

2017.1 Full Data Model

Creado por Steve Tomich el jul 21, 2017

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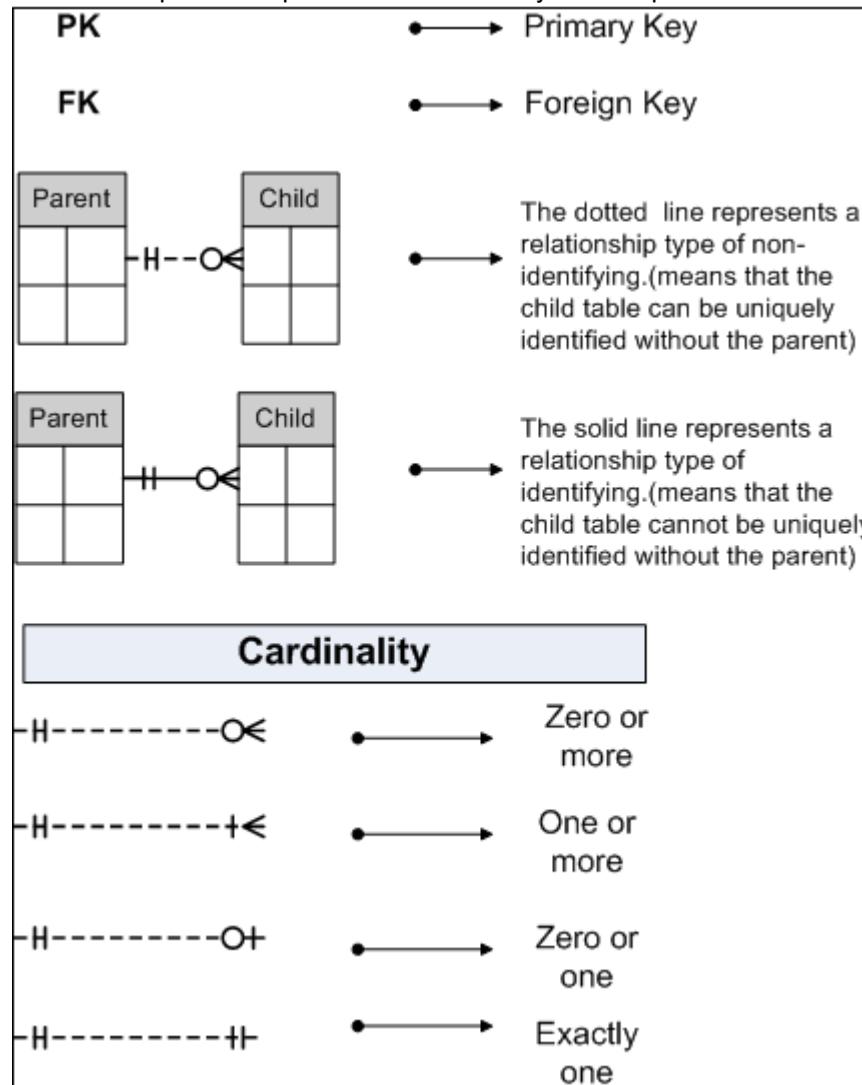
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Overview

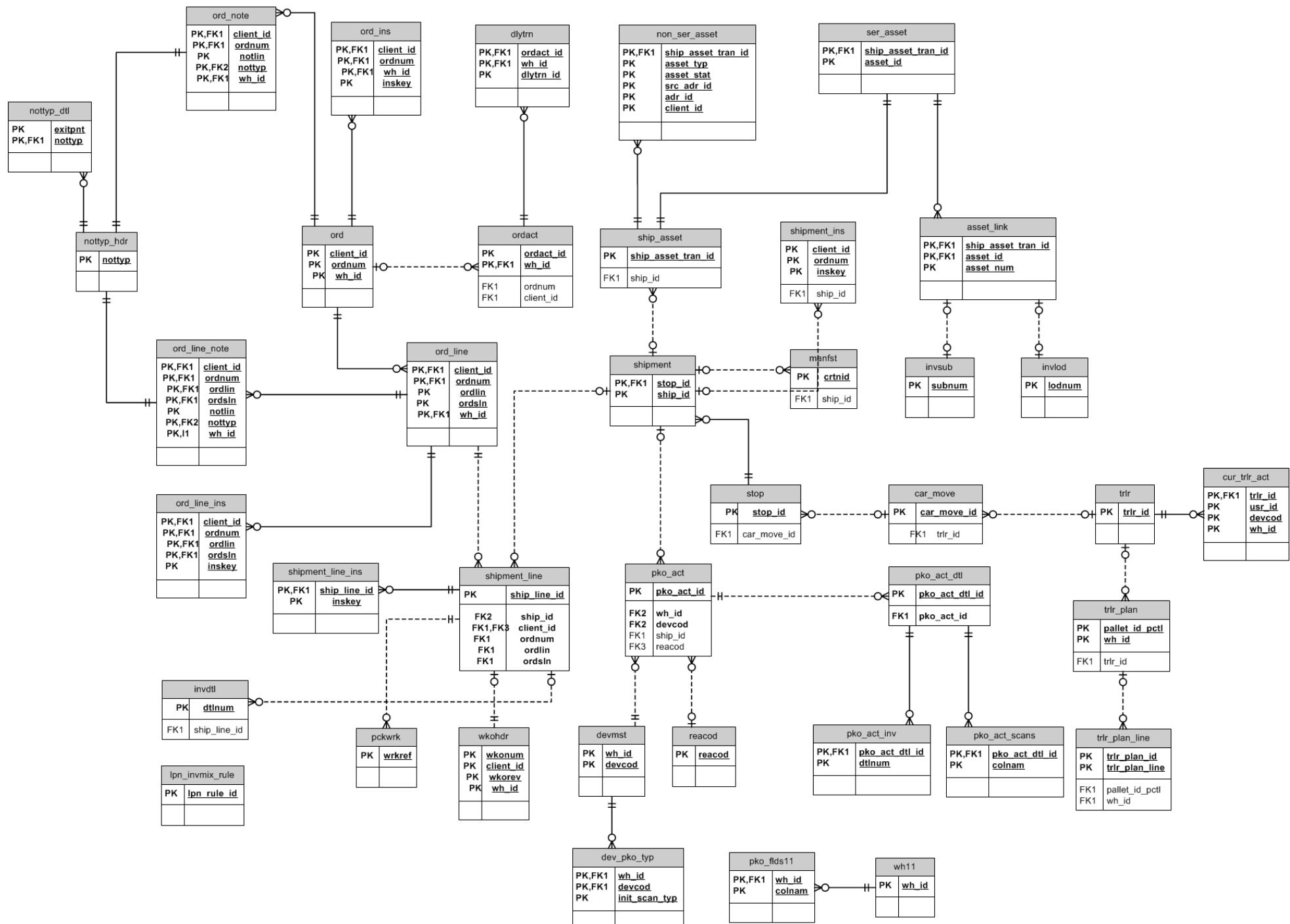
This document contains the database relationships for the the Warehouse Applications product suite.

Key Definition

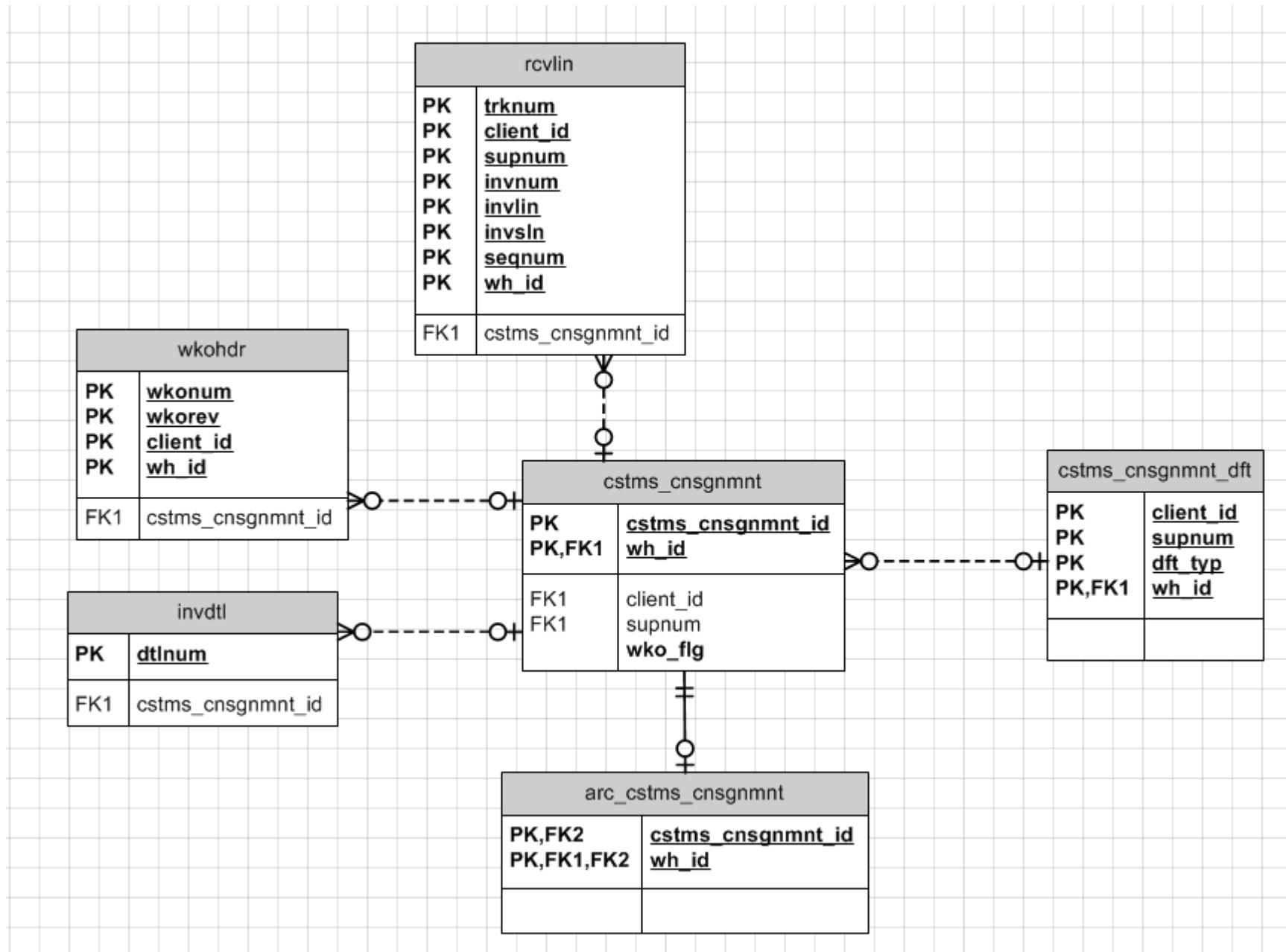
Below is the pictorial representation of what symbols represent on the lines that connect the entities.



