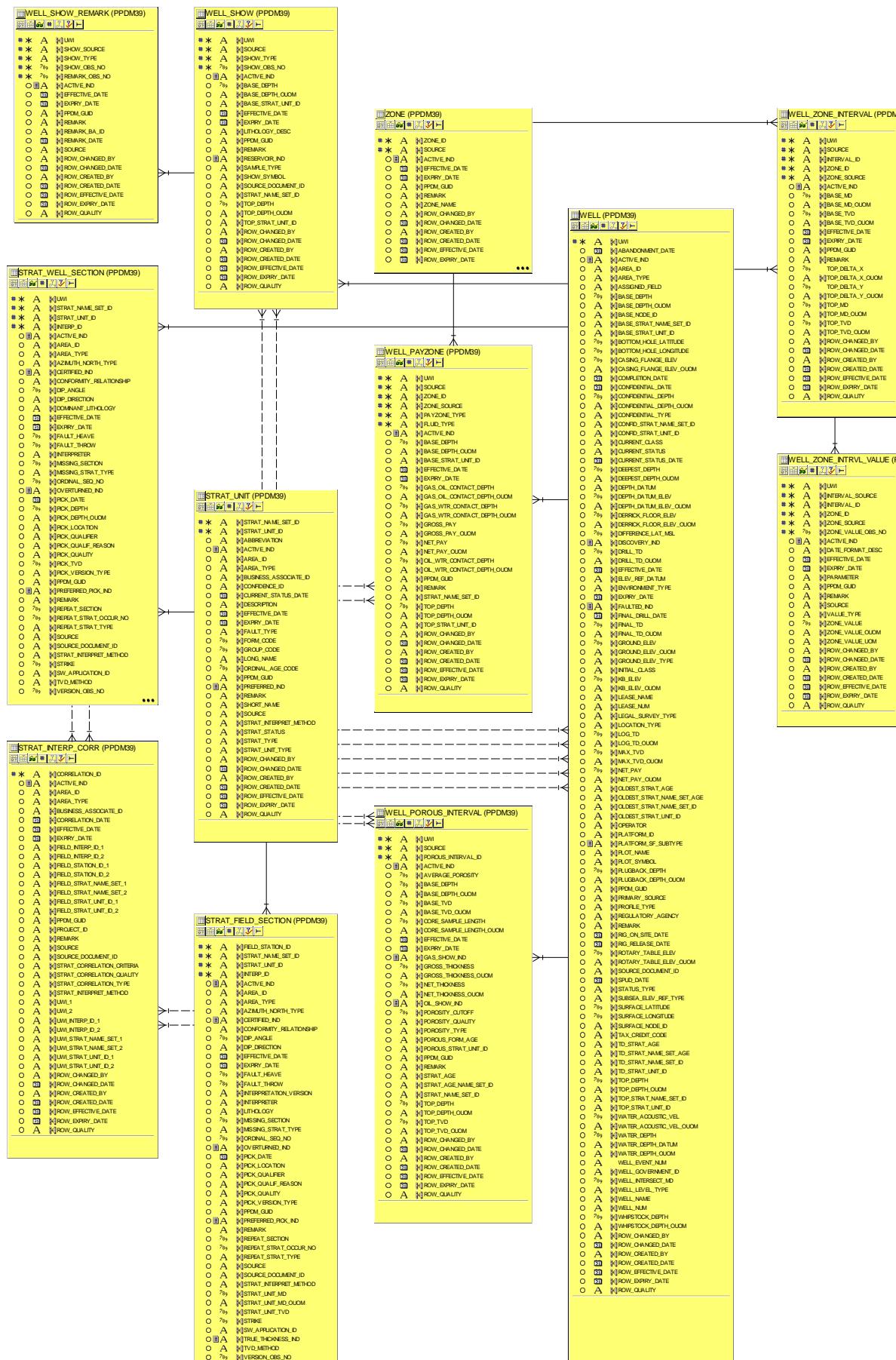
WELL DRILL SAFETY



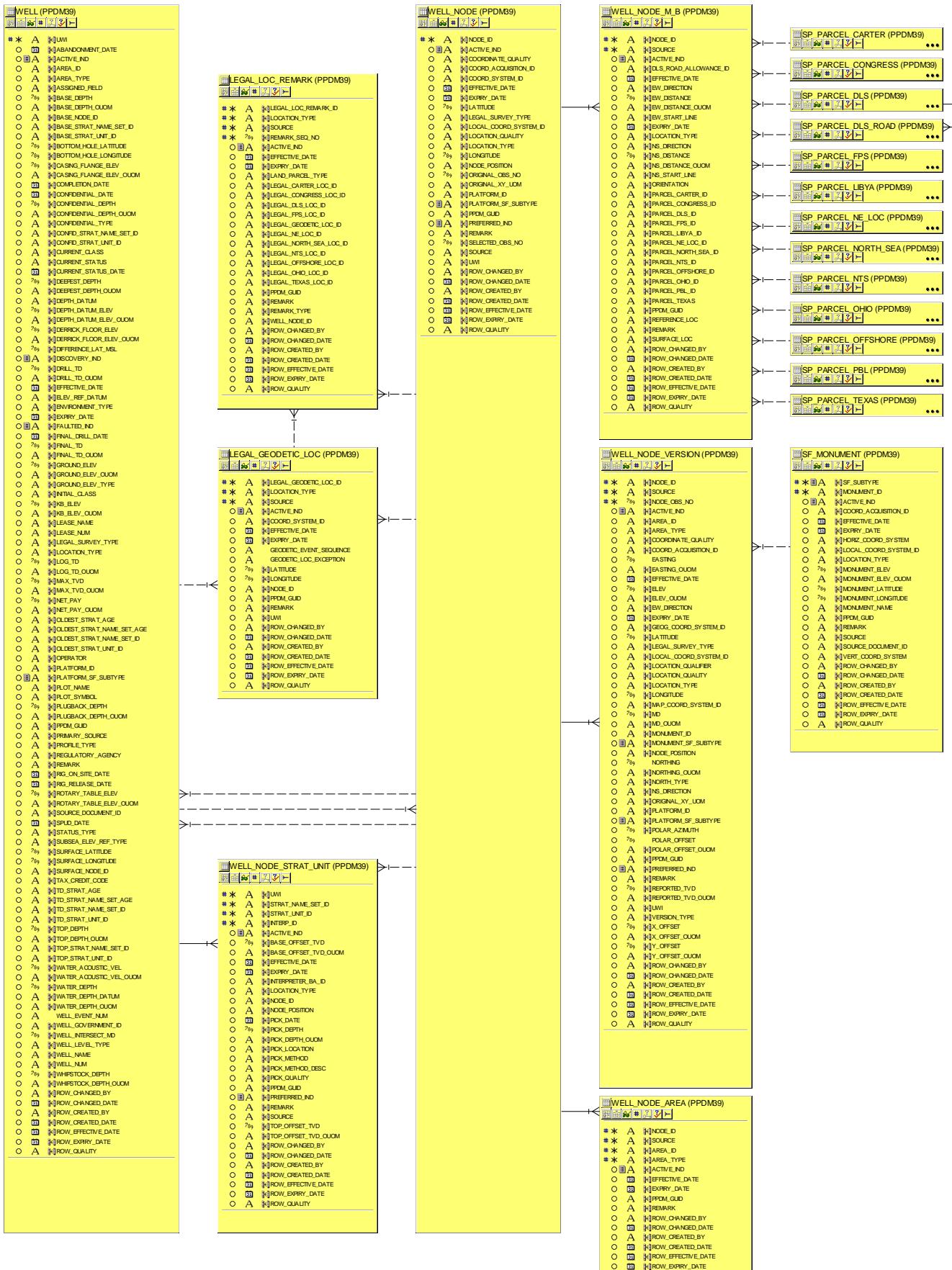
WELL FLUID ANALYSIS



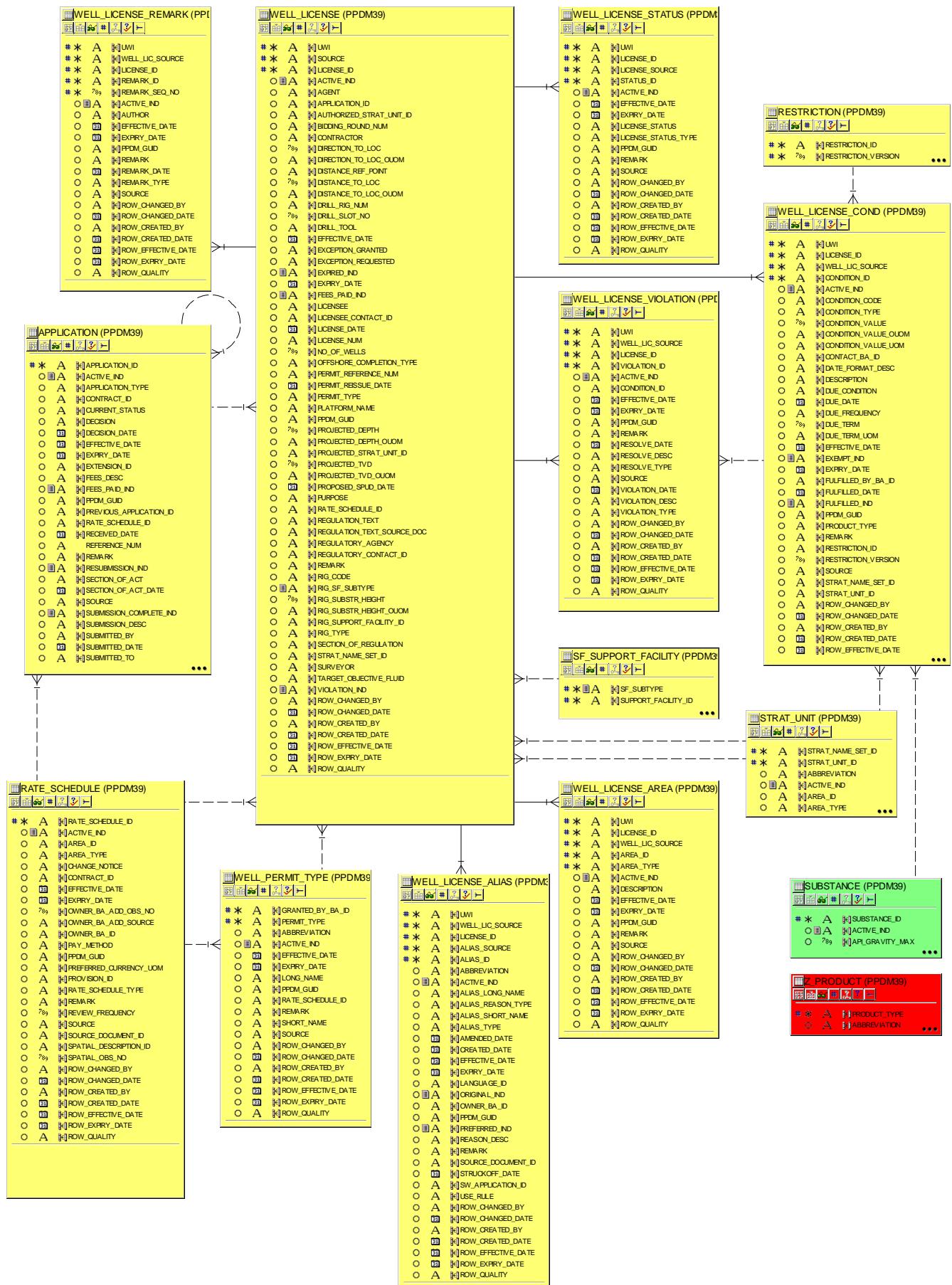
WELL INTERPRETATION



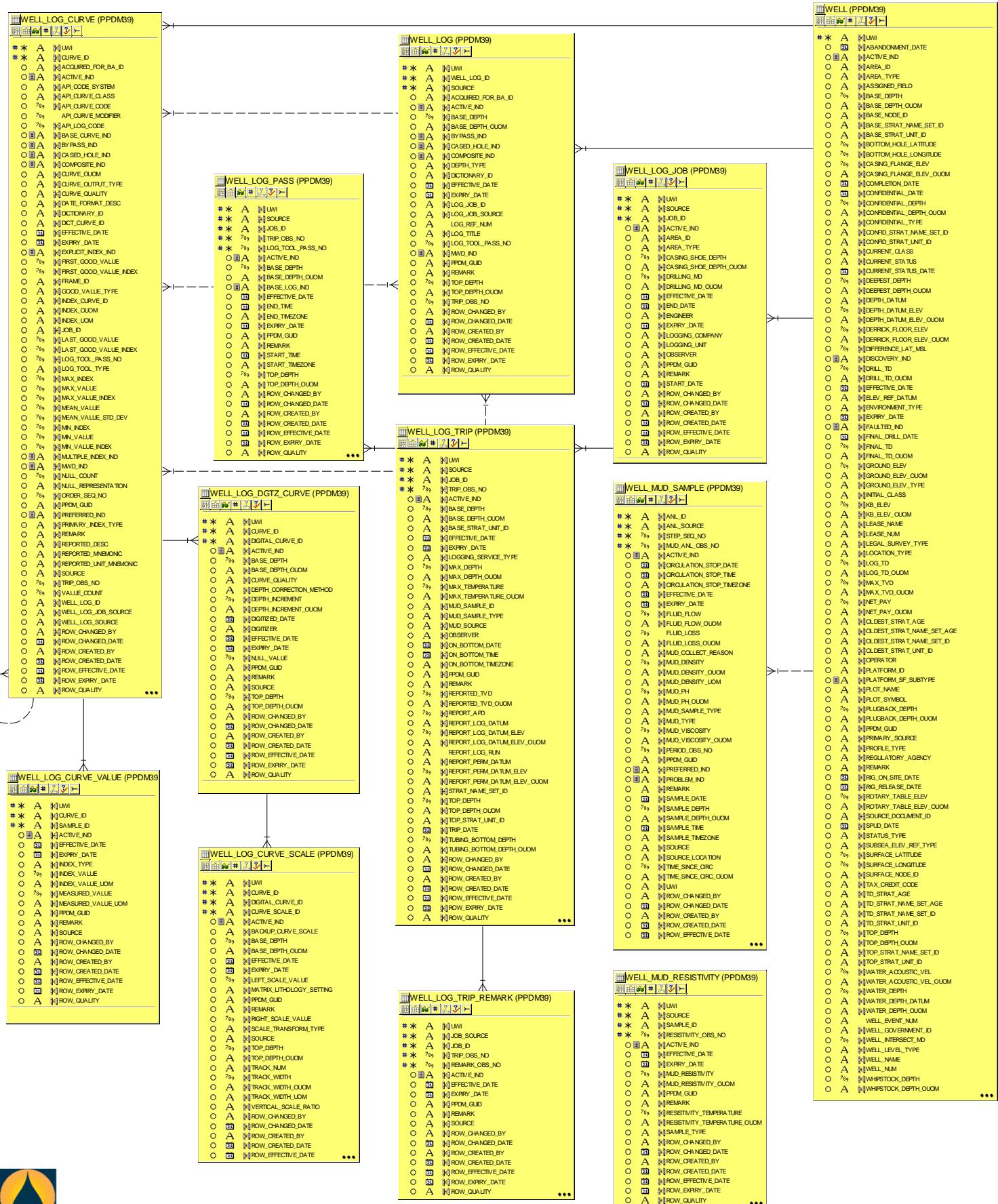
WELL LEGAL LOCATION



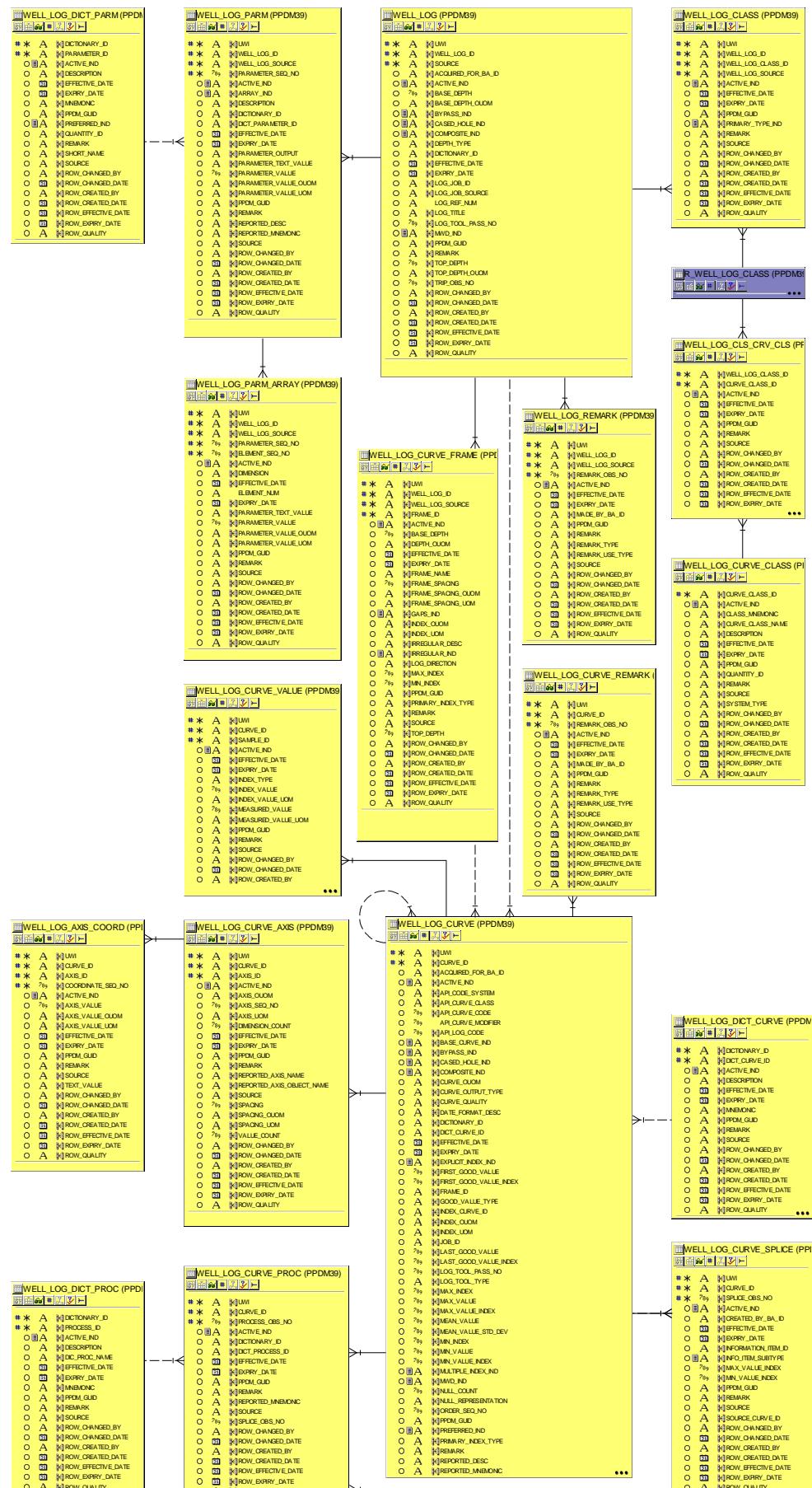
WELL LICENSES



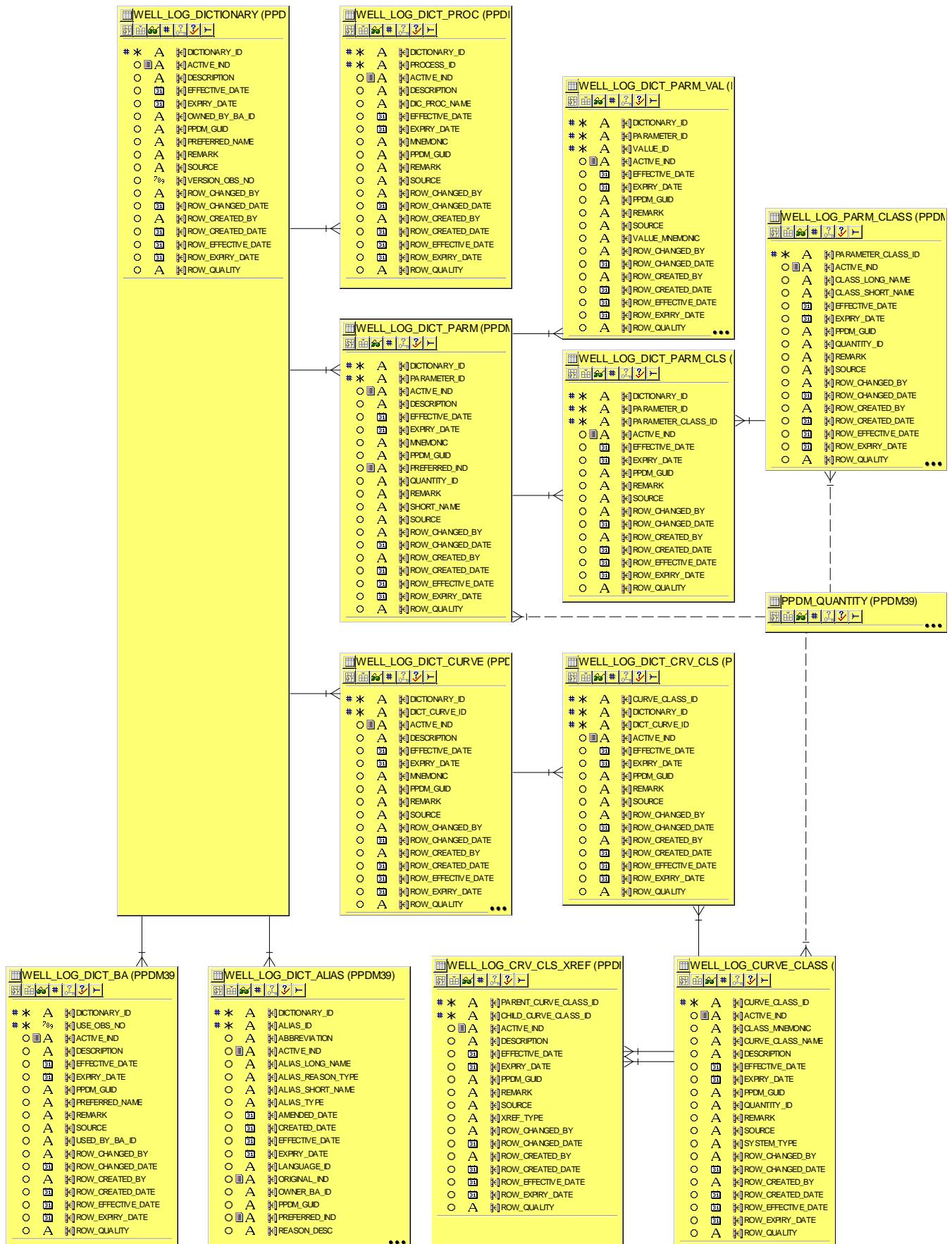
WELL LOG ACQUISITION AND MUD RESISTIVITY



WELL LOG CURVES



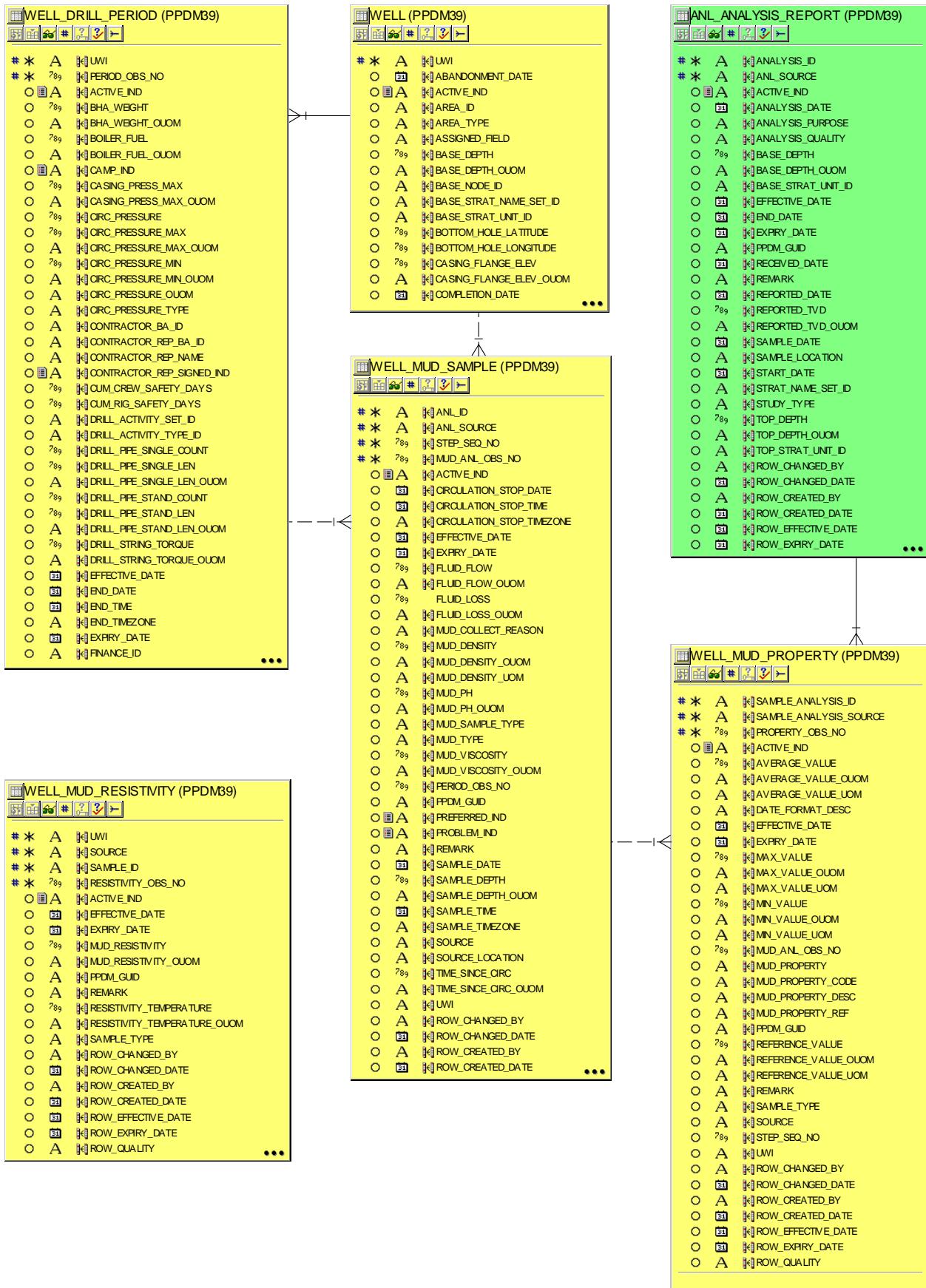
WELL LOG DICTIONARIES