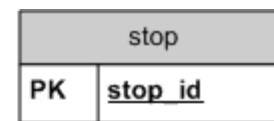
ERD Outbound

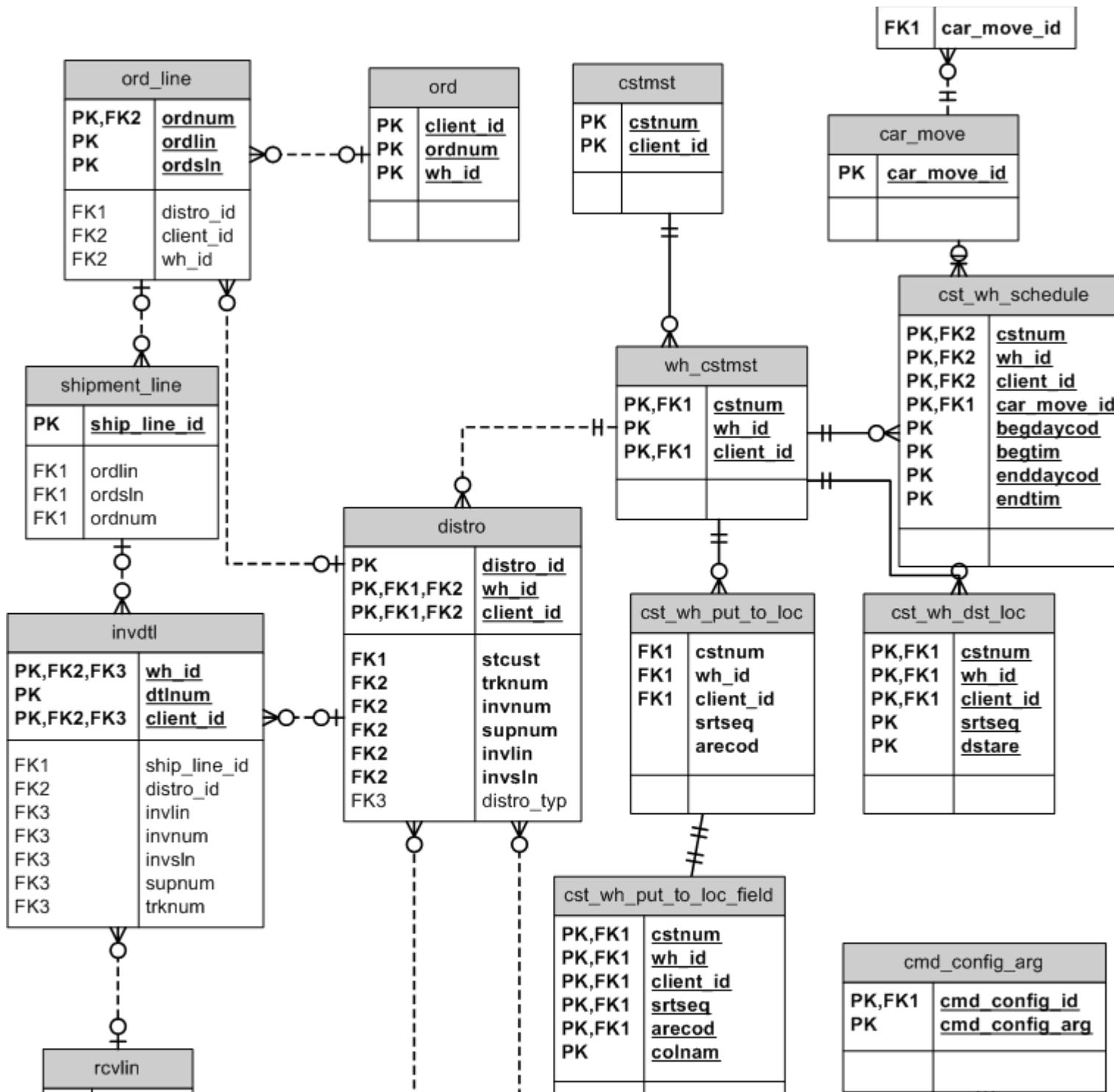


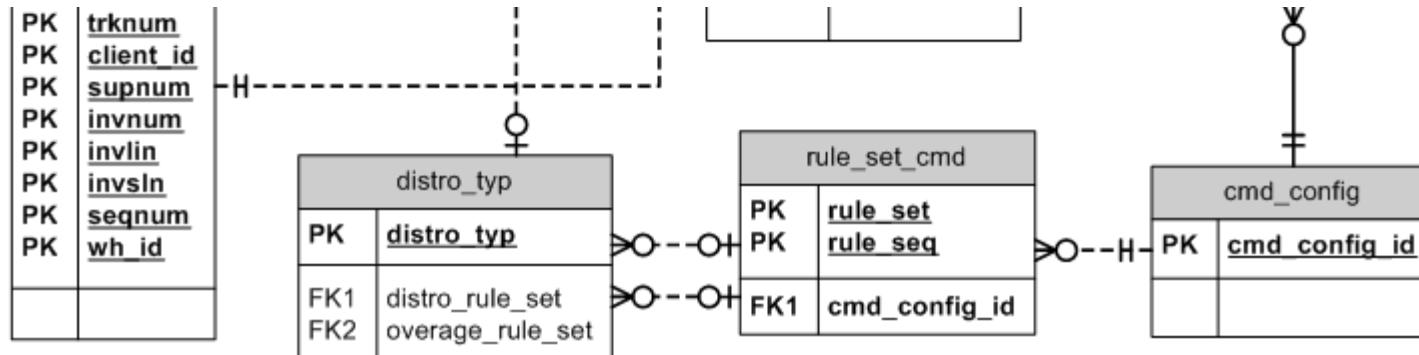
ERD Inbound Duty Management



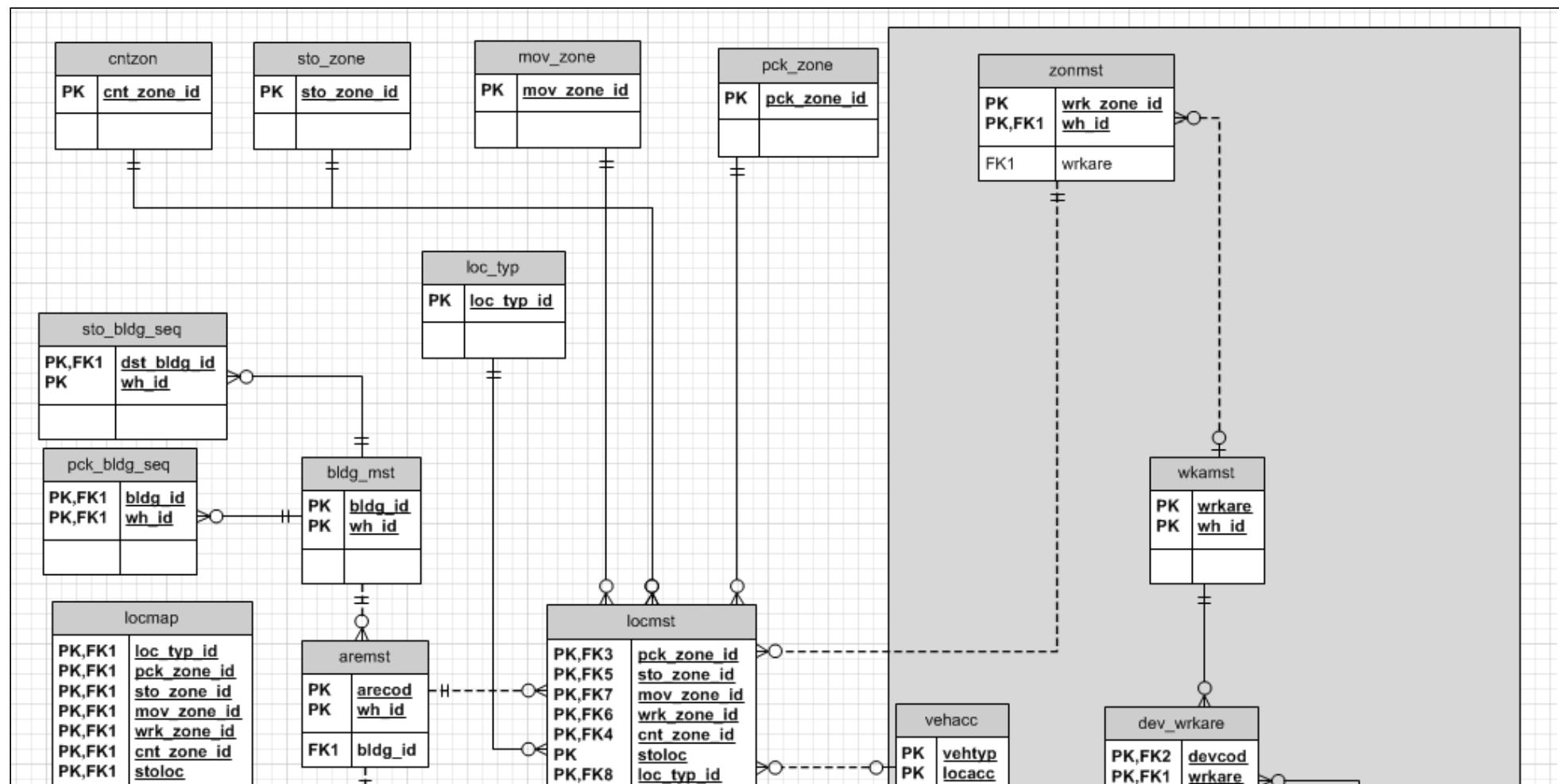
ERD Distro

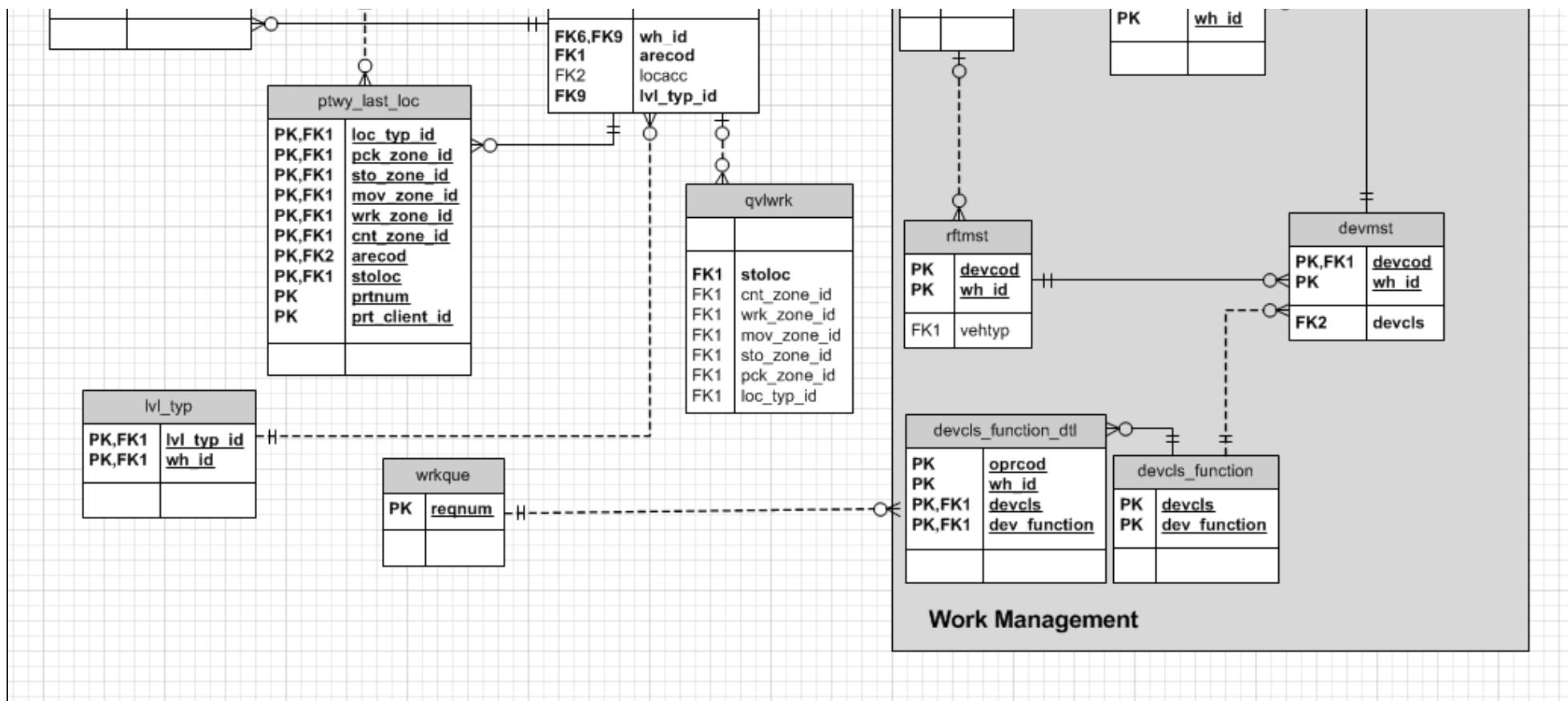




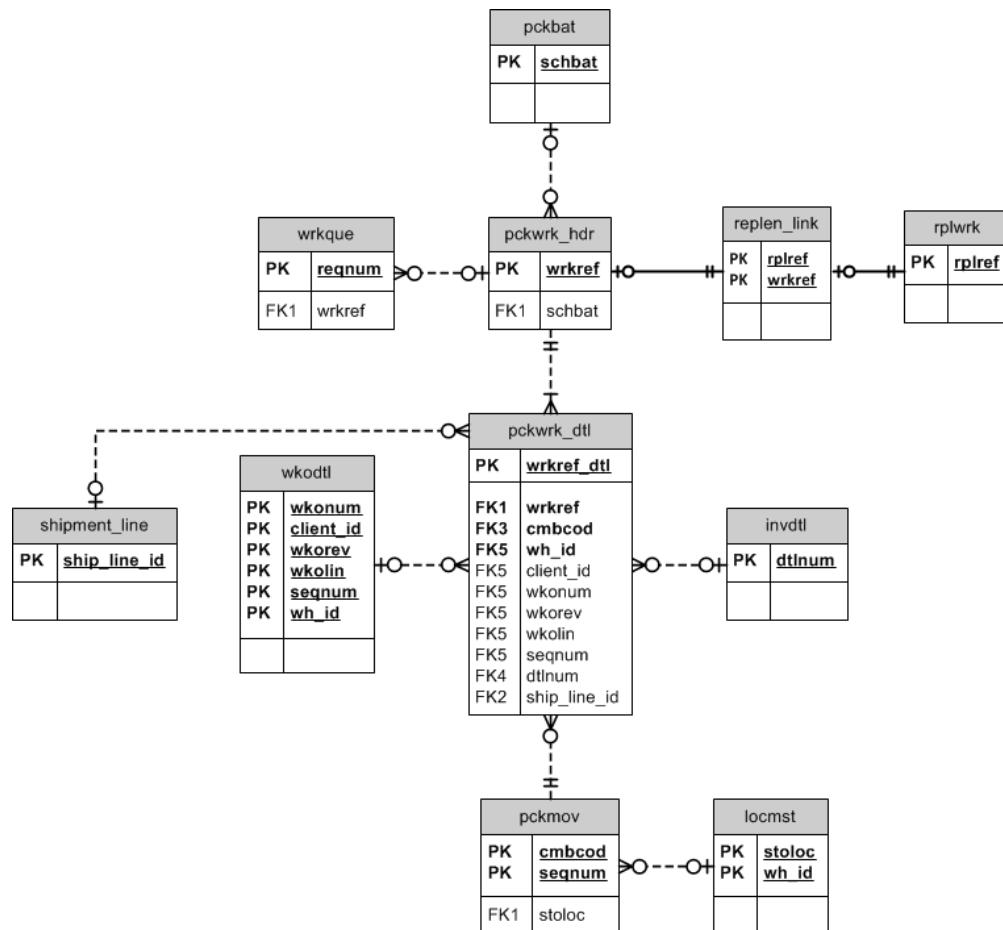


ERD Location





ERD Picking

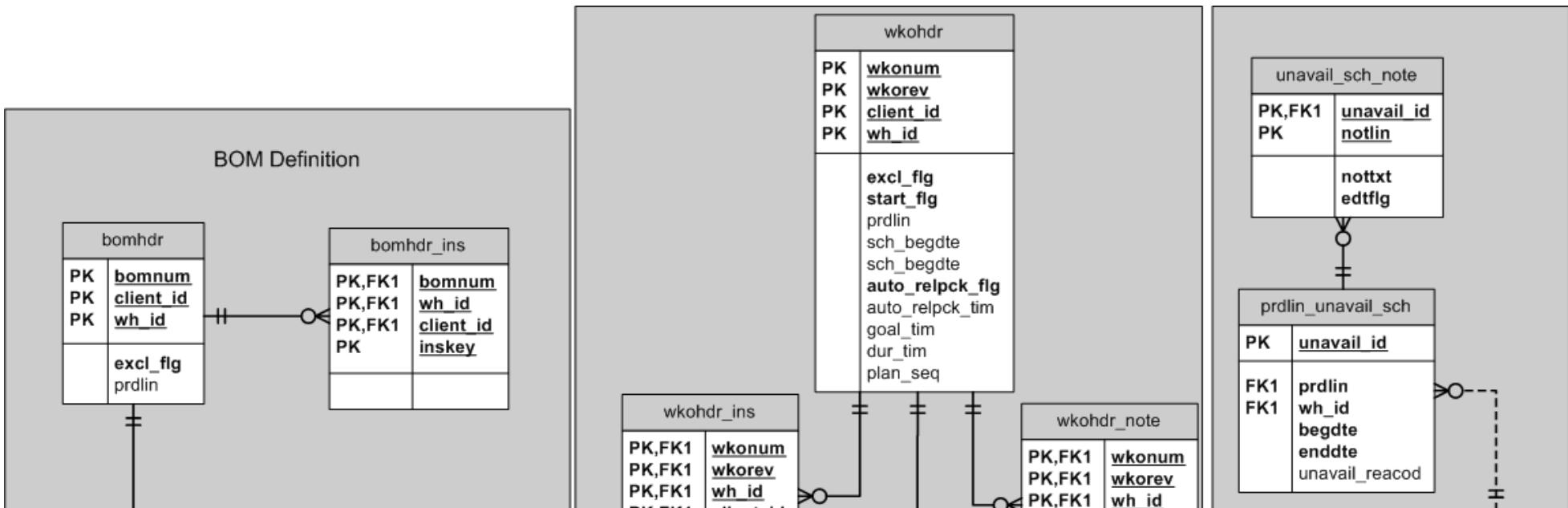


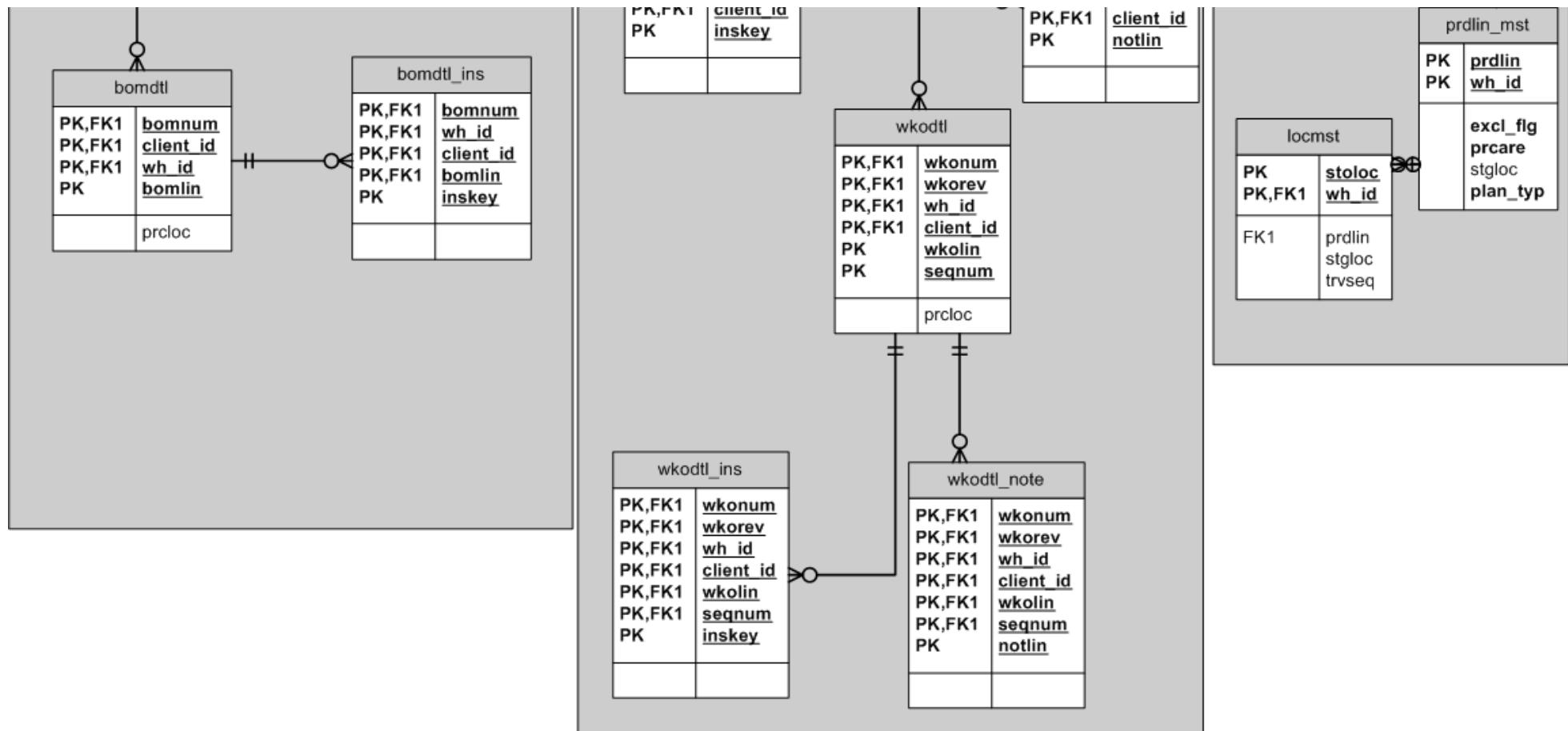
ERD UOM Pick Exception Track

Track UOM picking exceptions when using WLM

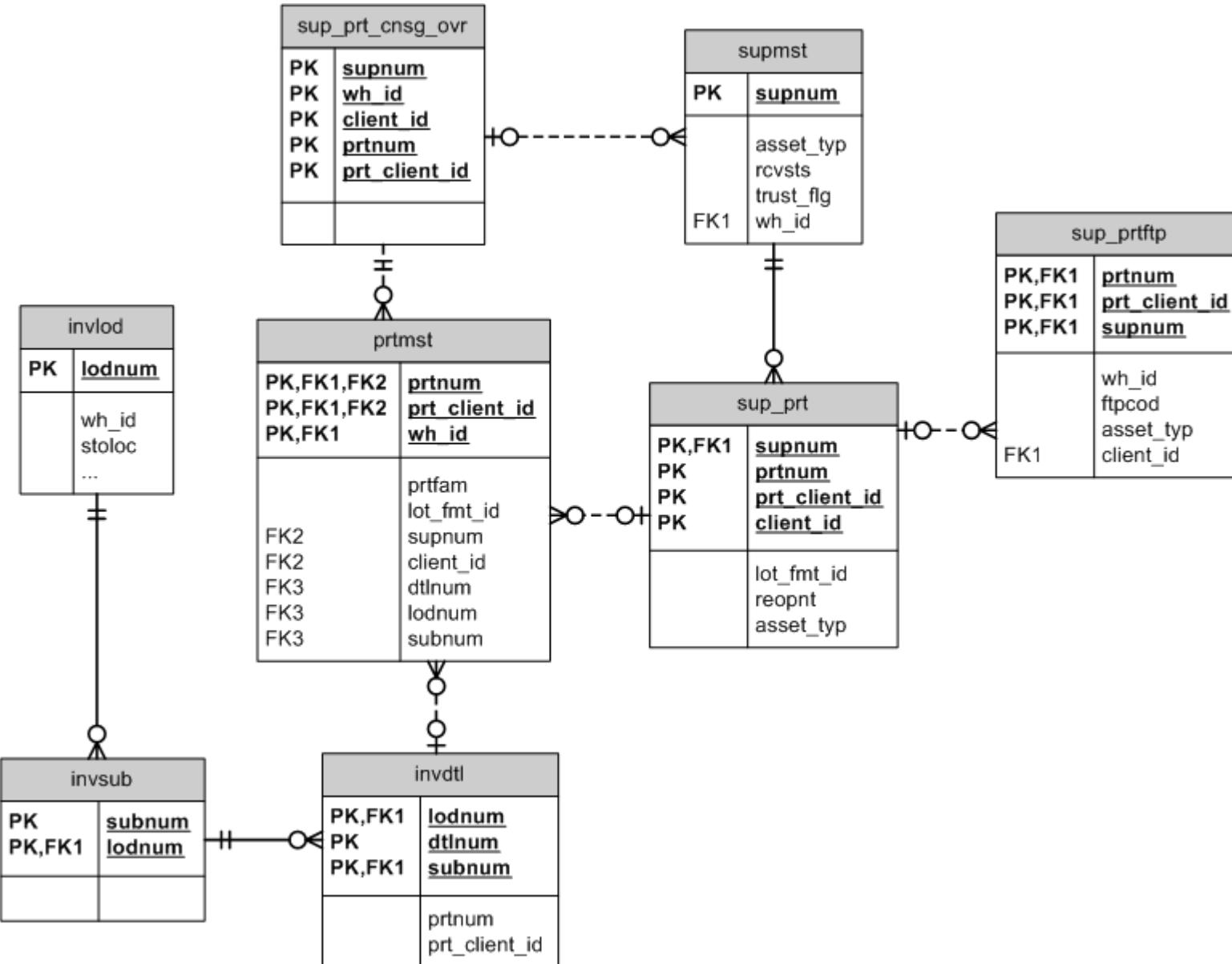
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PK	excp_id
	wh_id
	wrktyp
	pckqty
	act_pckqty
	lodlvl
	ftpcod
	untpal
	untlay
	untcas
	untpak
	pck_uom
	uomcod
	trndte
	usr_id
	lmsasn
	grpseq