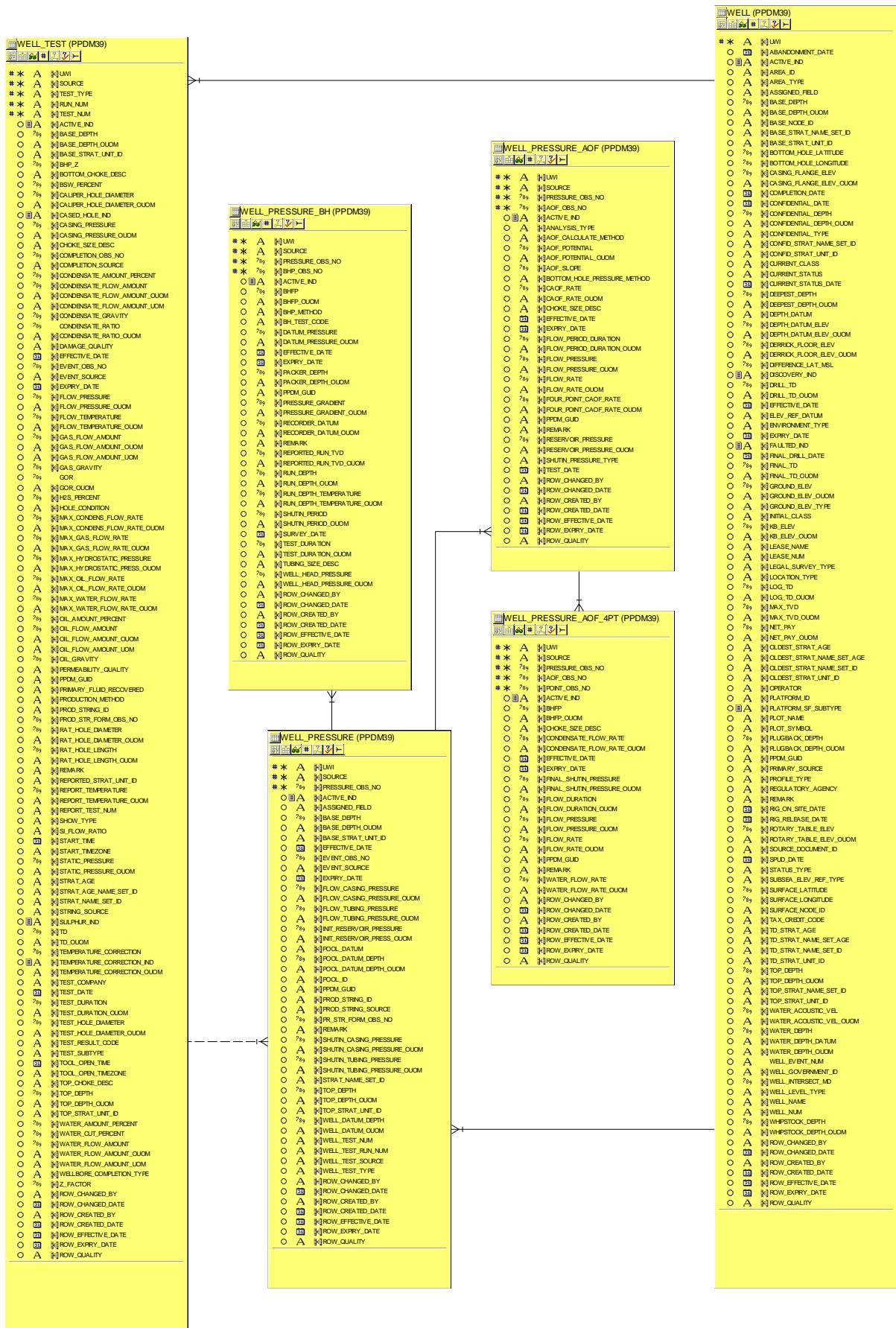
WELL LOG IMAGES



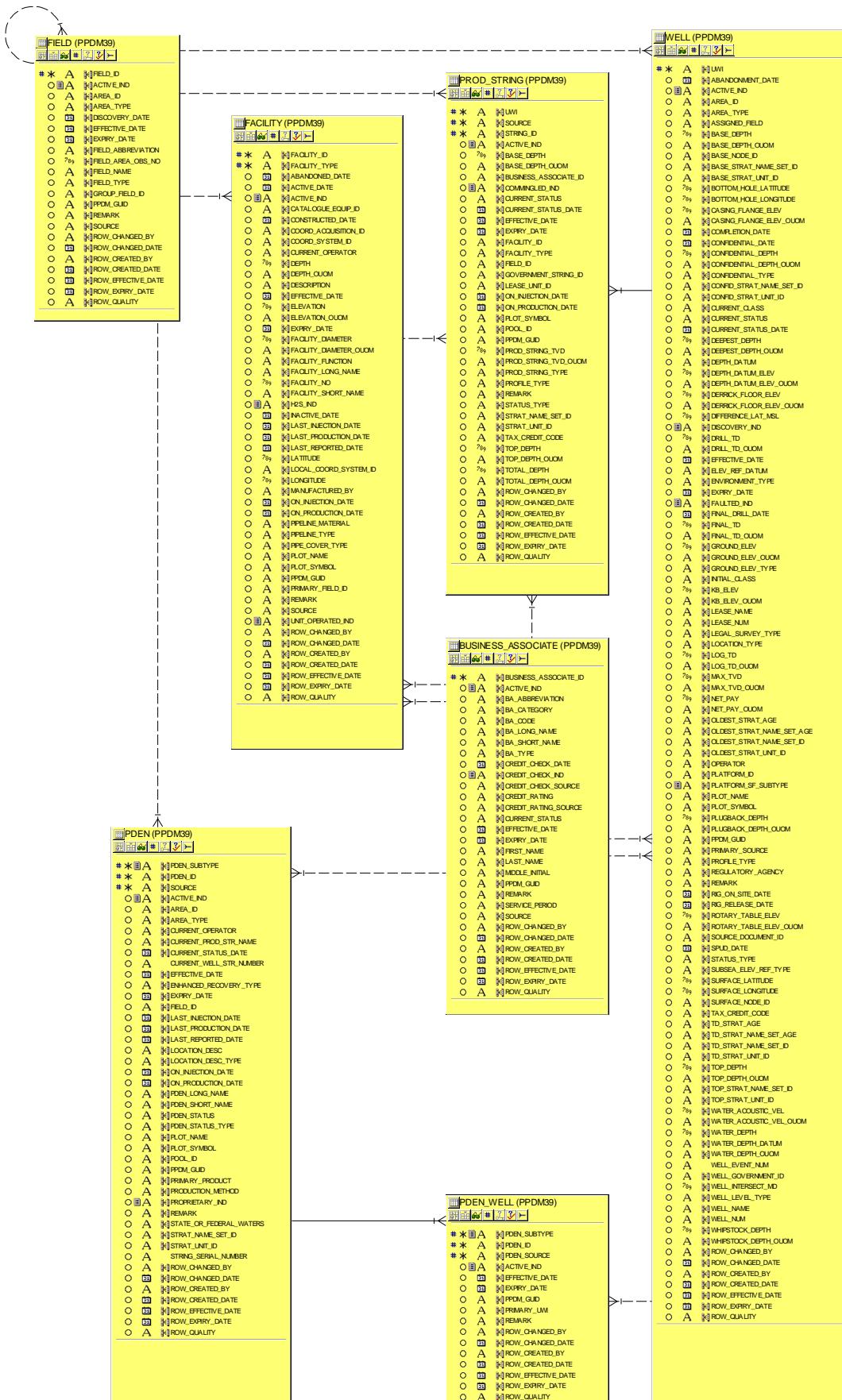
WELL MUD



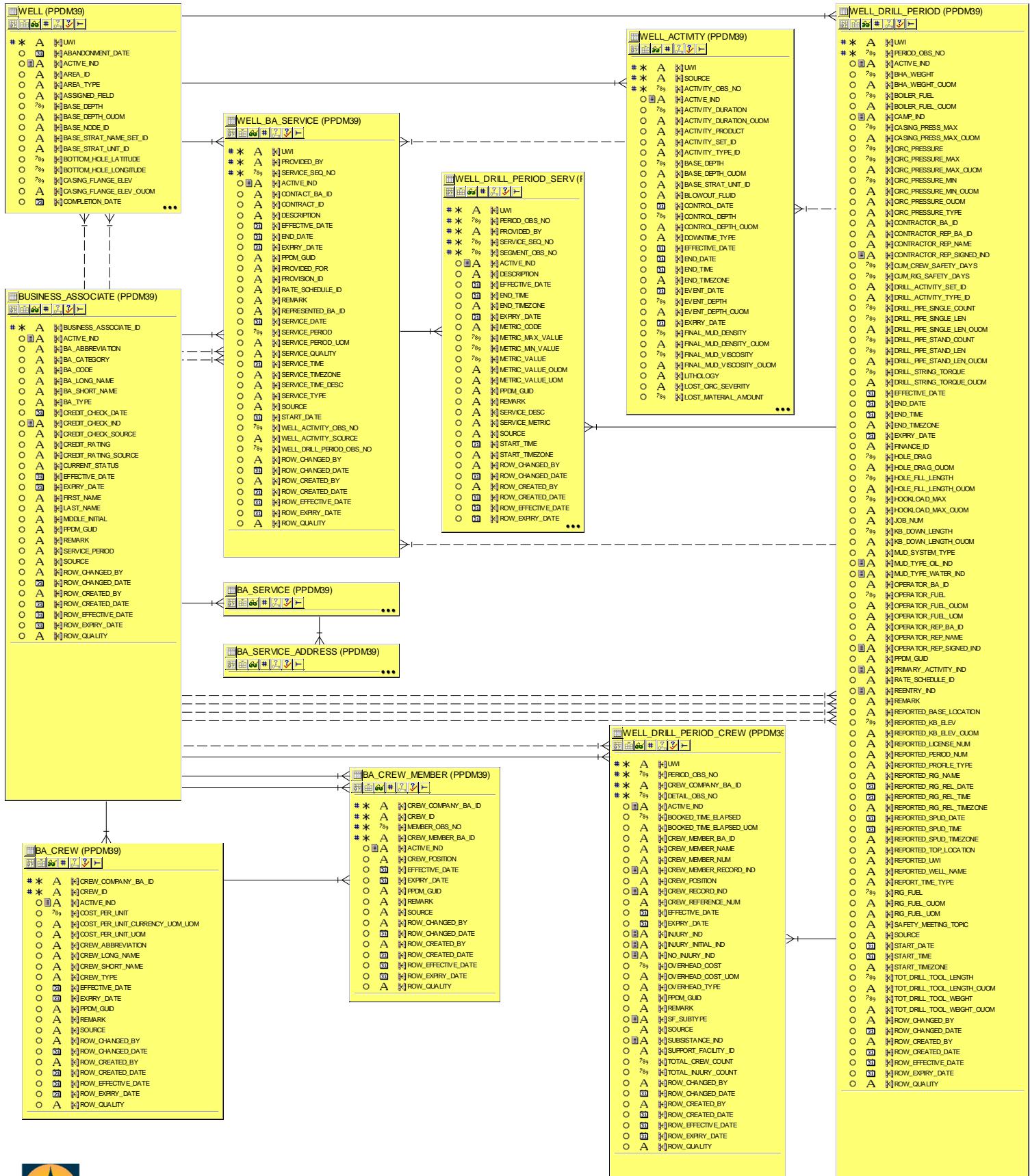
WELL PRESSURE TESTS



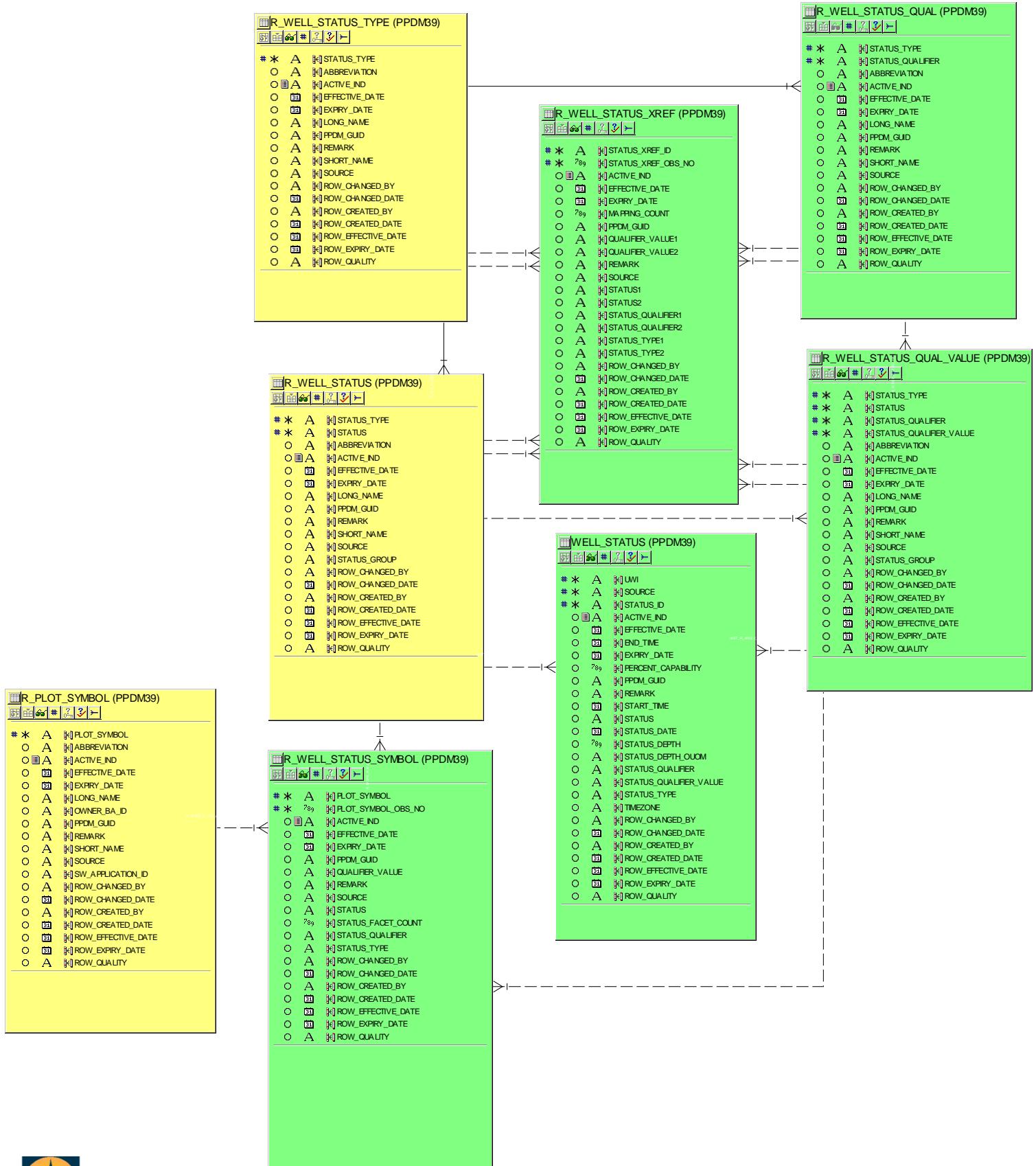
WELL PRODUCTION



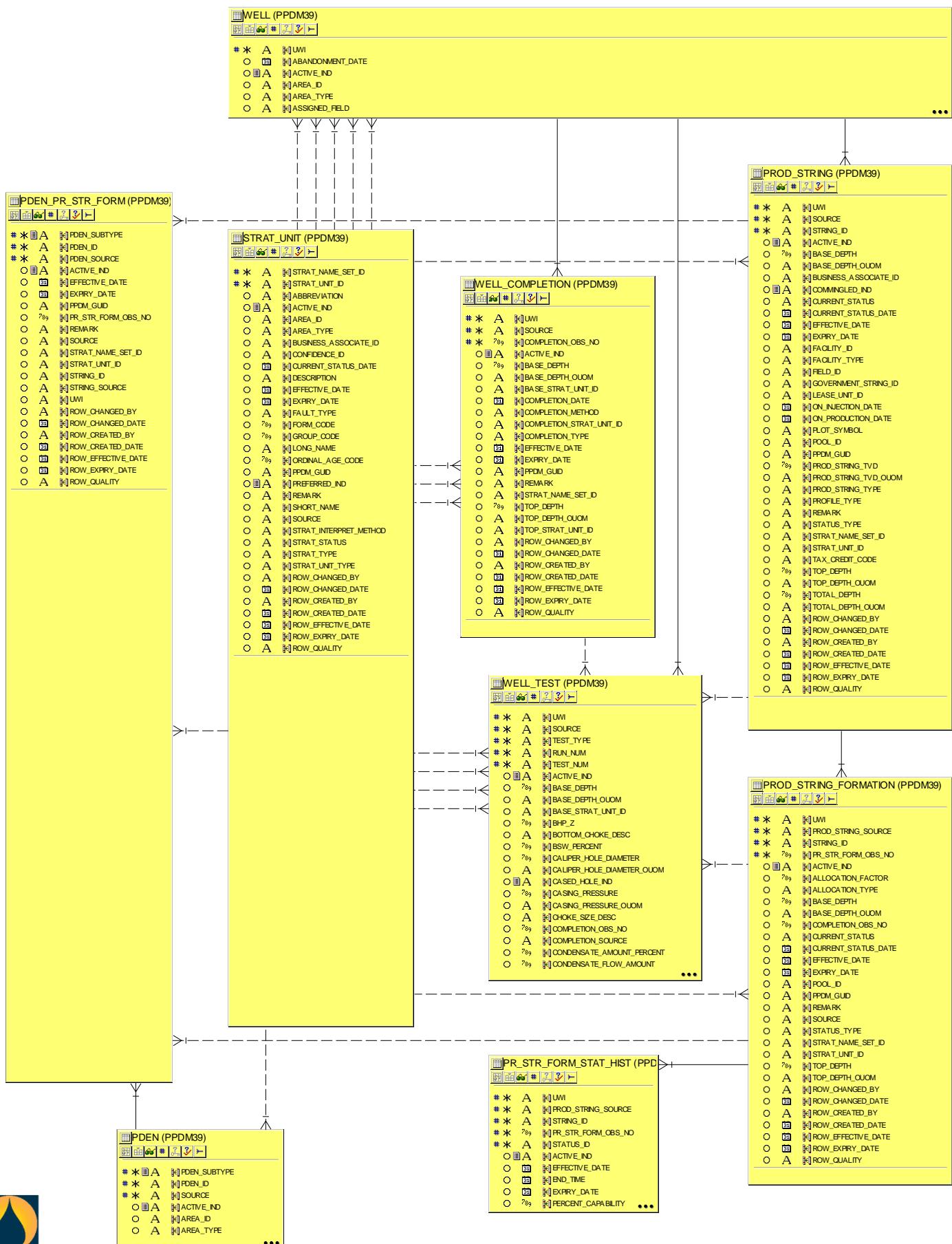
WELL SERVICES



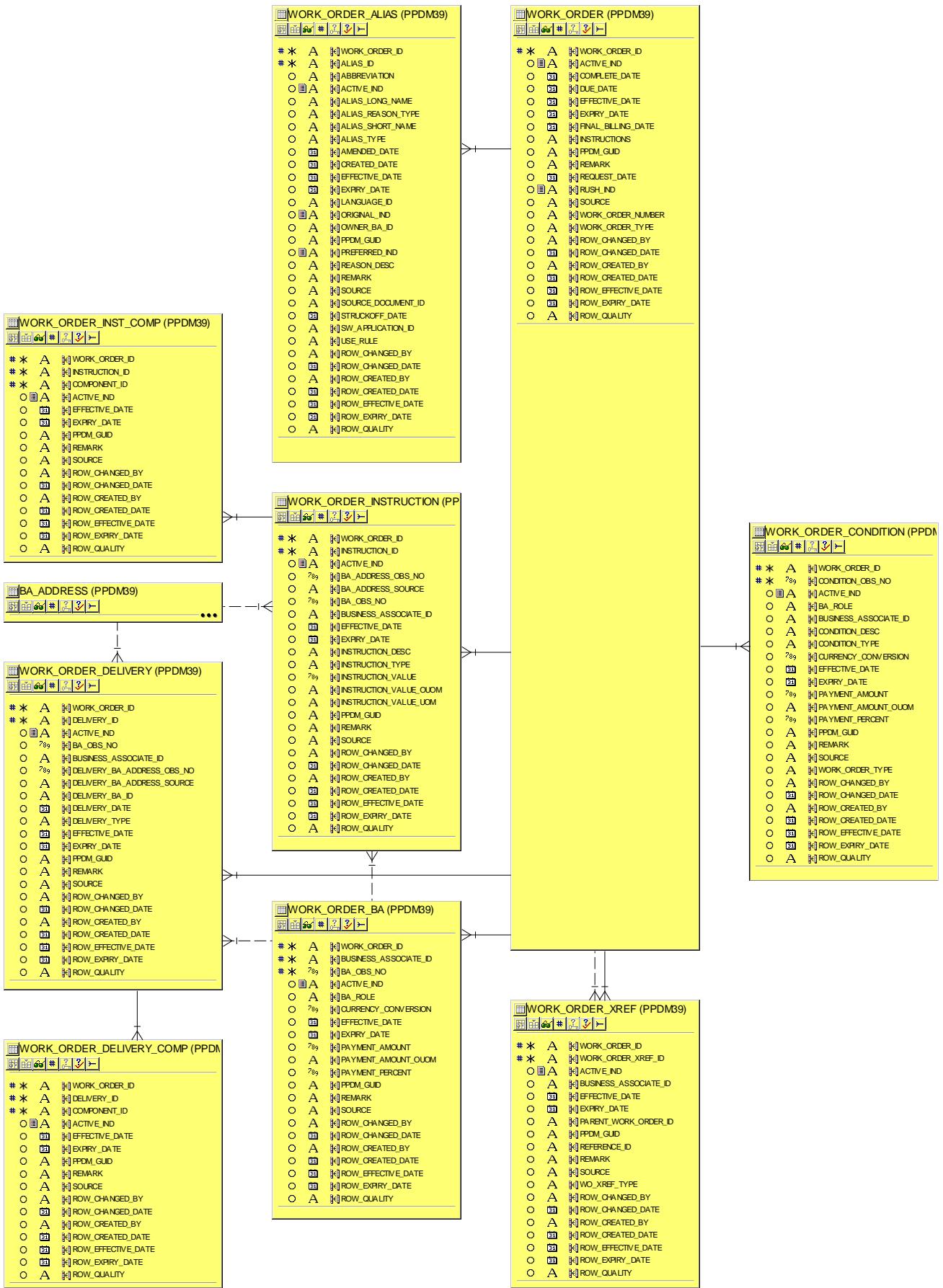
WELL STATUSES



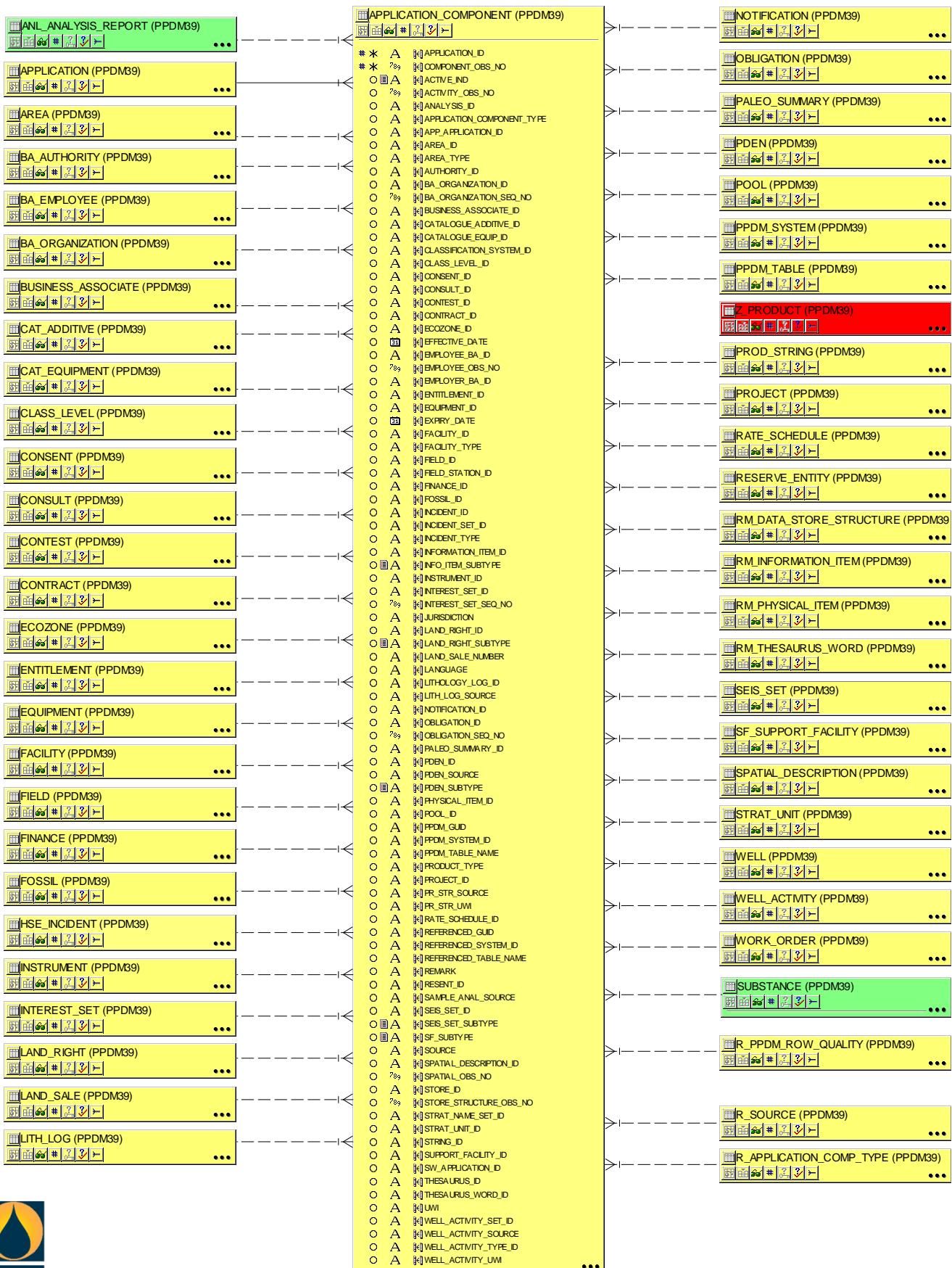
WELL TEST INFORMATION



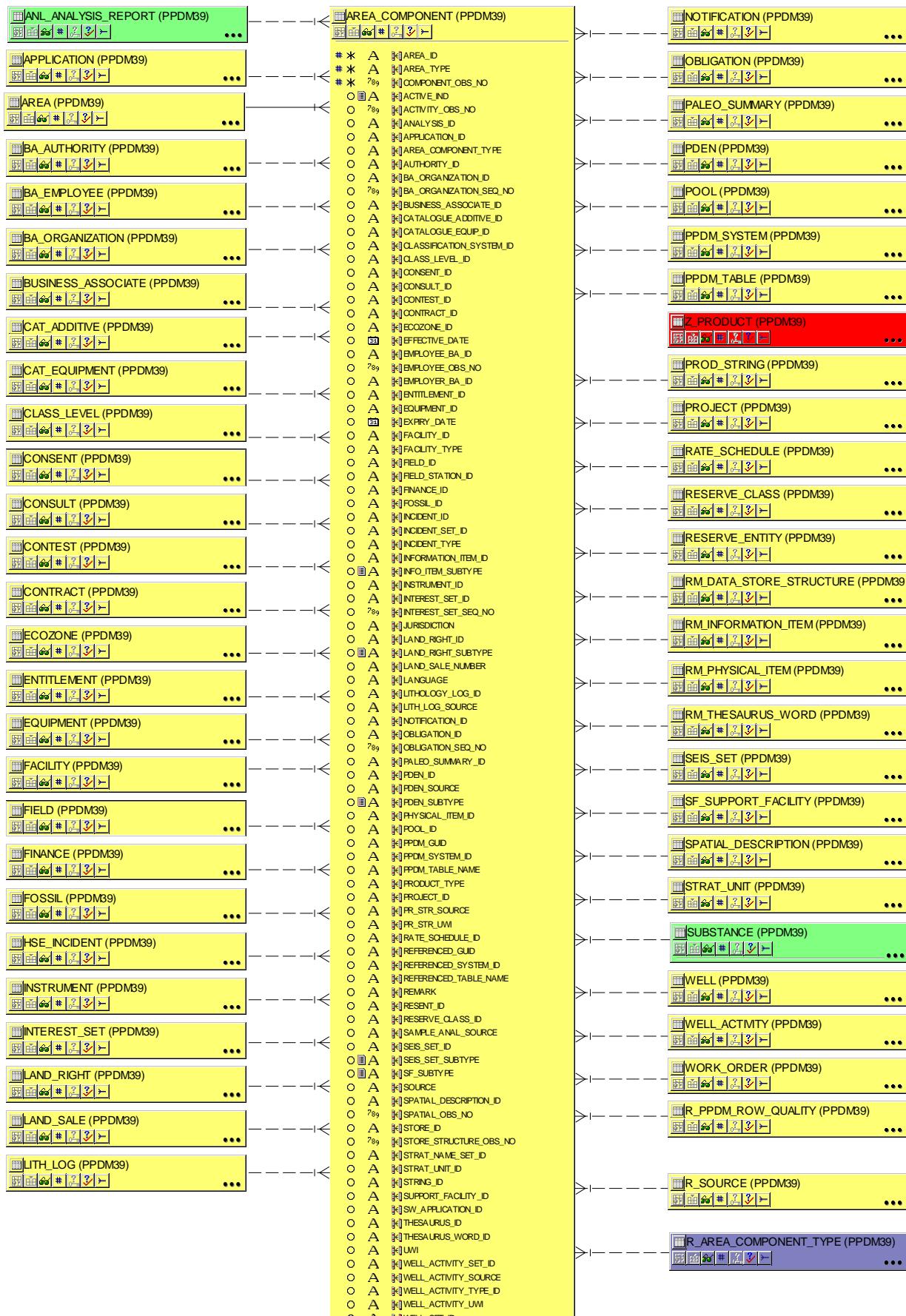
WORK ORDER



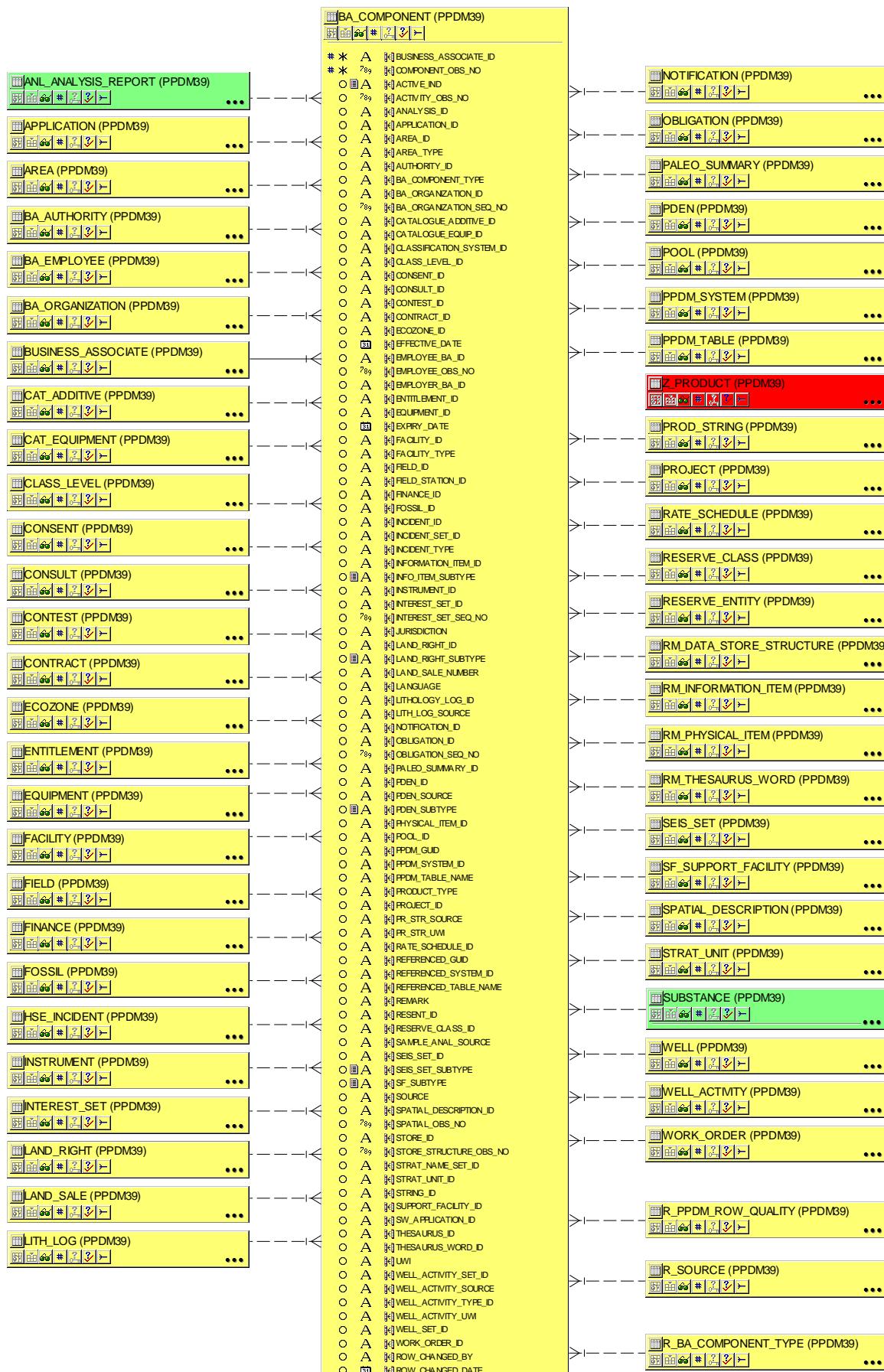
APPLICATION COMPONENTS



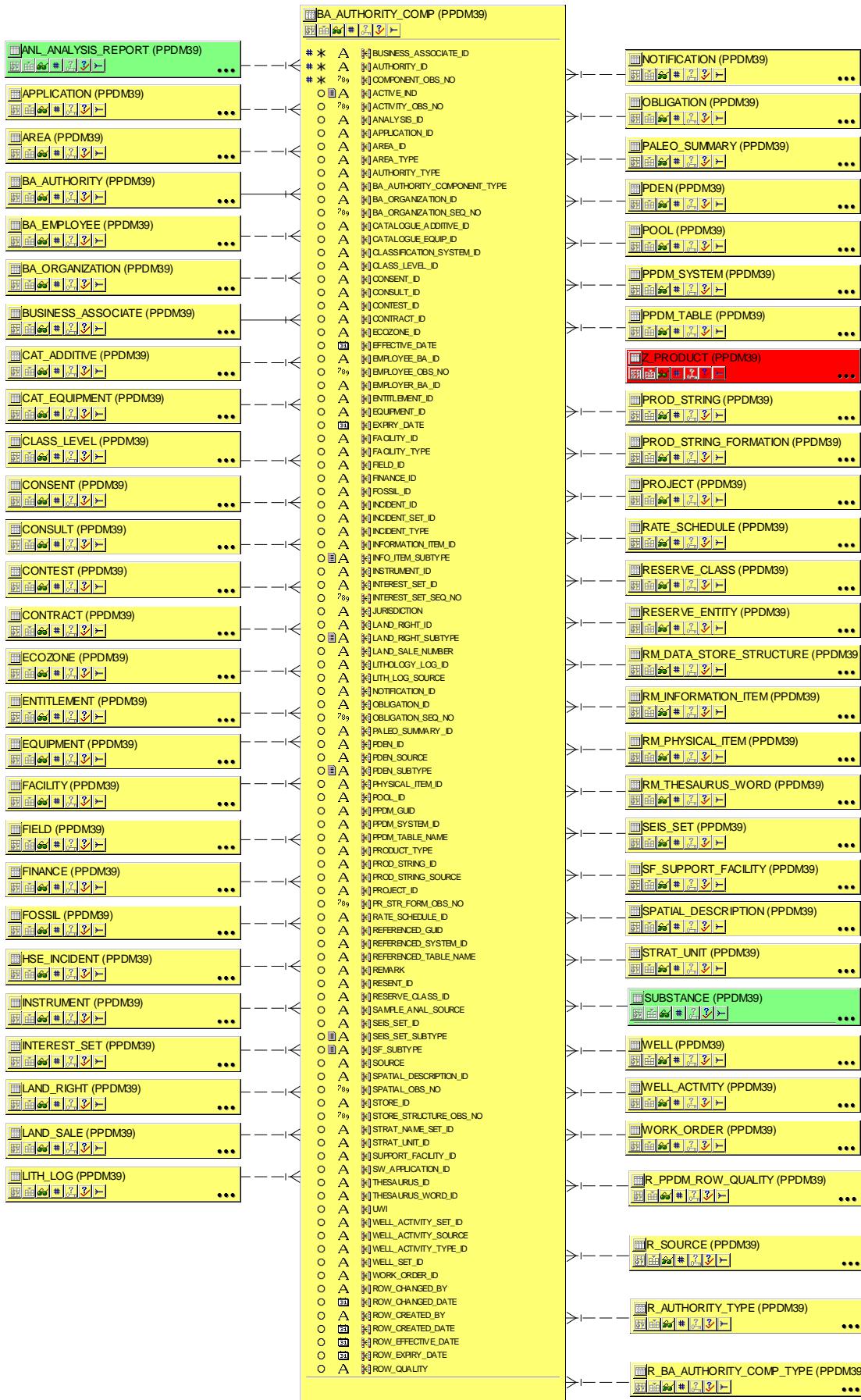
AREA COMPONENTS



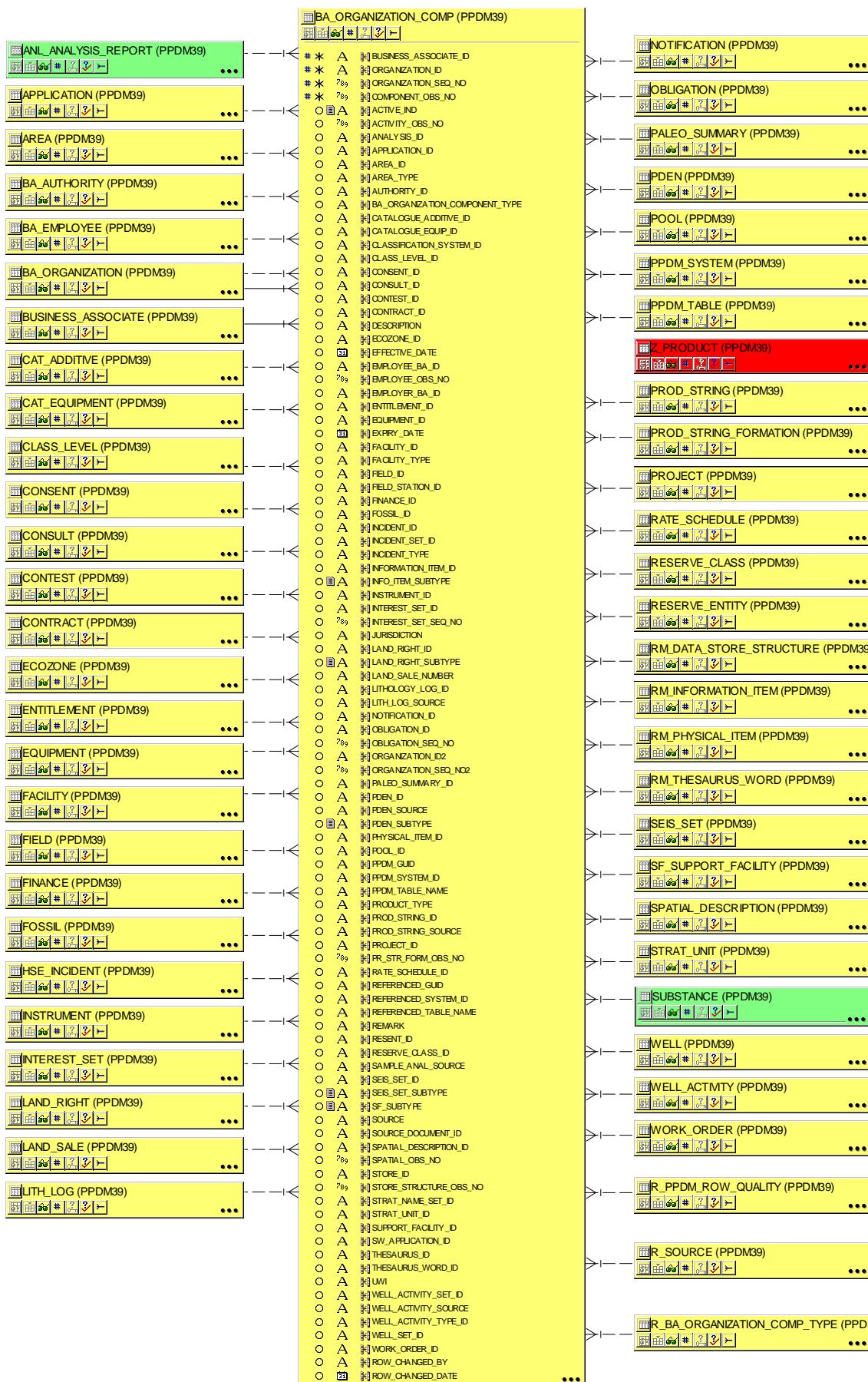
BUSINESS ASSOCIATE COMPONENTS



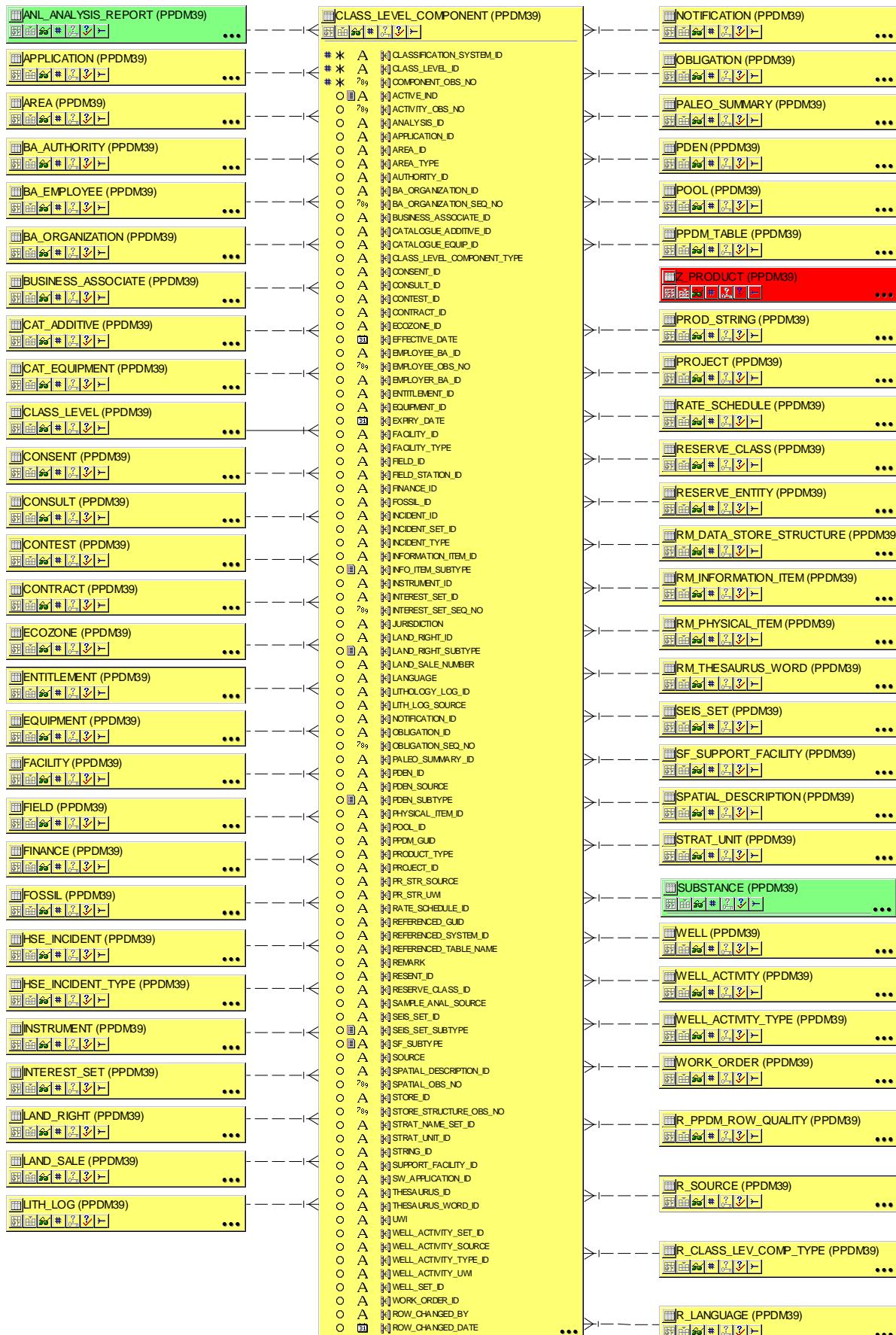
BUSINESS AUTHORITY COMPONENTS



BUSINESS ORGANIZATION COMPONENTS



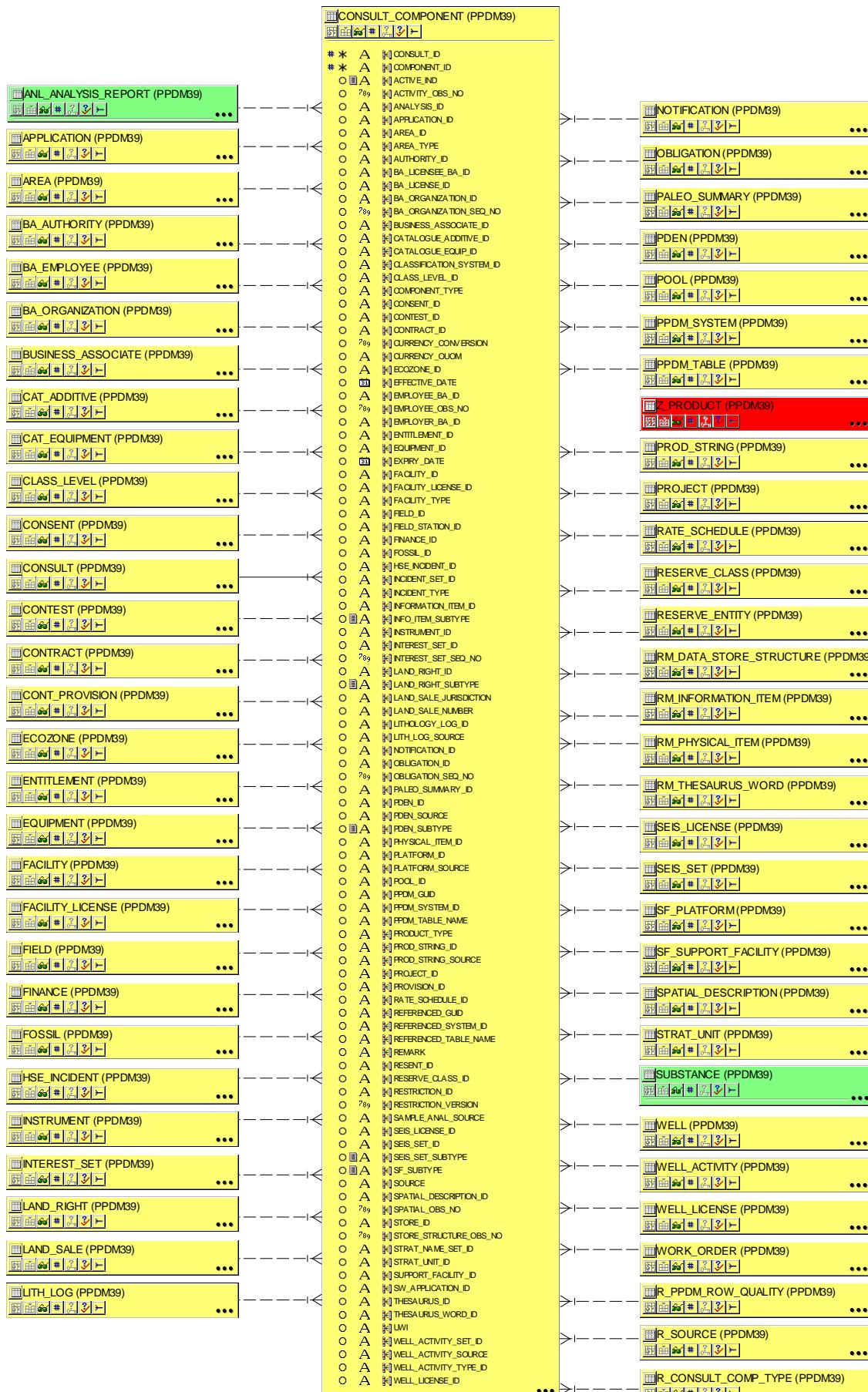
CLASSIFICATION COMPONENTS



CONSENT COMPONENTS



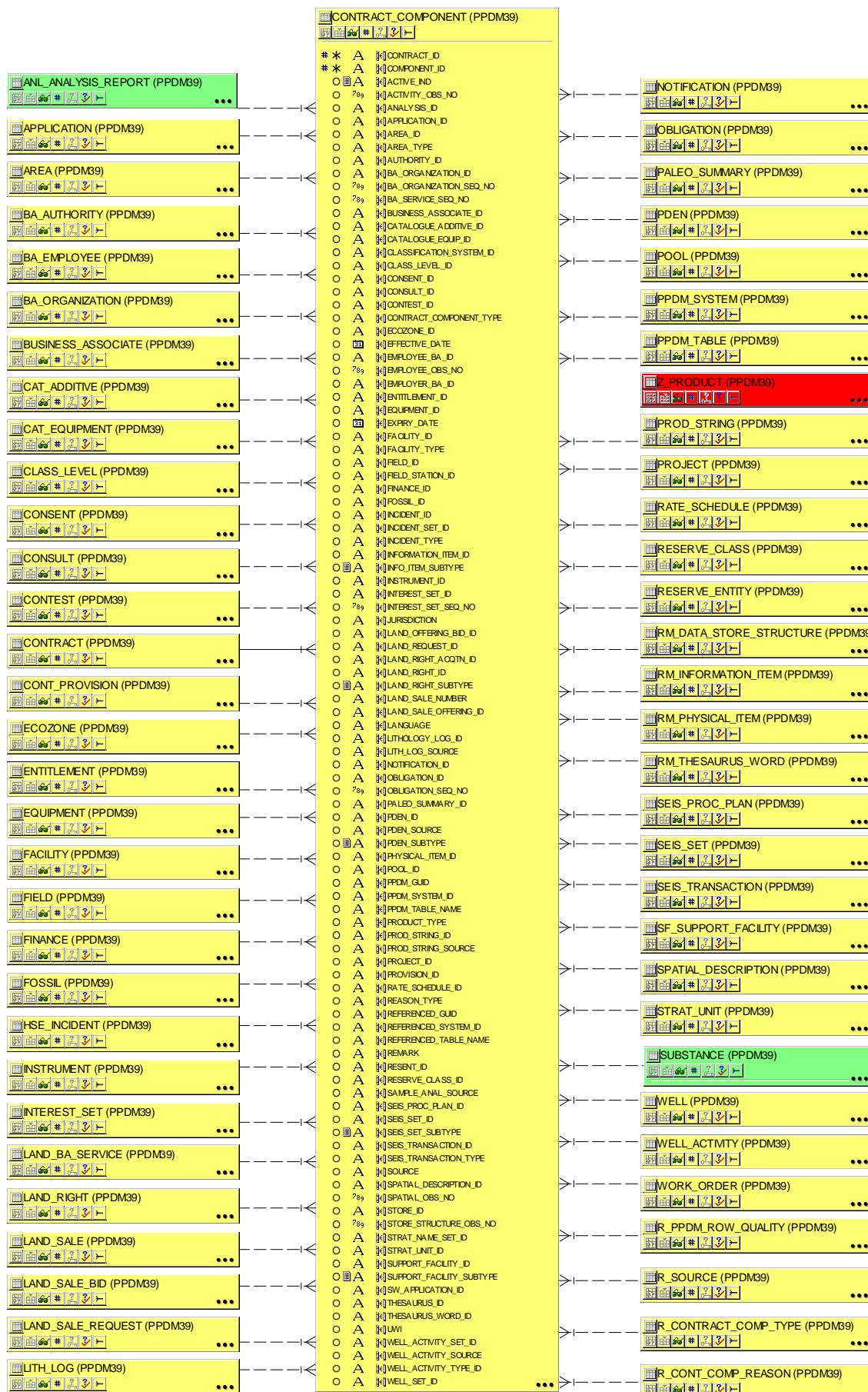
CONSULTATION COMPONENTS