ERD Work Orders

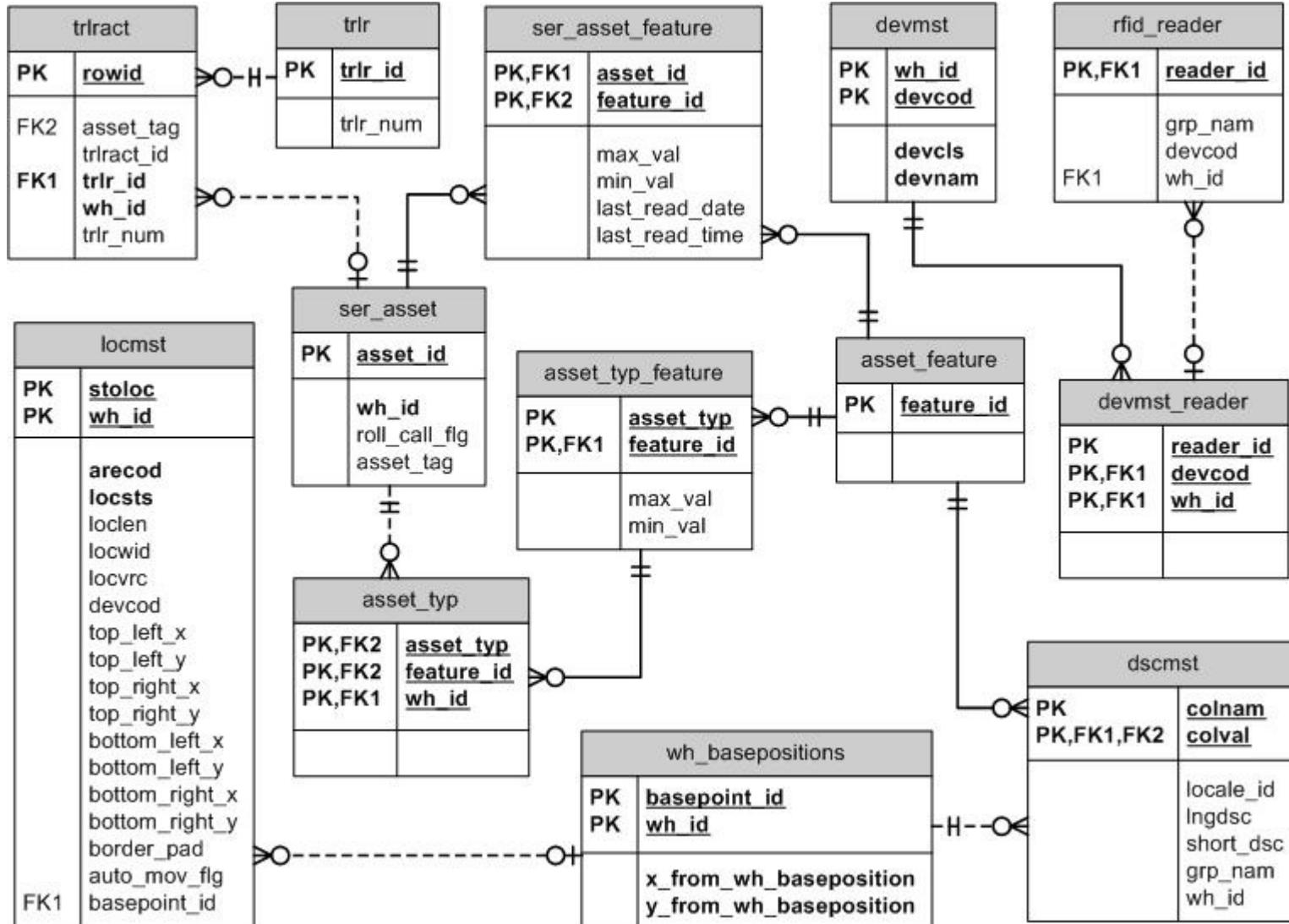




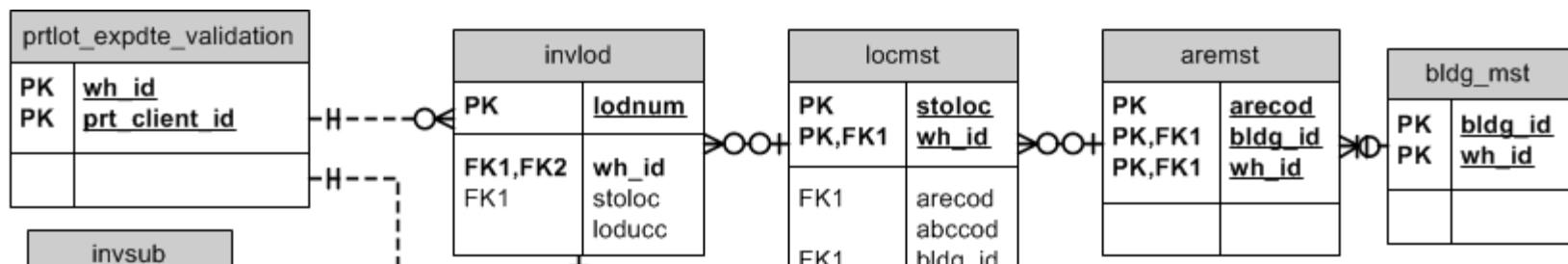
ERD Supplier Items

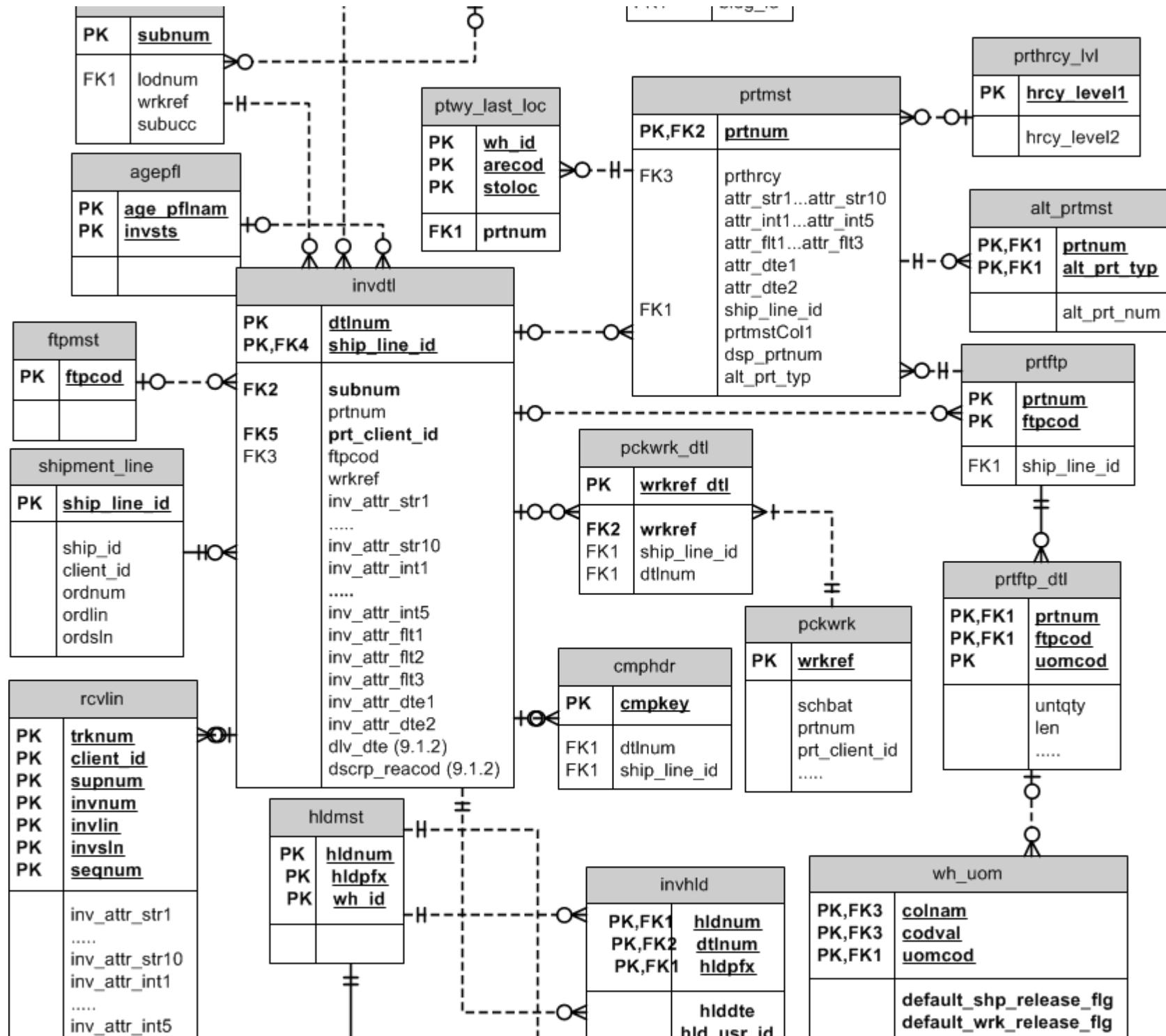


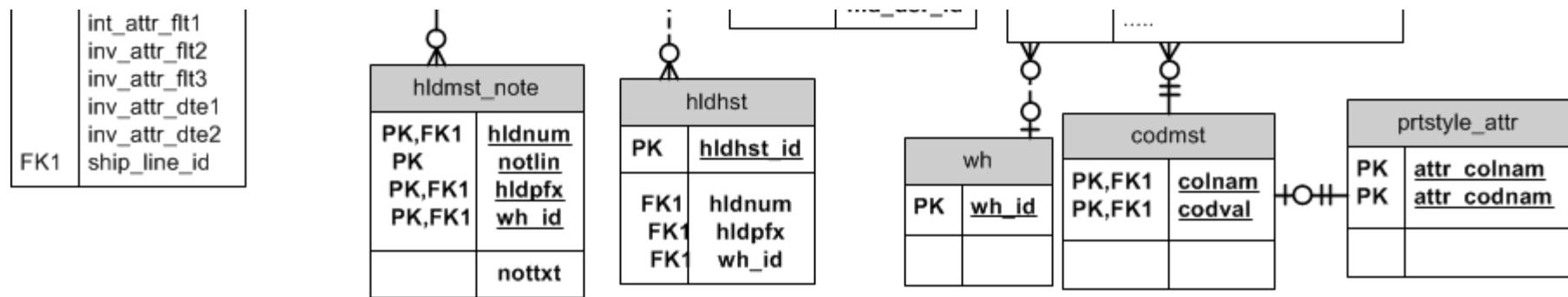
ERD RFID Yard



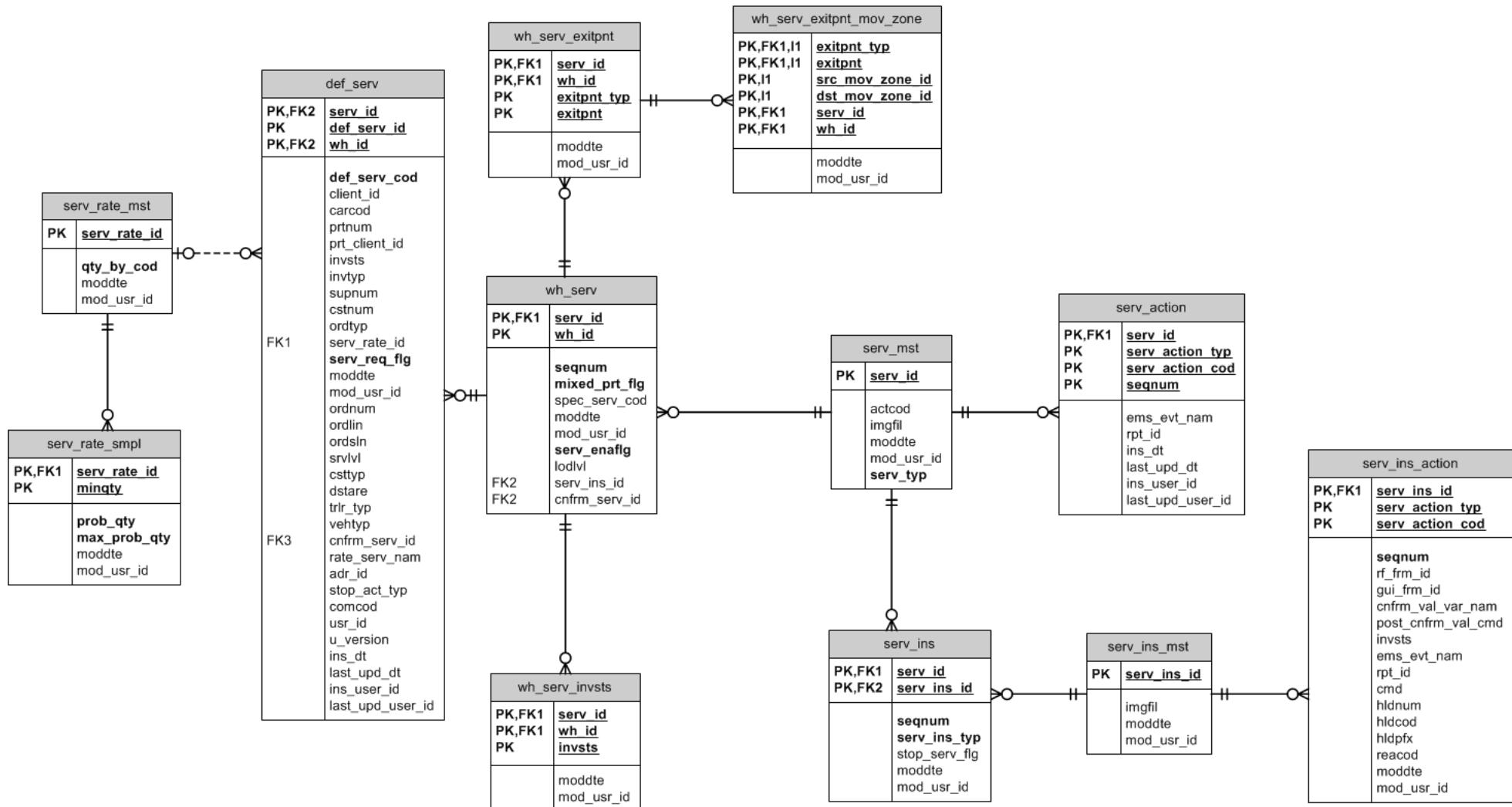
ERD Inventory