CONTEST COMPONENTS



CONTRACT COMPONENTS



ENTITLEMENT COMPONENTS



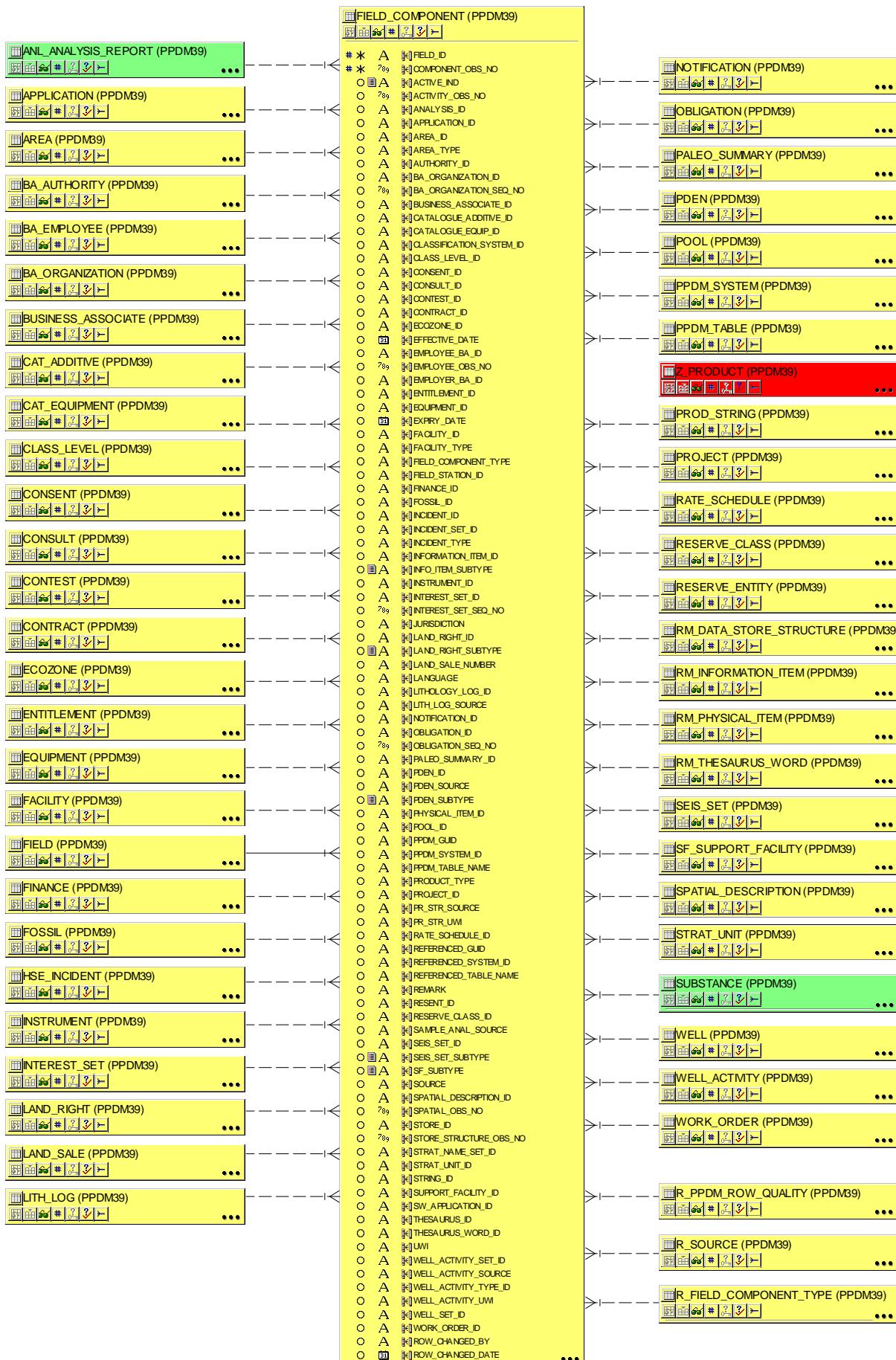
EQUIPMENT COMPONENTS



FACILITY COMPONENTS



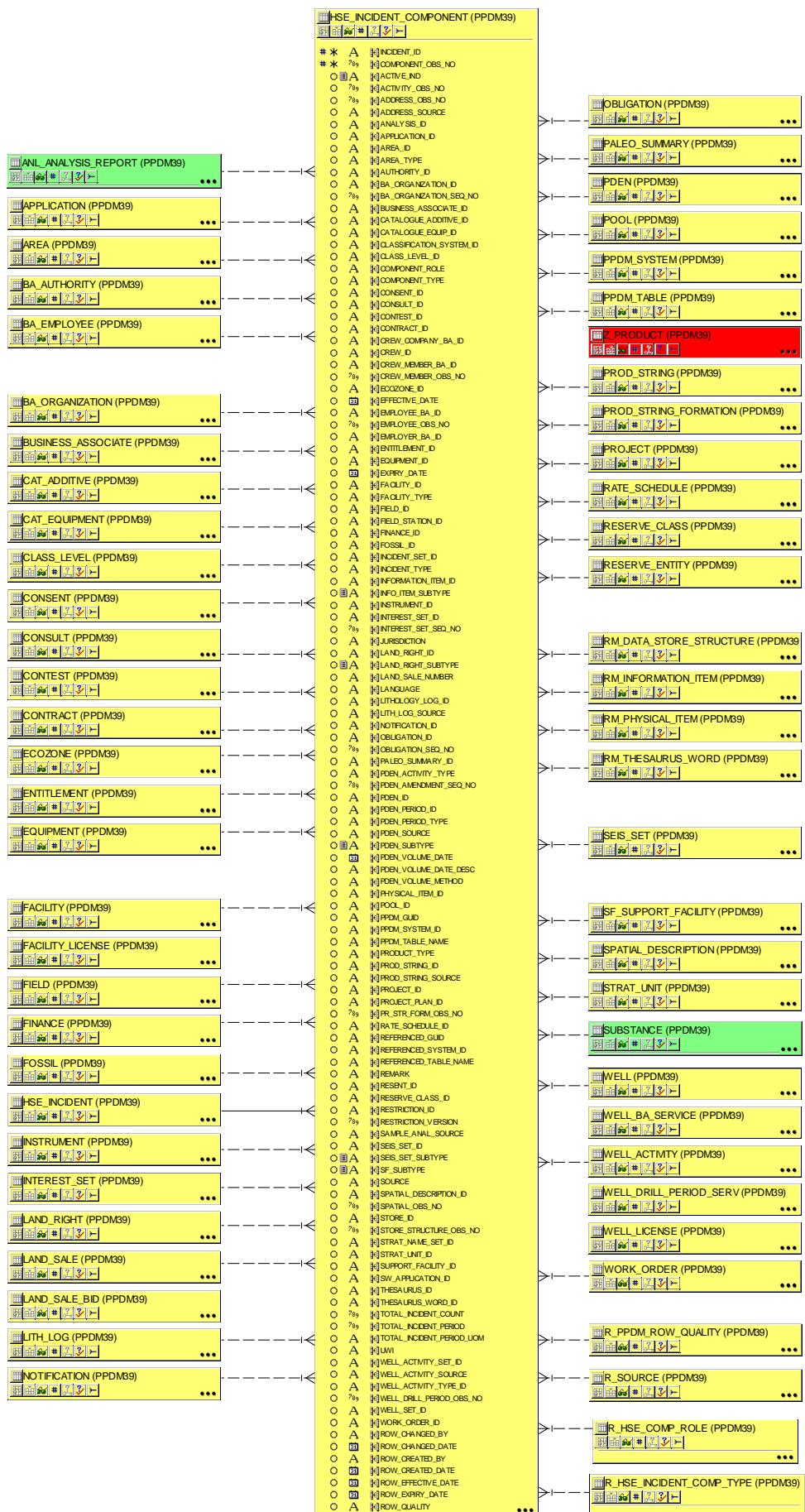
FIELD COMPONENTS



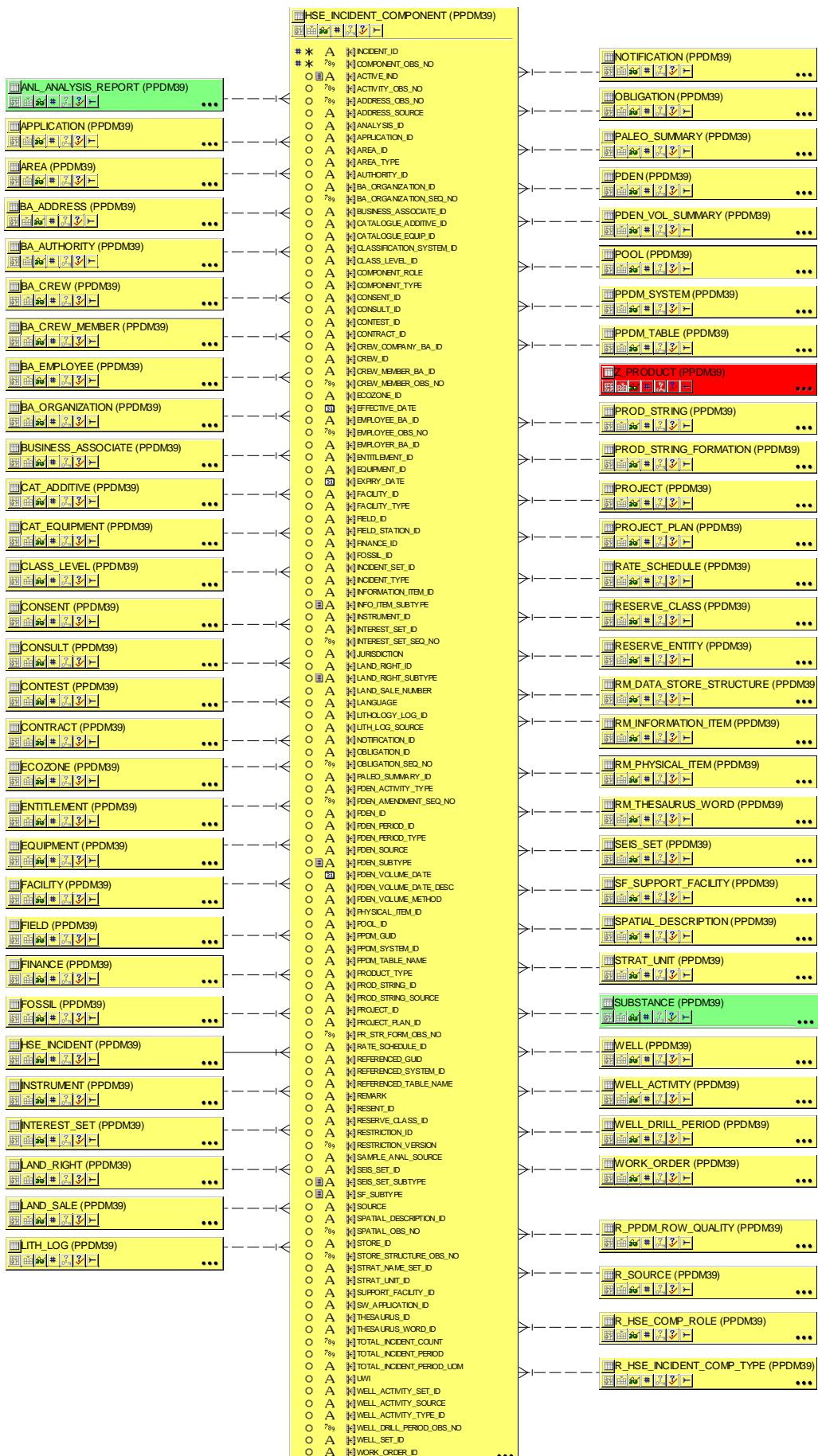
FINANCIAL COMPONENTS



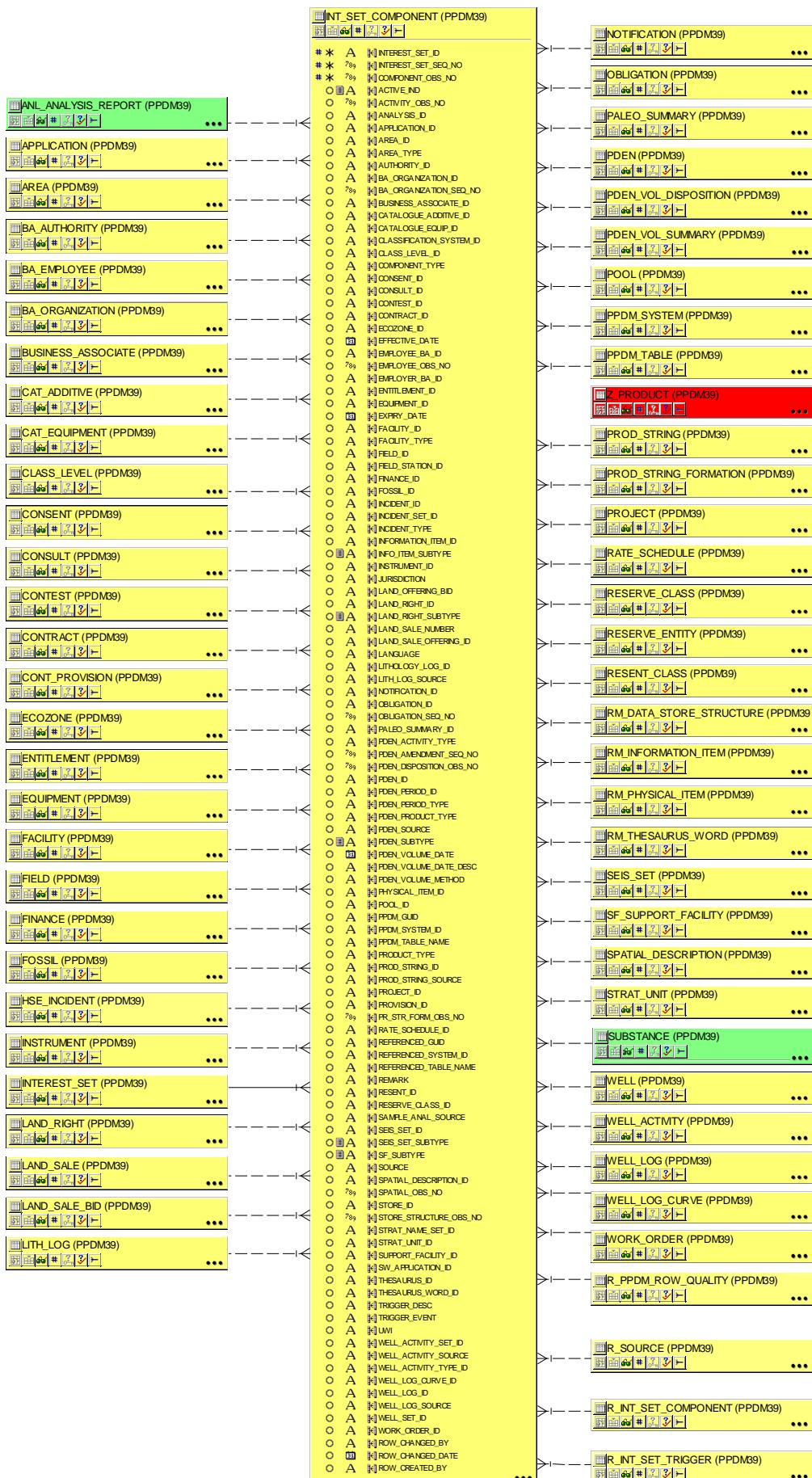
HSE COMPONENTS



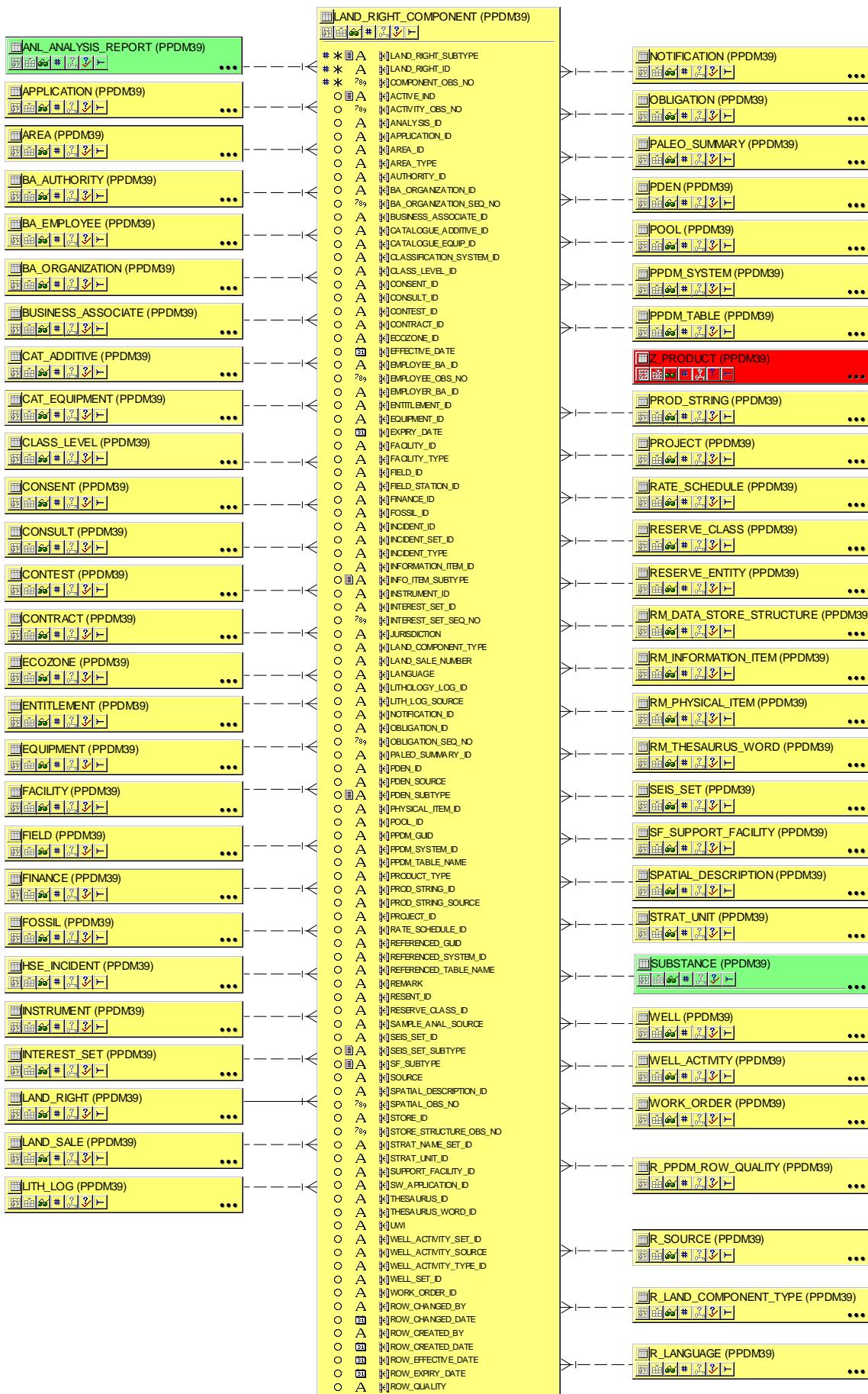
HSE INCIDENT COMPONENTS



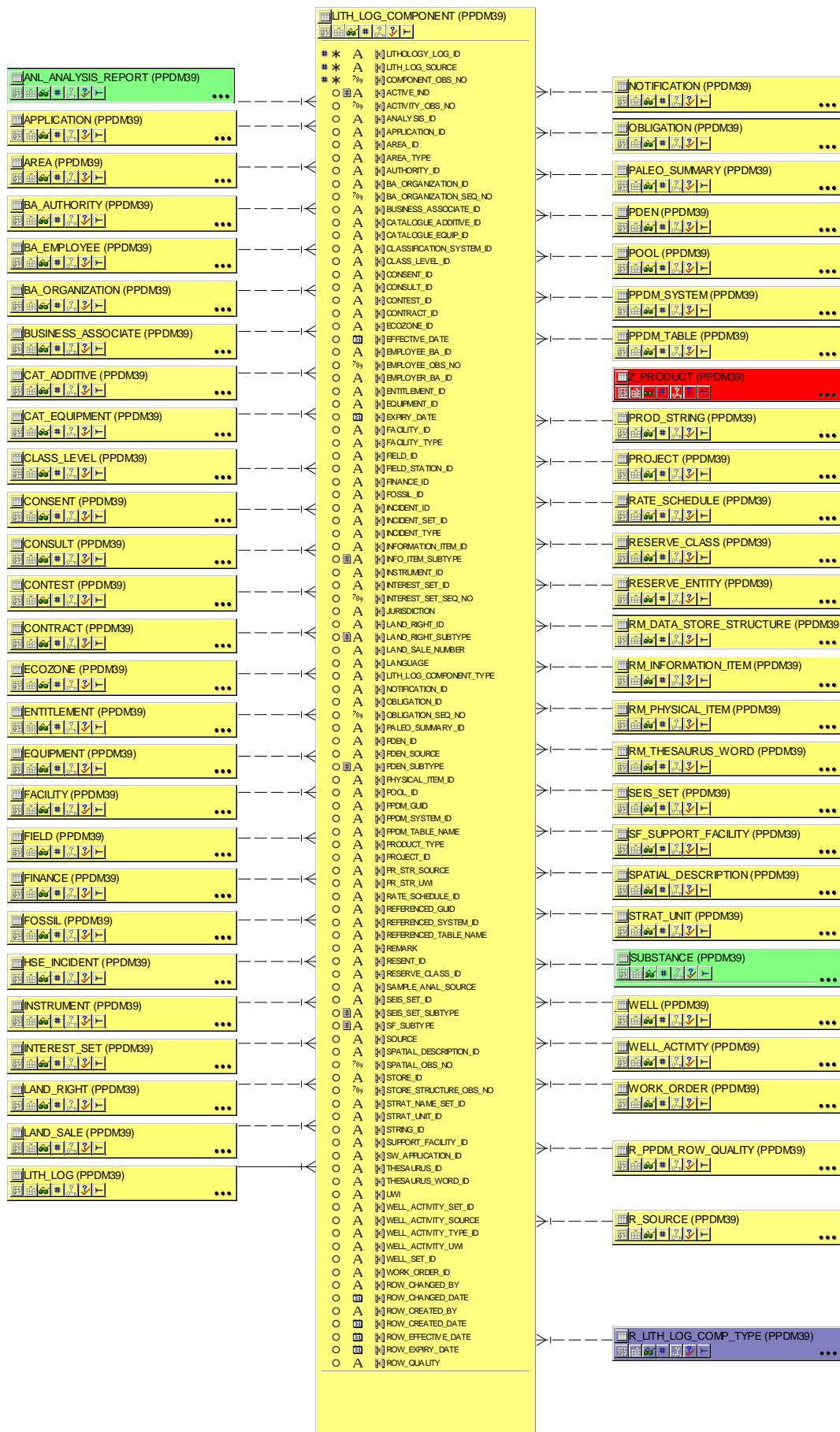
INTEREST SET COMPONENTS



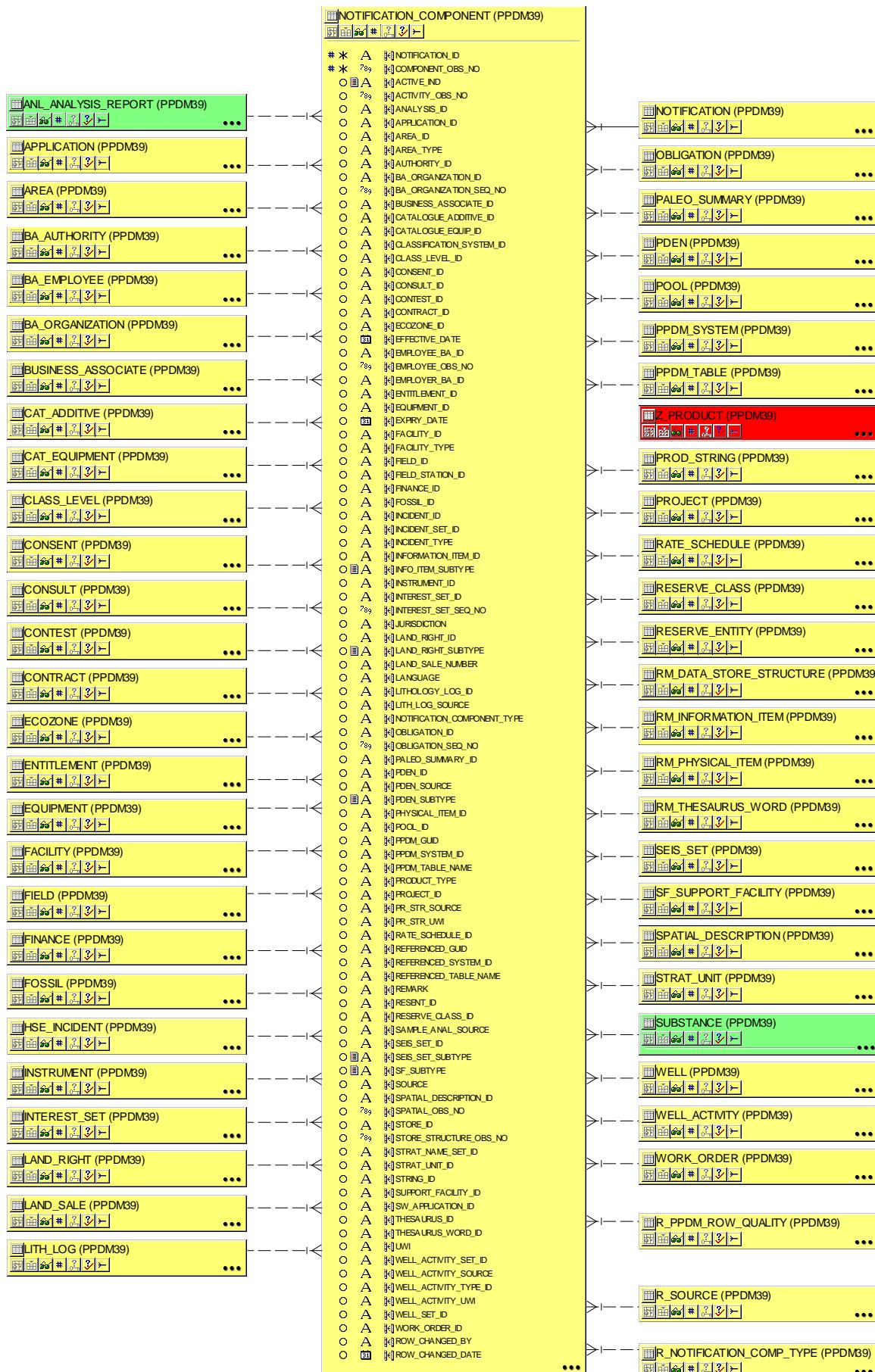
LAND RIGHT COMPONENTS



LITHOLOGY LOG COMPONENTS



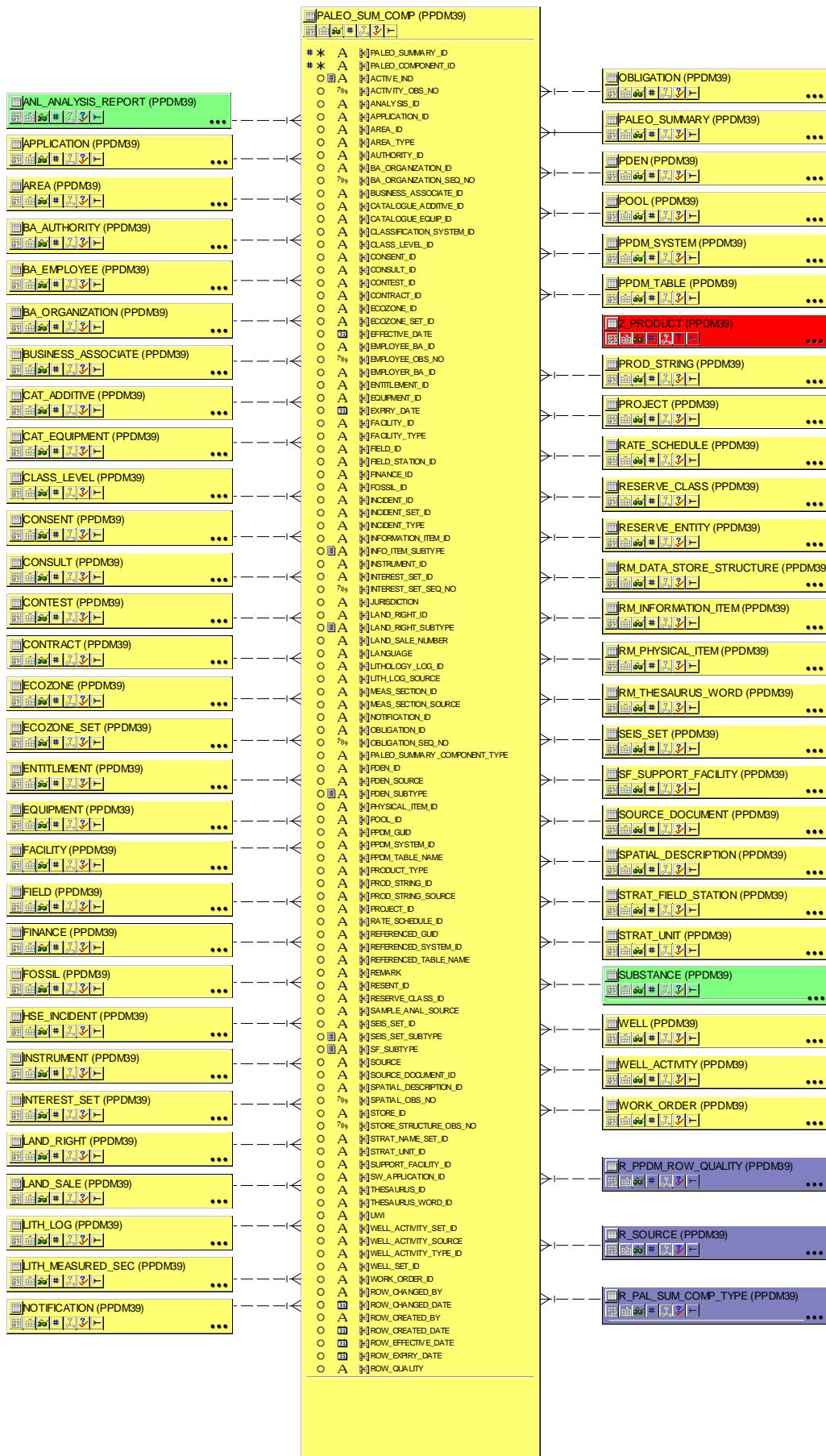
NOTIFICATION COMPONENTS



OBLIGATION COMPONENTS



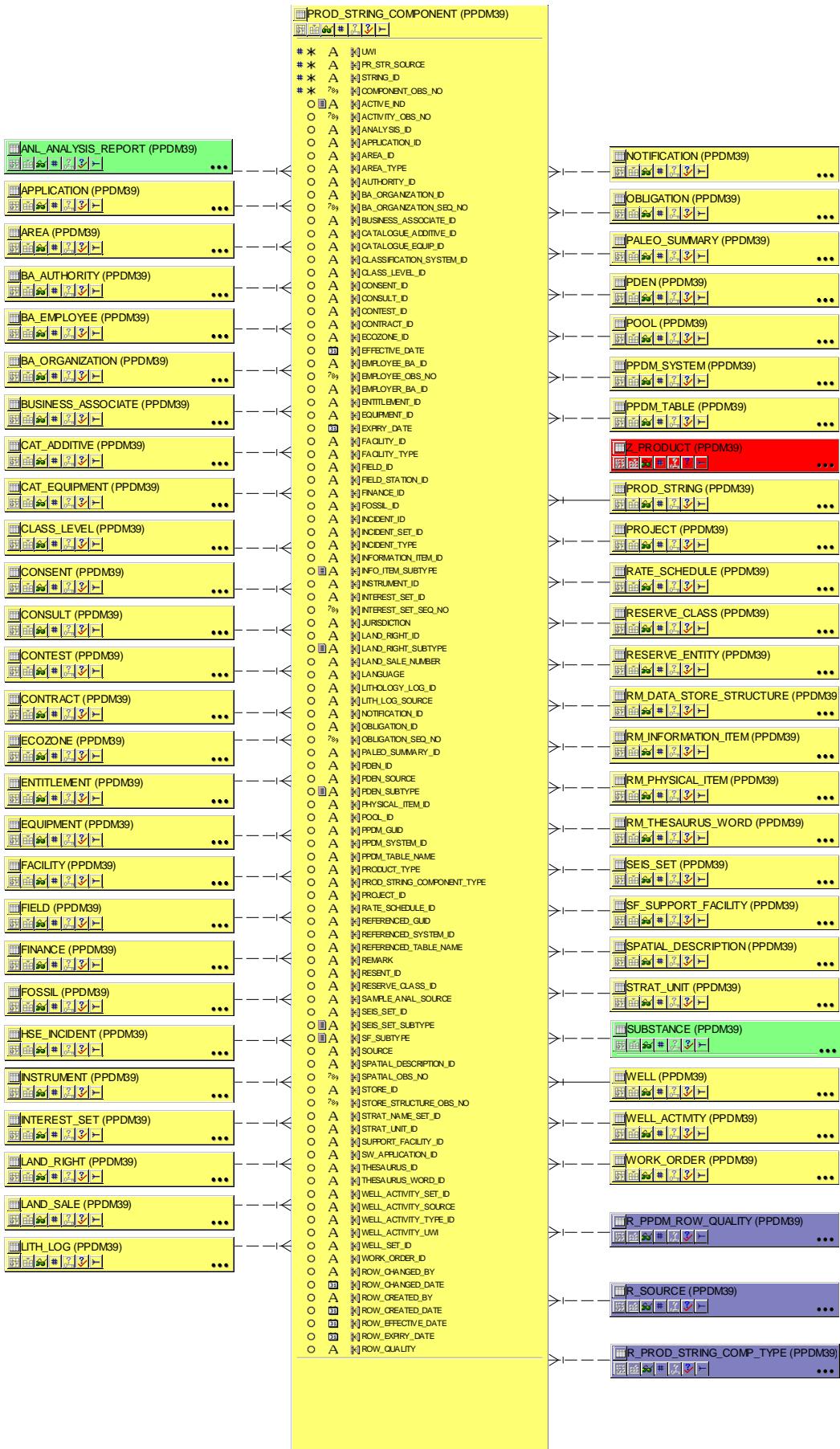
PALEO SUMMARY COMPONENTS



POOL COMPONENTS



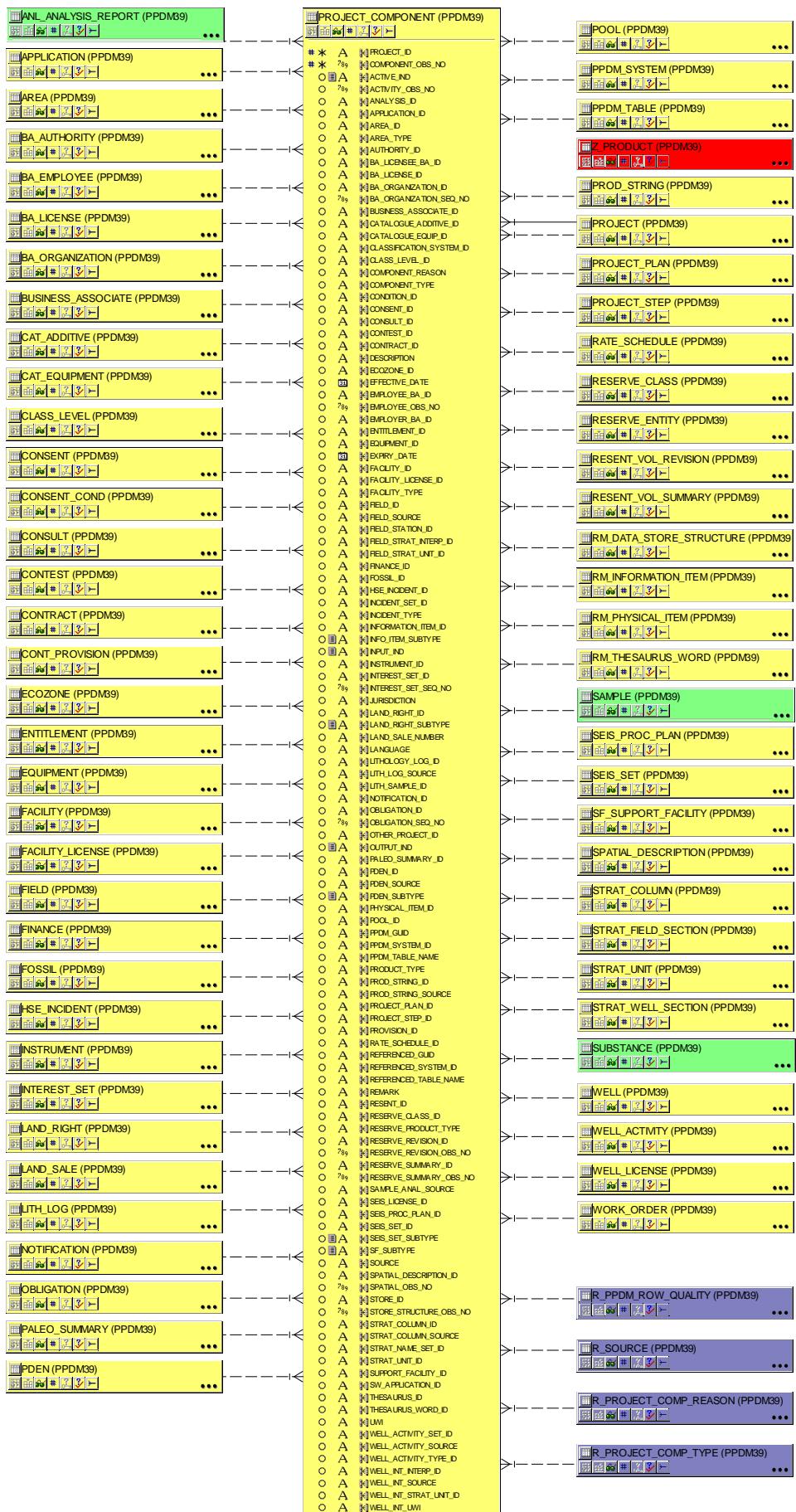
PRODUCTION COMPONENTS



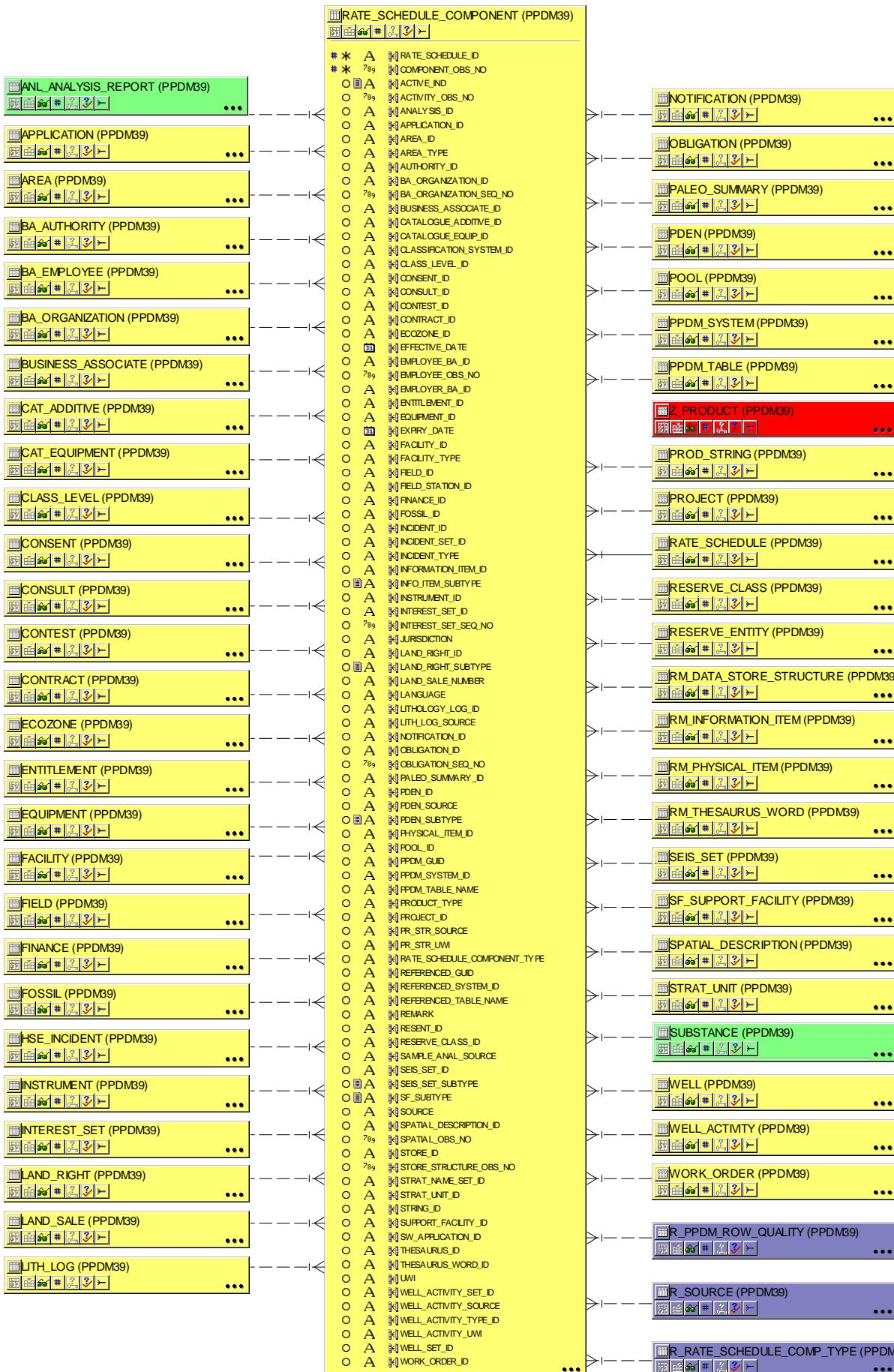
PRODUCTION ENTITY COMPONENTS



PROJECTS - COMPONENTS



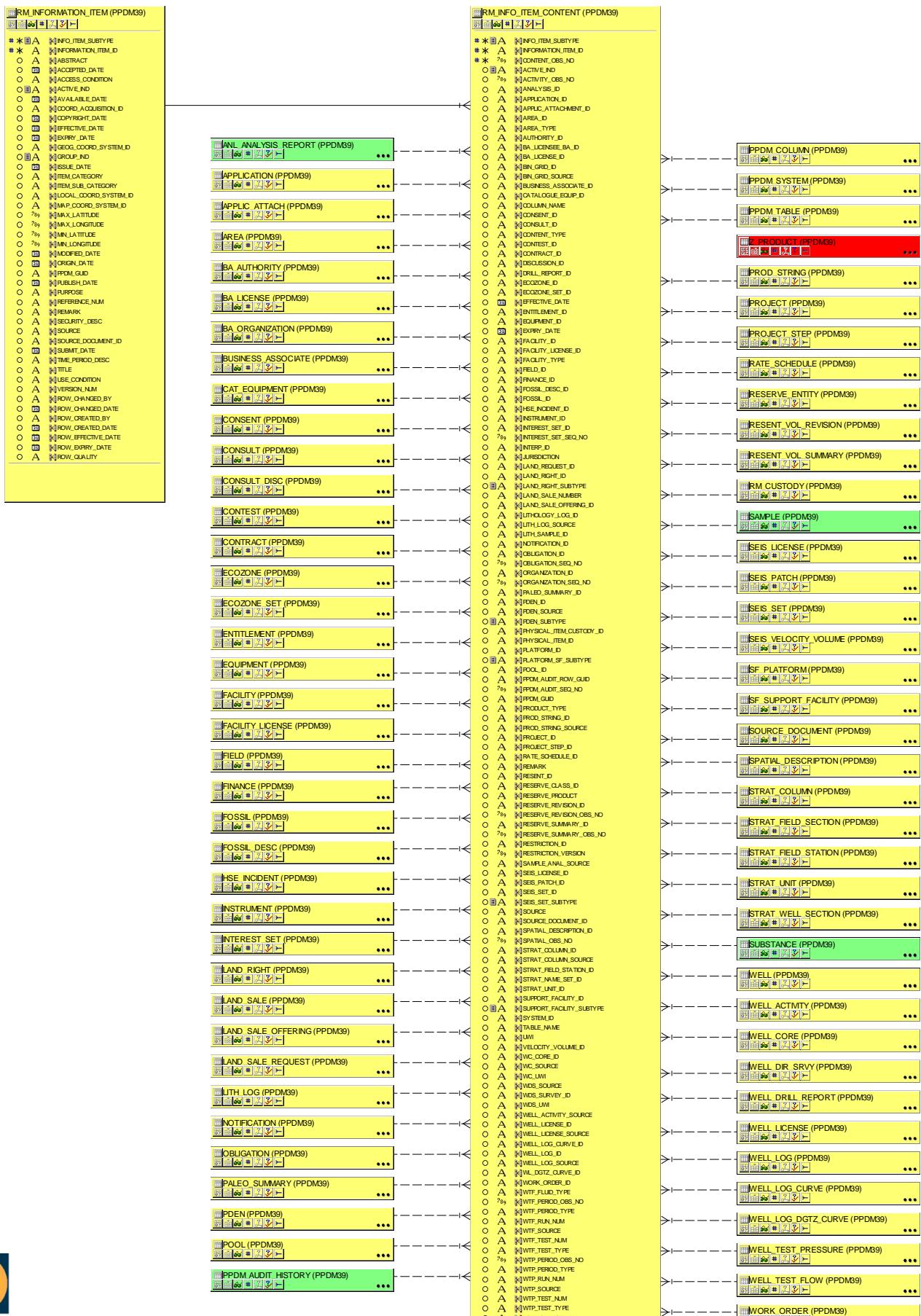