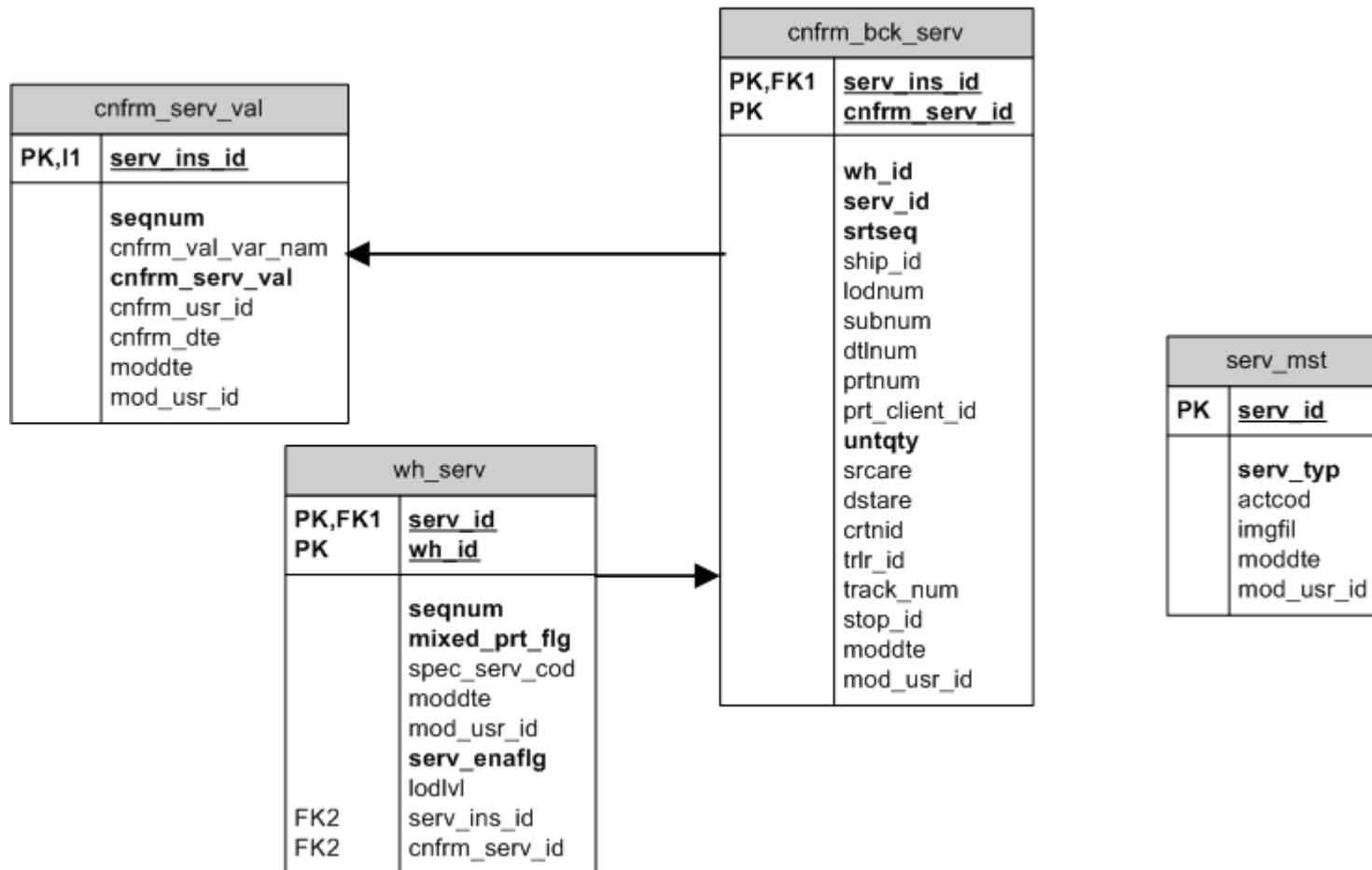


ERD Service Configuration

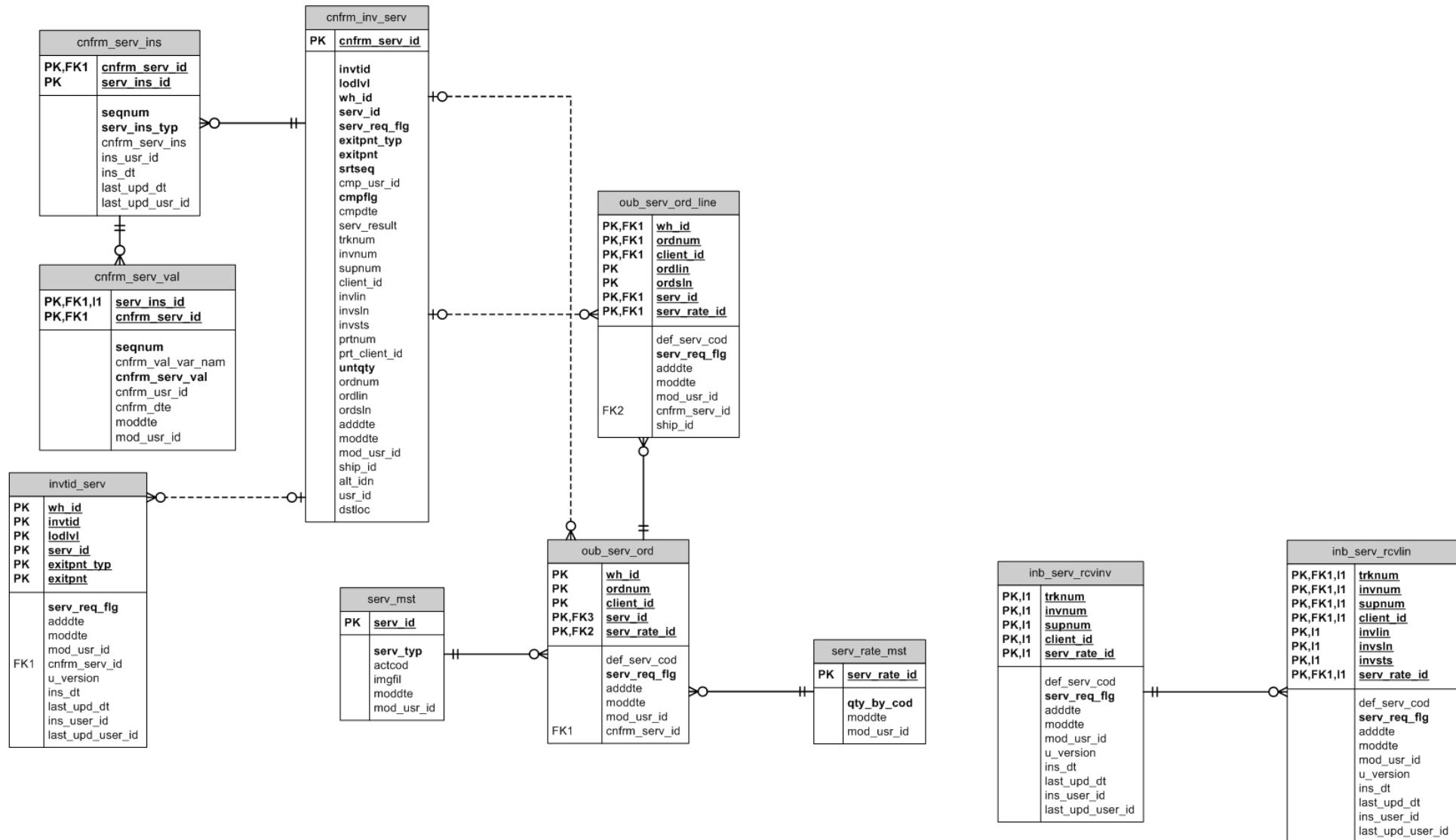


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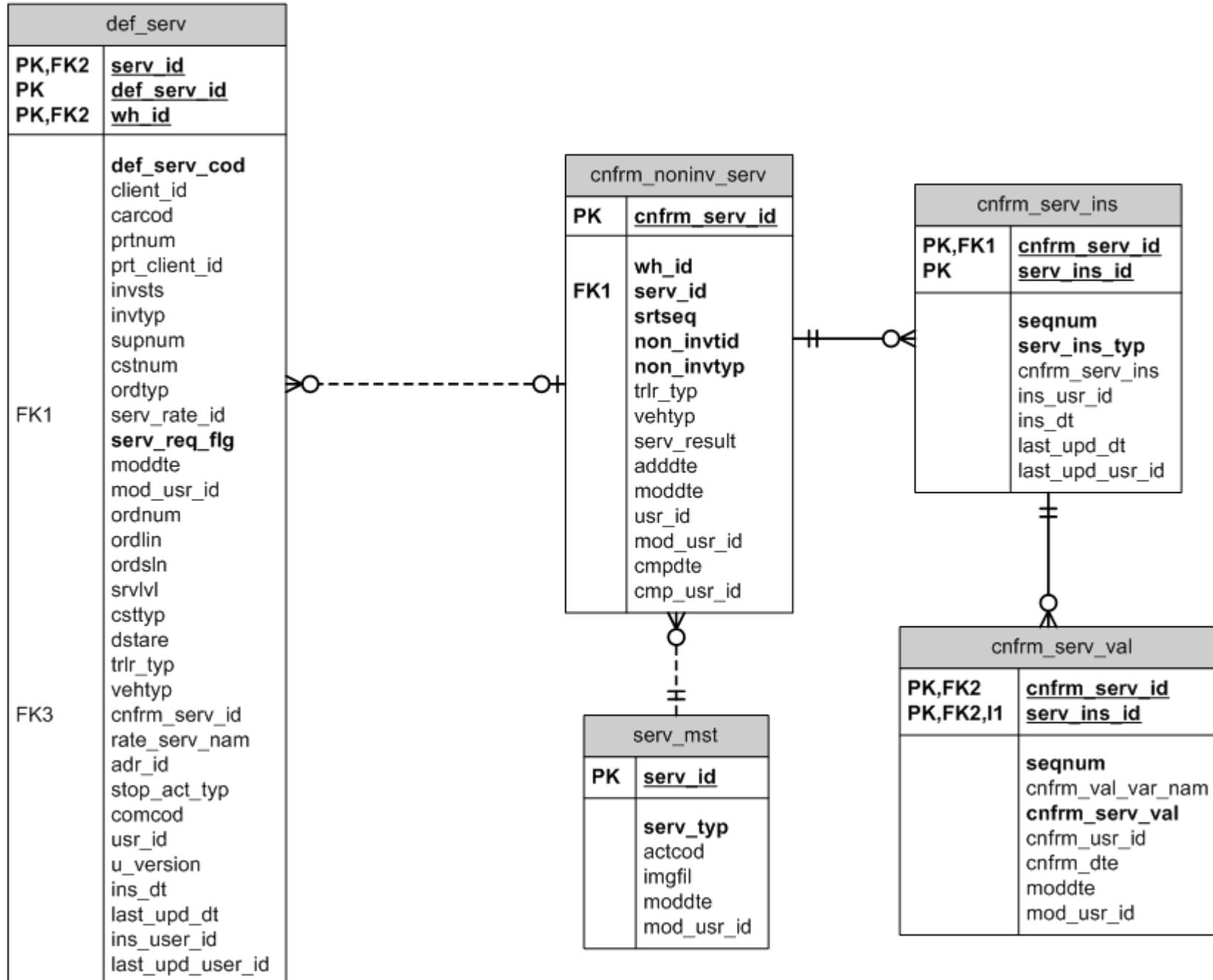
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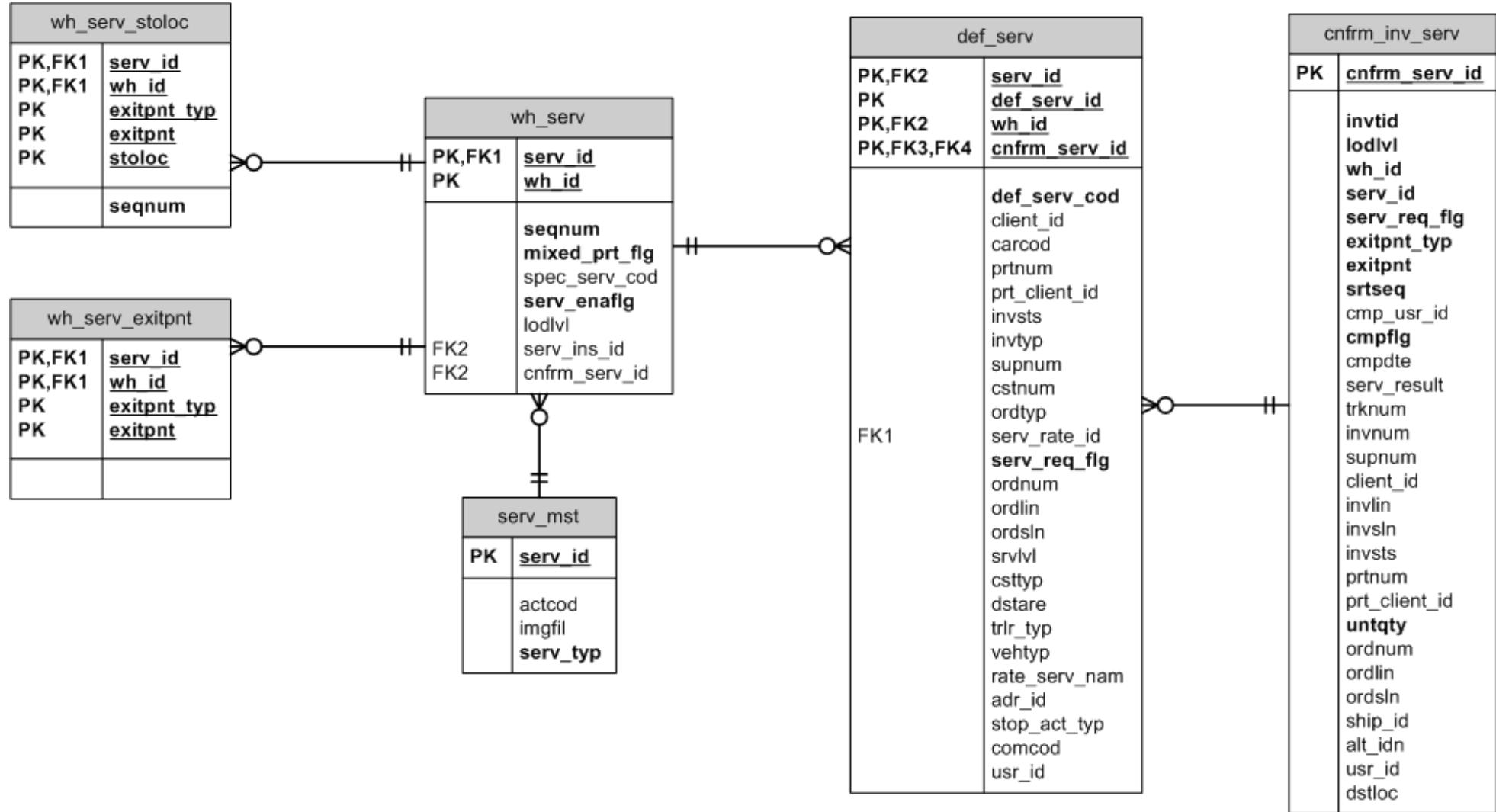
ERD Inventory Service