RATE SCHEDULE COMPONENTS



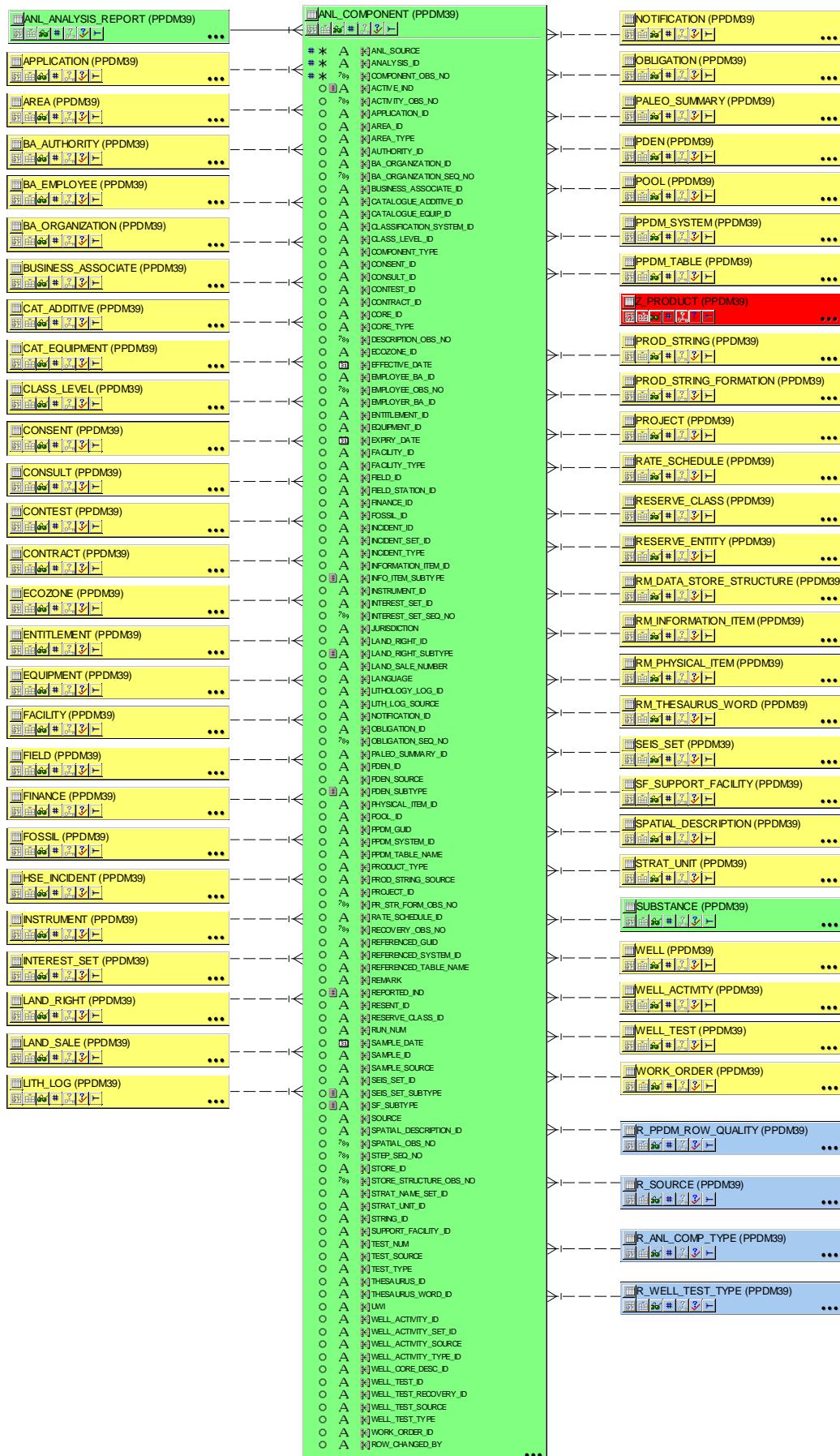
RESERVE ENTITY COMPONENTS



RM INFORMATION ITEM CONTENT



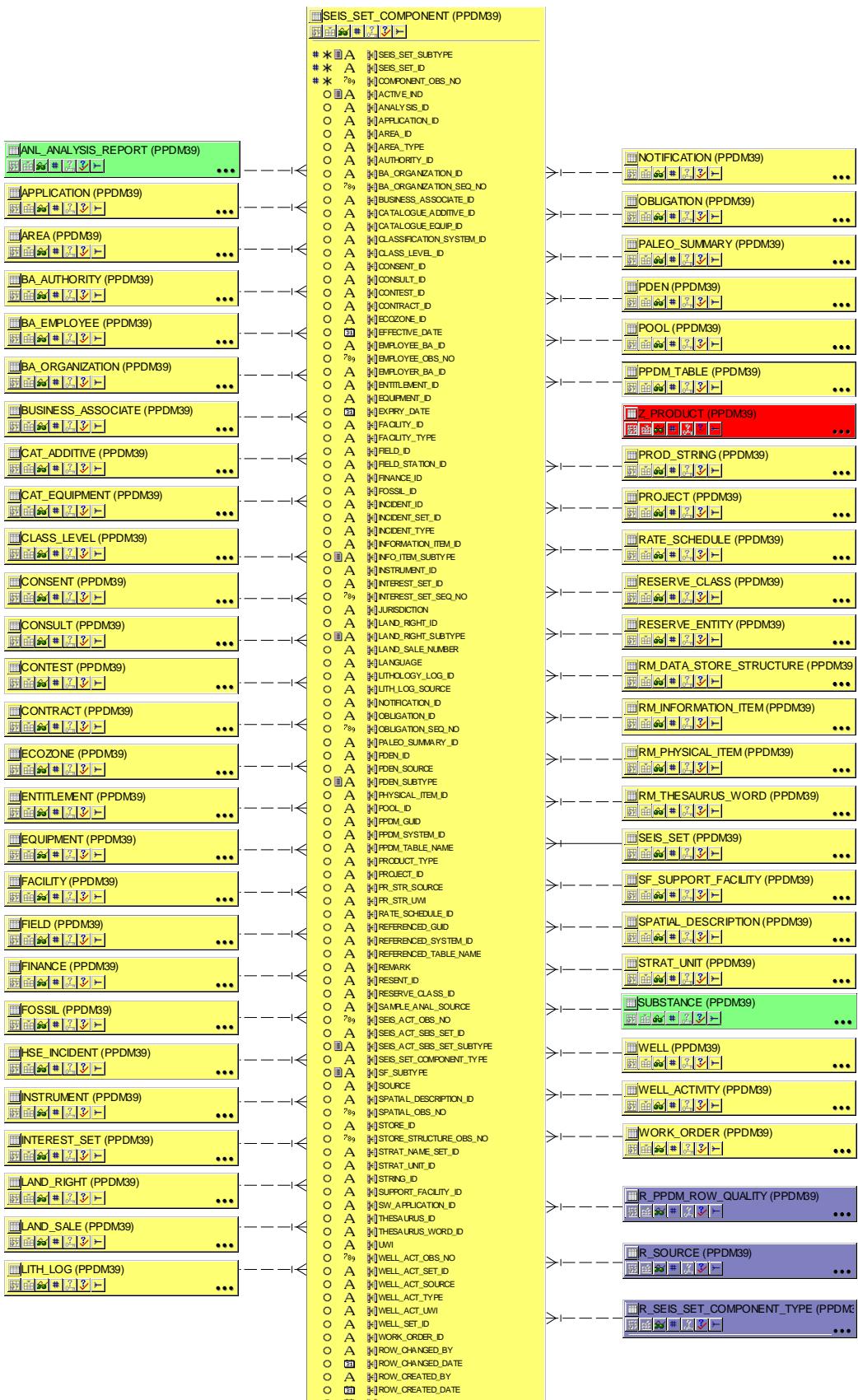
SAMPLE ANALYSIS: COMPONENTS



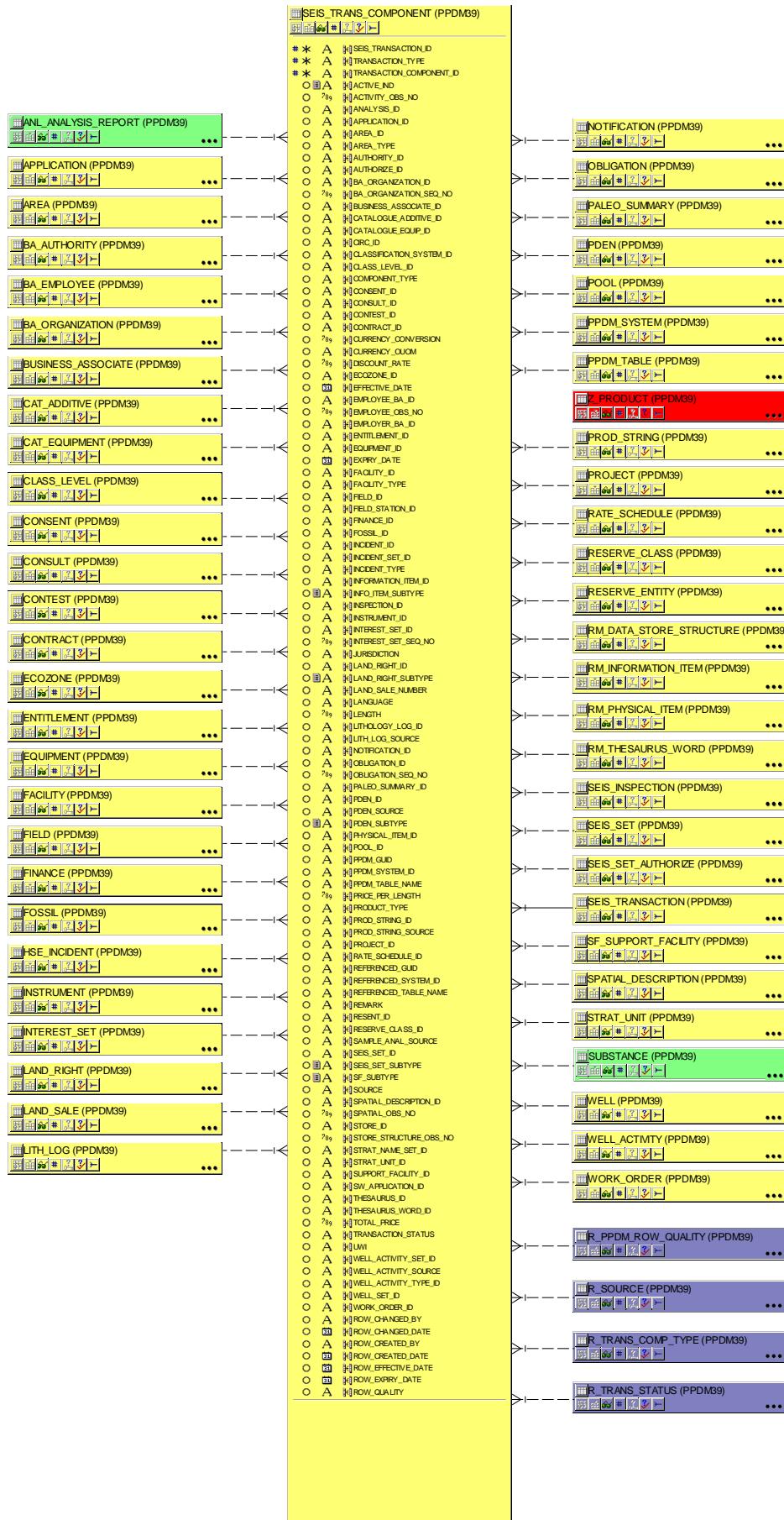
SEISMIC INSPECTION COMPONENTS



SEISMIC SET COMPONENTS



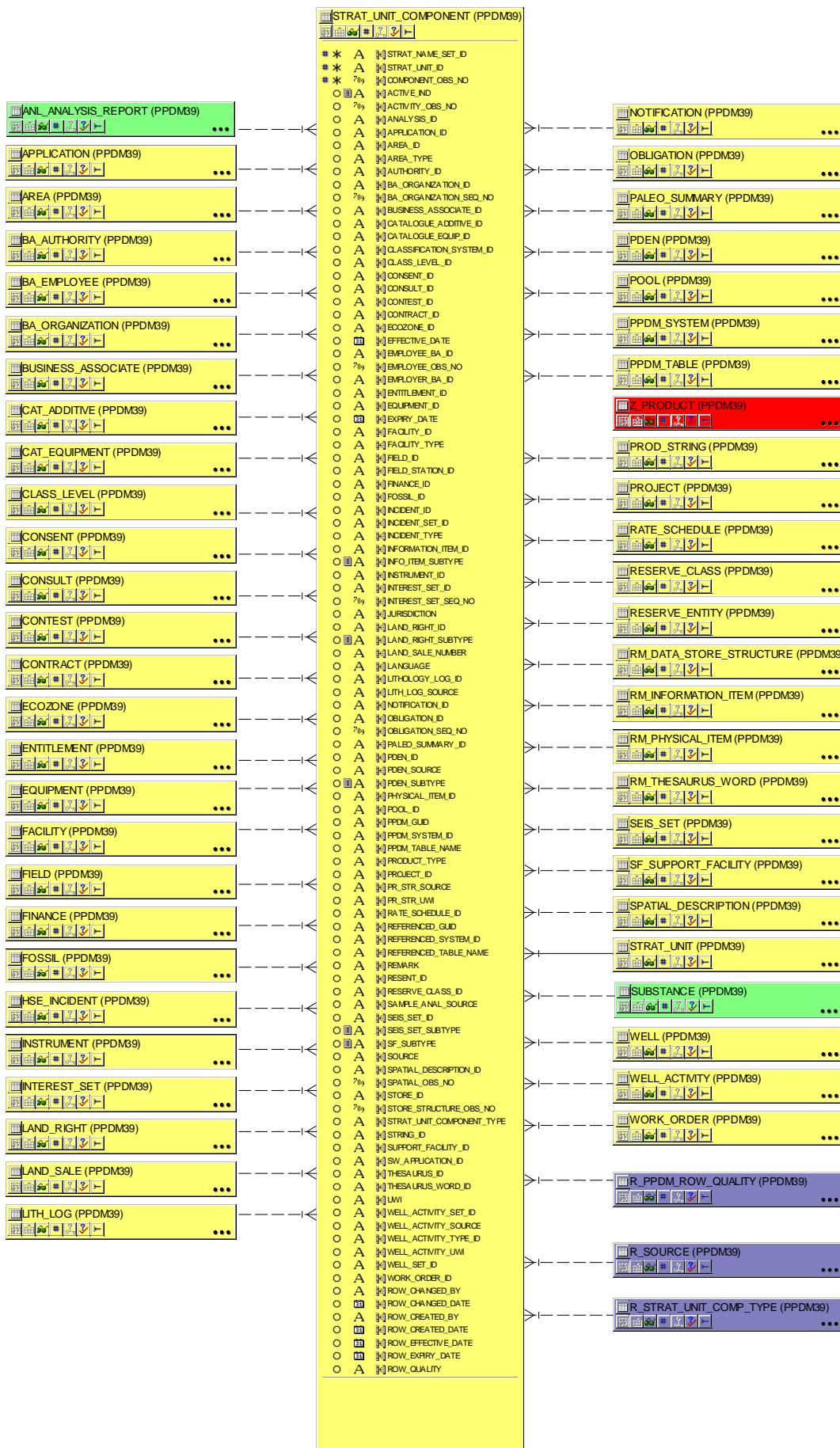
SEISMIC TRANSACTION COMPONENTS



SPATIAL DESCRIPTION COMPONENTS



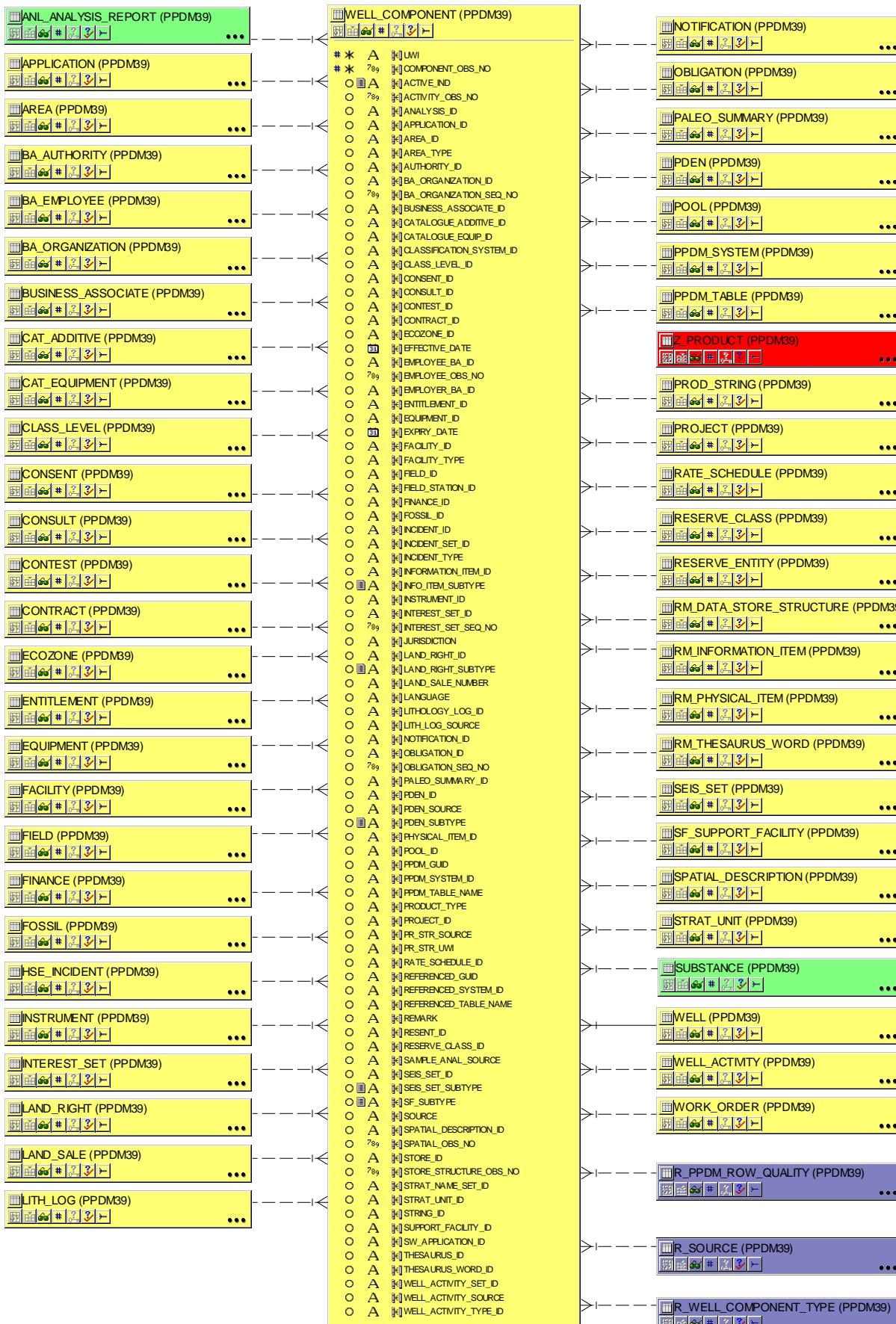
STRATIGRAPHY COMPONENTS