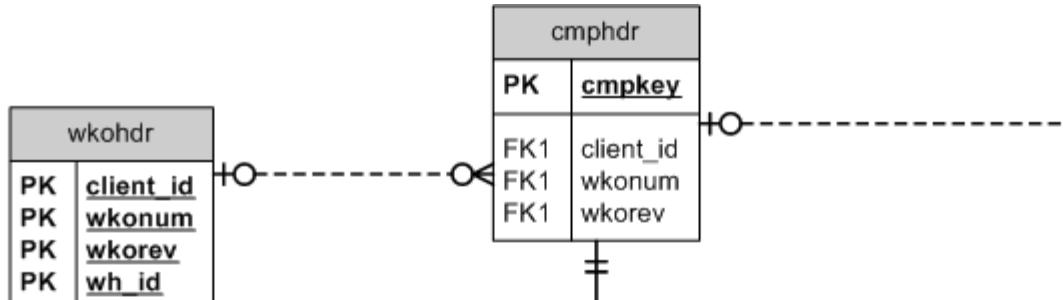
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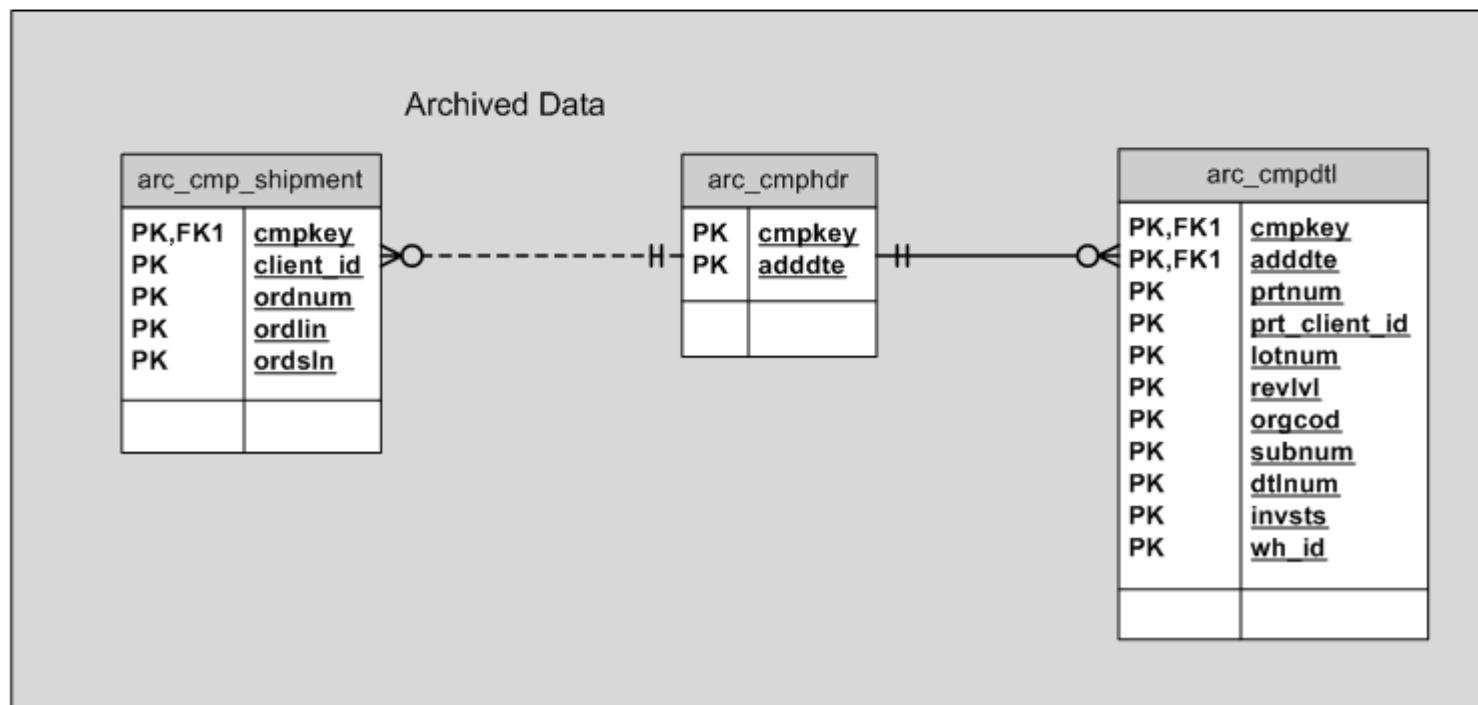
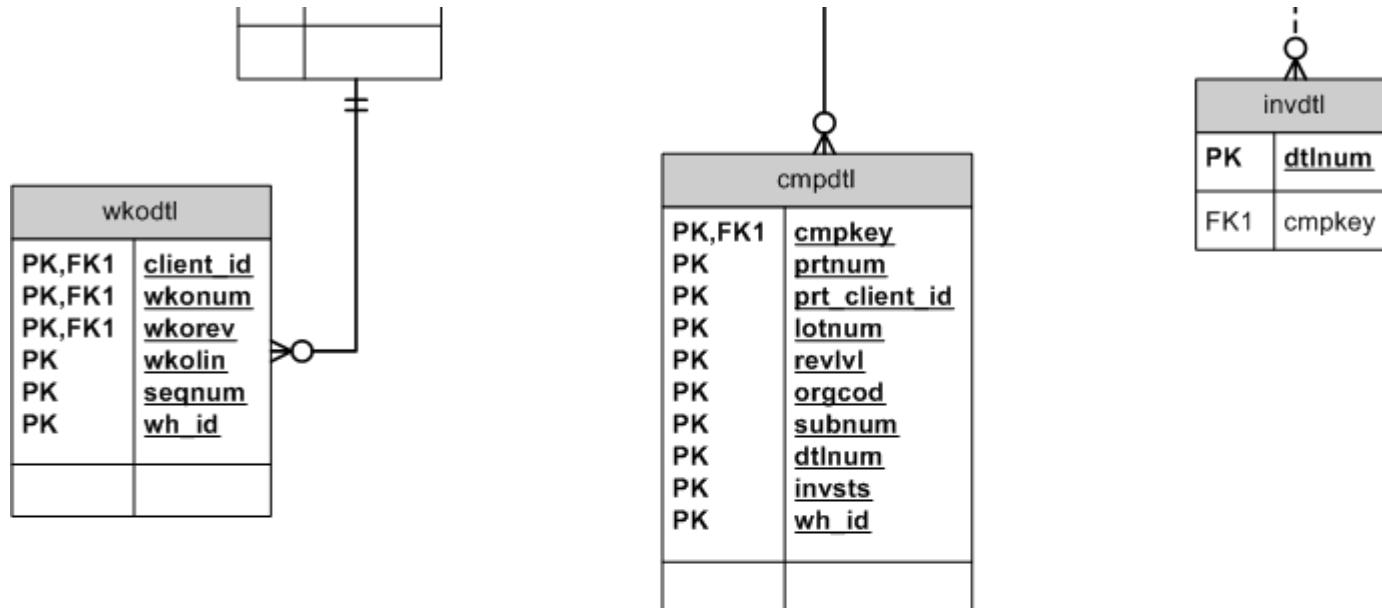


ERD RF User Service

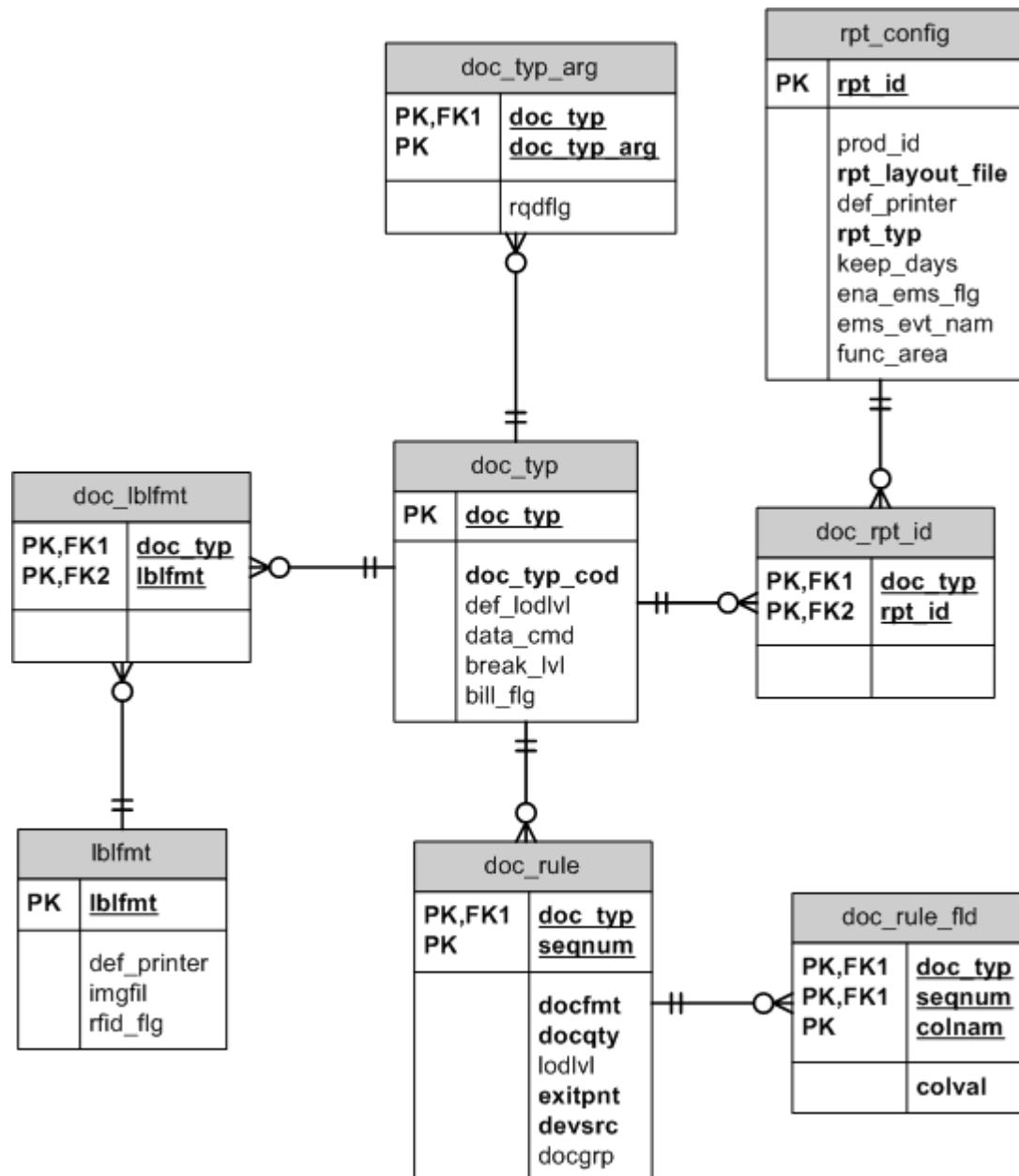


ERD Component Tracking

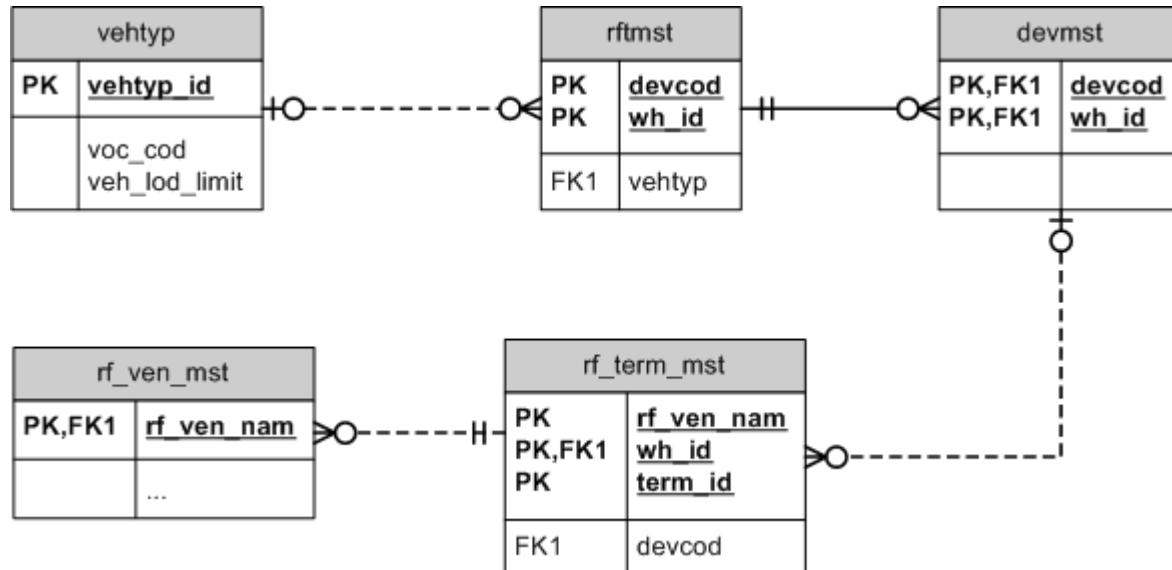




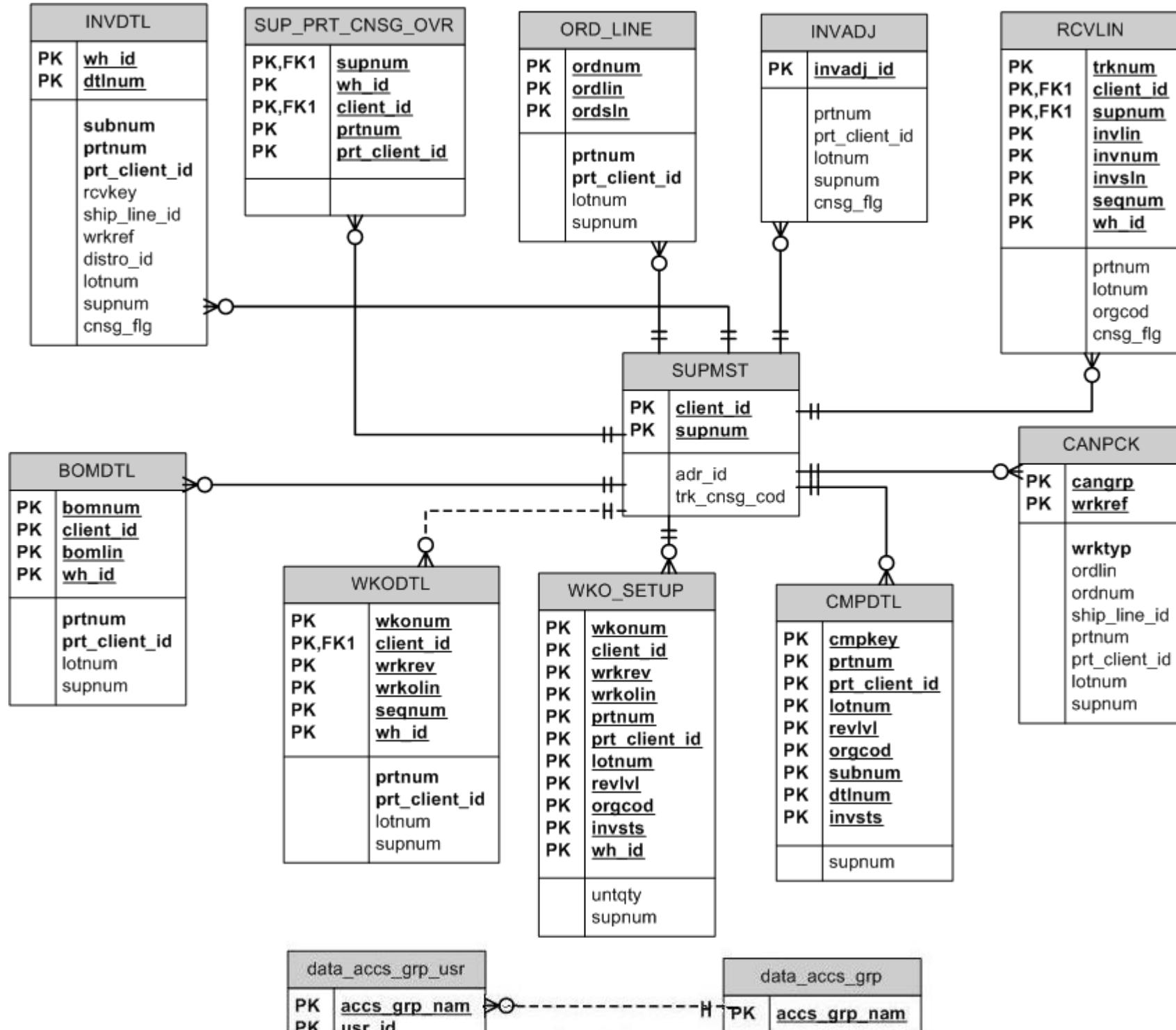
ERD Label Compliance

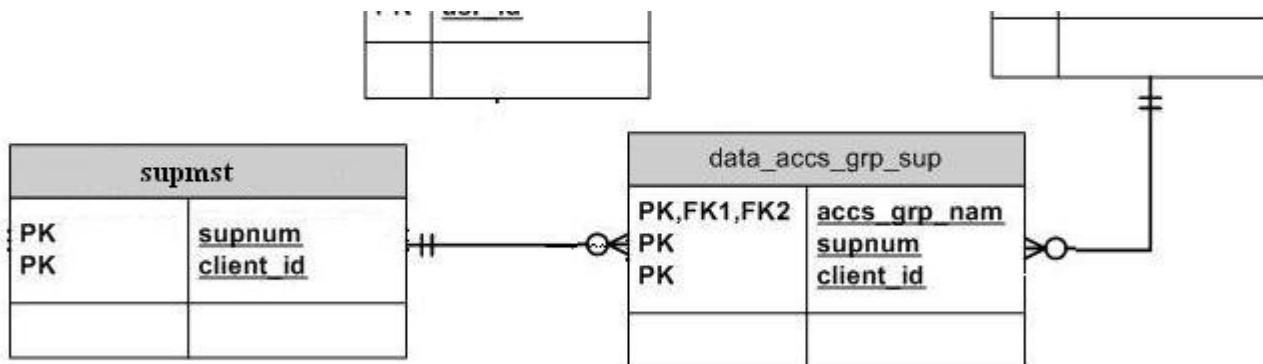


ERD Vehicle Limit

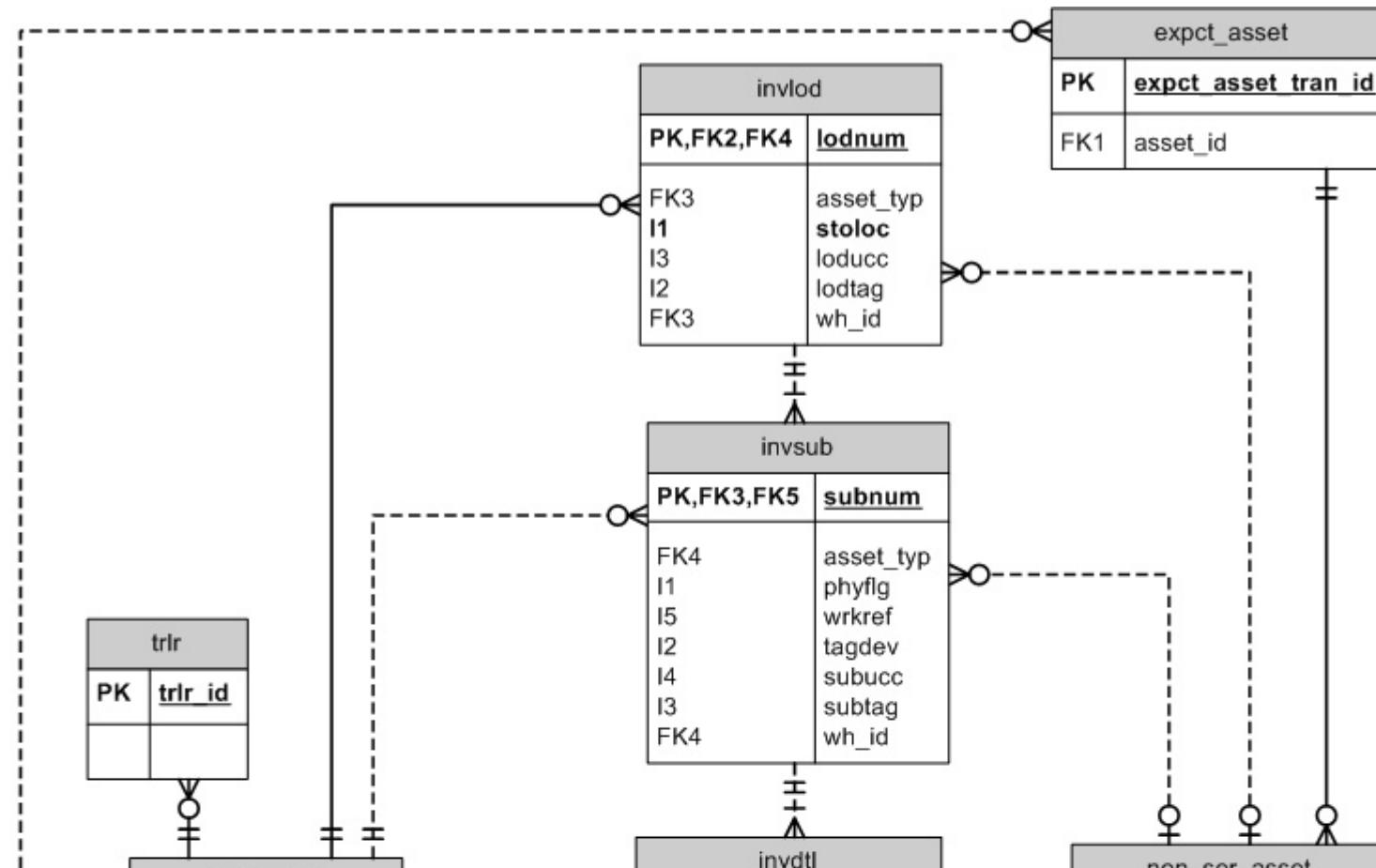


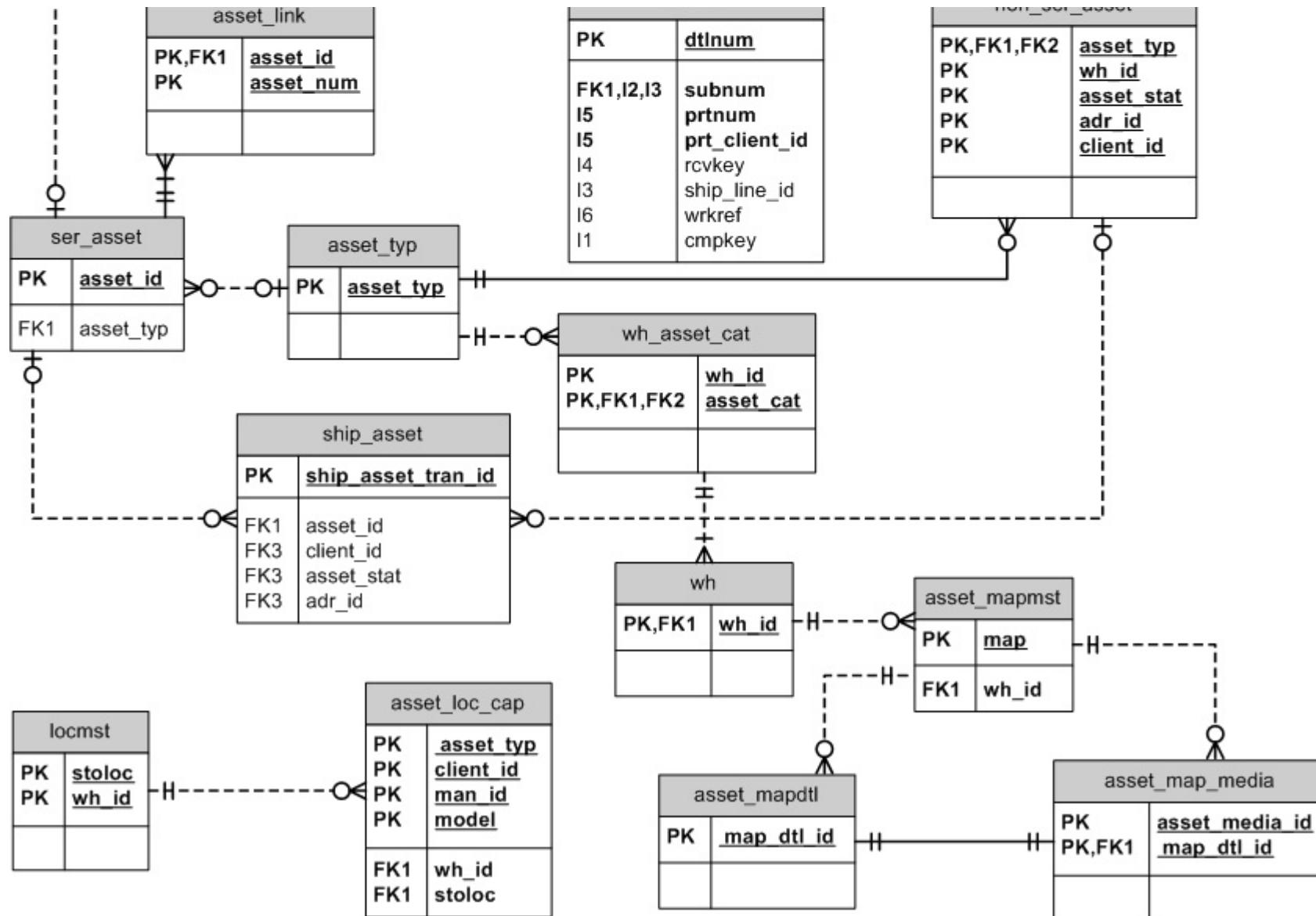
ERD Vendor Managed Inventory



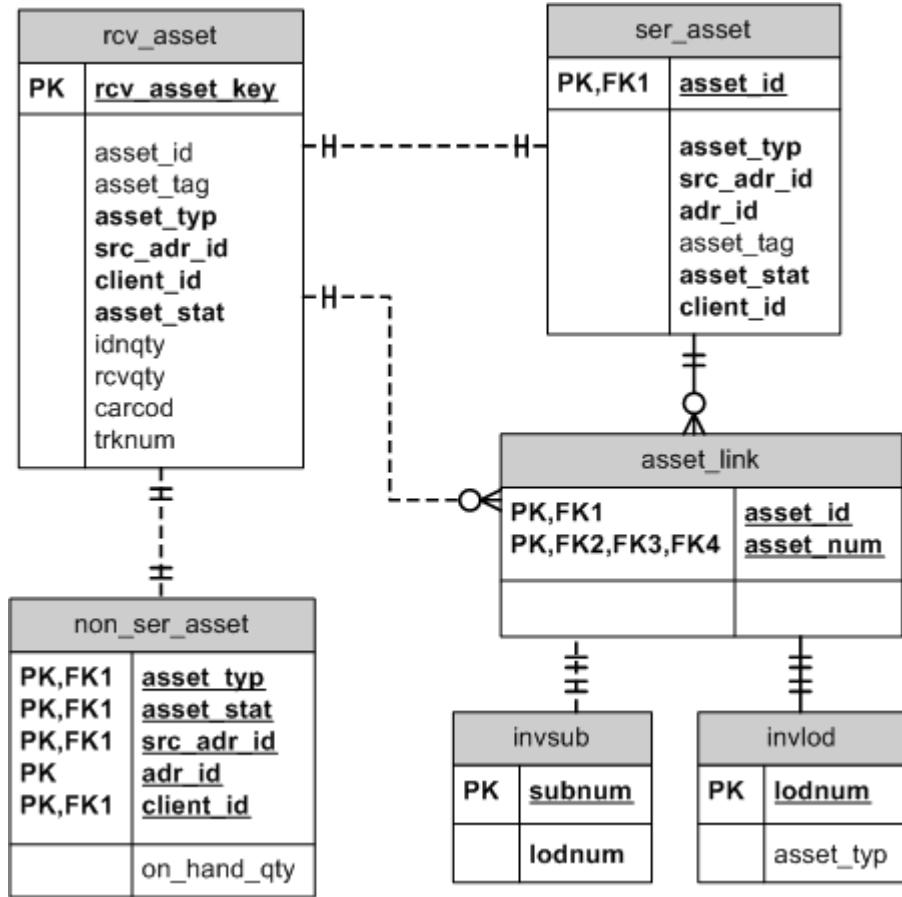


ERD Assets

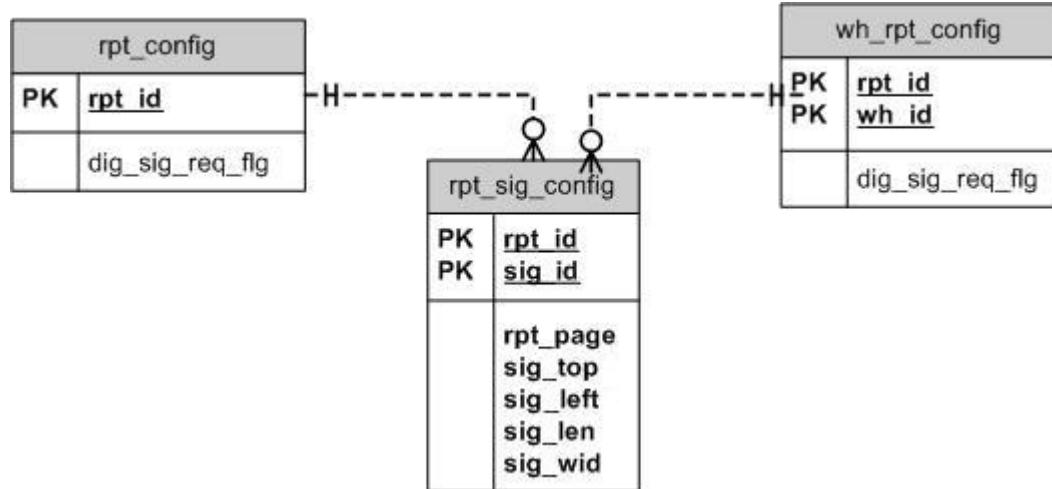