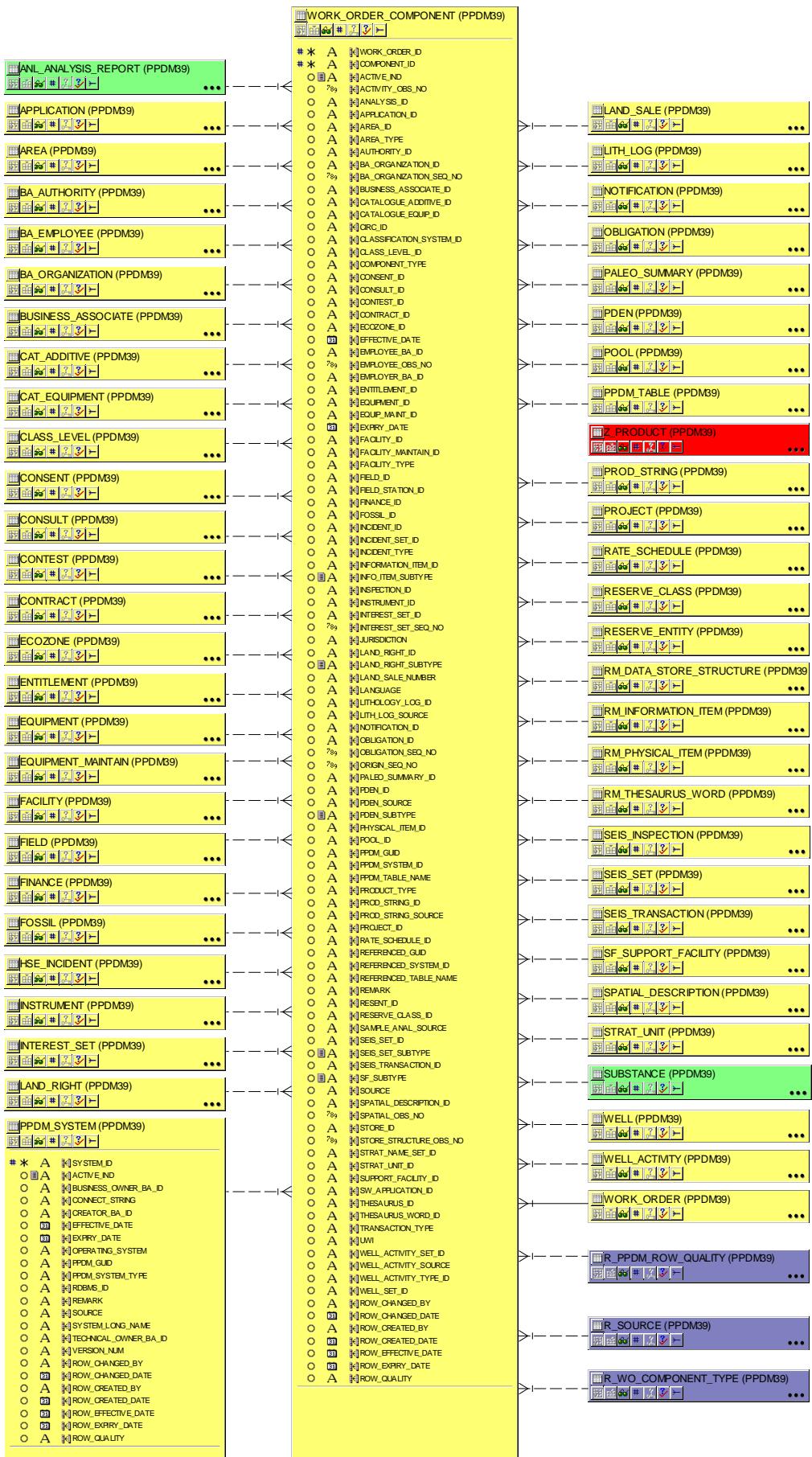
WELL ACTIVITY COMPONENTS



WELL COMPONENTS



WORK ORDER COMPONENTS



Deprecated Tables

These tables HAVE been Deleted in PPDM 3.9

- Z_PDEN_GAS_ANALYSIS
- Z_PDEN_GAS_ANAL_DETAIL
- Z_PDEN_OIL_ANALYSIS
- Z_PDEN_OIL_VISCOSITY
- Z_PDEN_VOL_BY_DAY
- Z_PDEN_VOL_BY_MONTH
- Z_PDEN_WATER_ANALYSIS
- Z_PDEN_WATER_ANAL_DTL
- Z_R_CITY
- Z_R_COUNTRY
- Z_R_COUNTY
- Z_R_DISTRICT
- Z_R_GEOGRAPHIC_REGION
- Z_R_GEOLOGIC_PROVINCE
- Z_R_LAND_DISTRICT
- Z_R_PROVINCE_STATE
- Z_R_WELL_ACTIVITY_TYPE
- Z_WELL_DRILL_STATUS
- Z_WELL_EVENT
- Z_WELL_GAS_ANALYSIS
- Z_WELL_GAS_ANAL_DETAIL
- Z_WELL_OIL_ANALYSIS
- Z_WELL_OIL_VISCOSITY
- Z_WELL_TOUR_OCCURRENCE
- Z_WELL_WATER_ANALYSIS
- Z_WELL_WATER_ANAL_DTL
- Z_CONT_DISTRICT
- Z_CONT_PROV_STATE
- Z_CONT_COUNTY

These tables will be deleted in the NEXT version of PPDM

- Z_PRODUCT
- Z_PRODUCT_COMPOSITION
- Z_R_OIL_BASE_TYPE
- Z_R_OIL_TYPE
- Z_R_SAMPLE_WATER_TYPE
- Z_R_WATER_TYPE