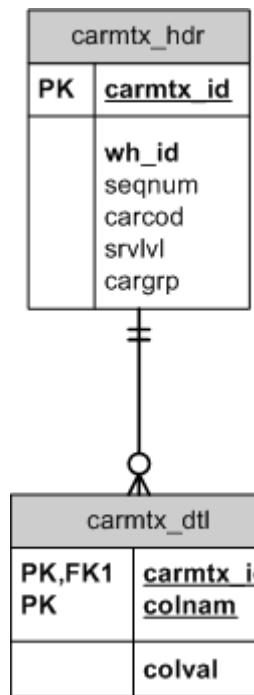
ERD Asset - Receiving



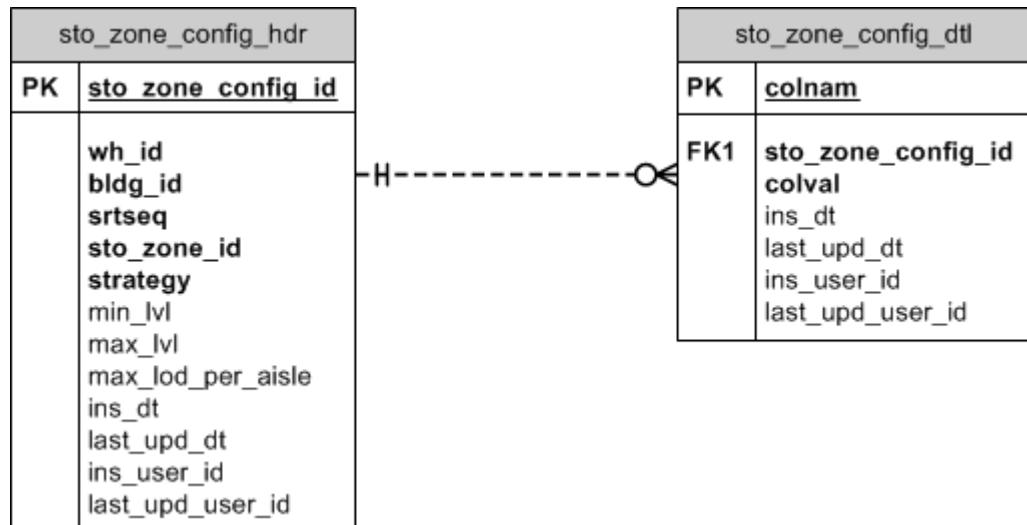
ERD Digital Document Signature Capture



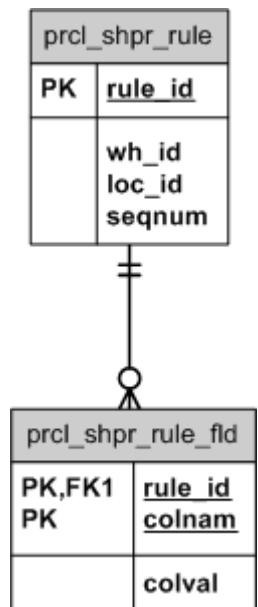
ERD Carrier Matrix



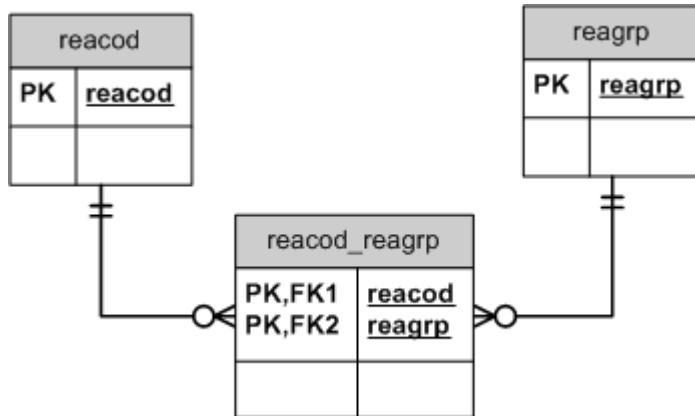
ERD Storage Configuration



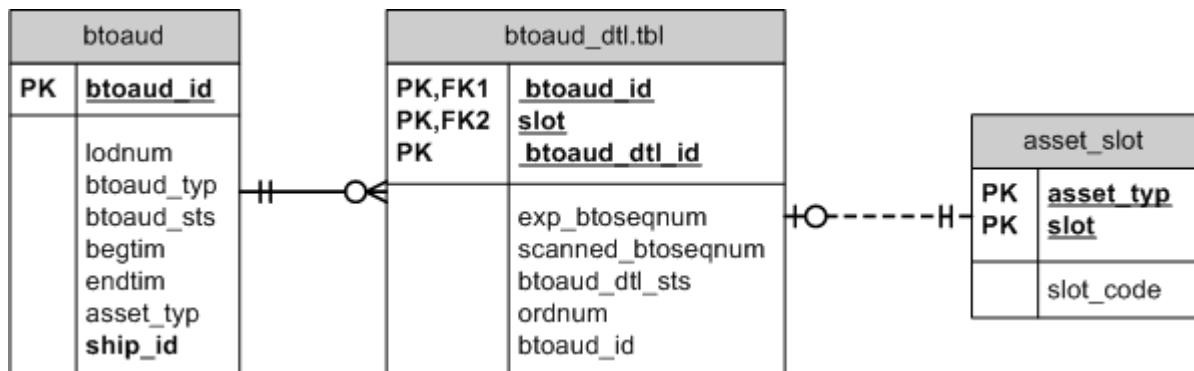
ERD Parcel Shipper Rule



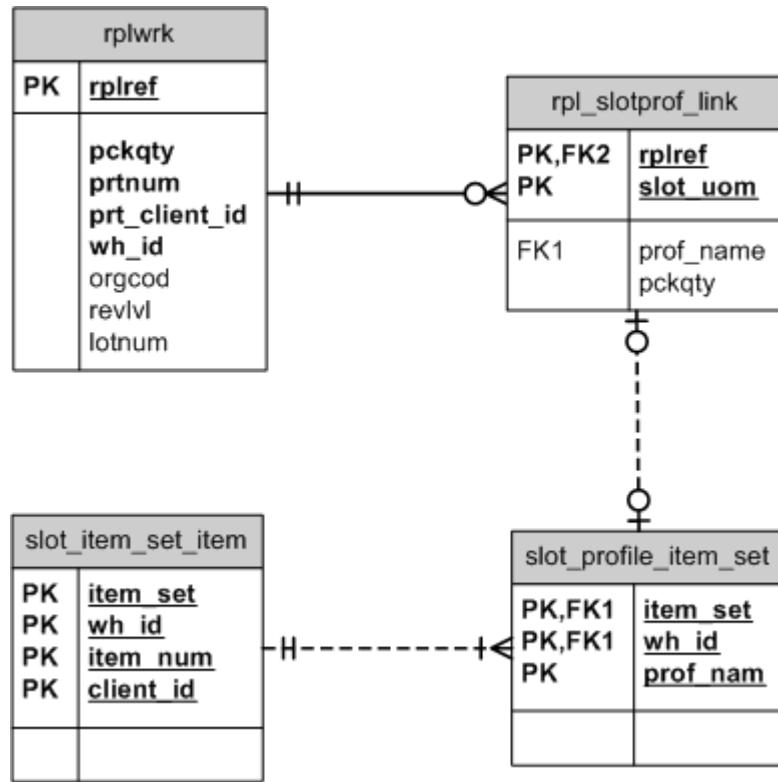
ERD Group Reason Codes



ERD Build To Order

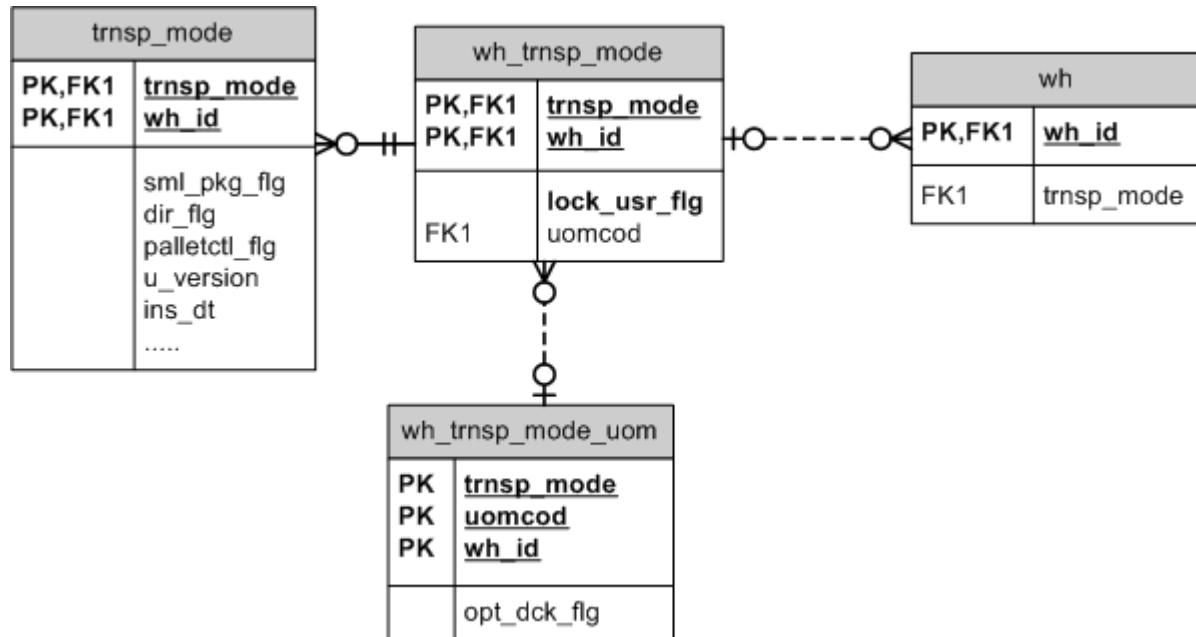


ERD Dynamic Pickface Reassignment

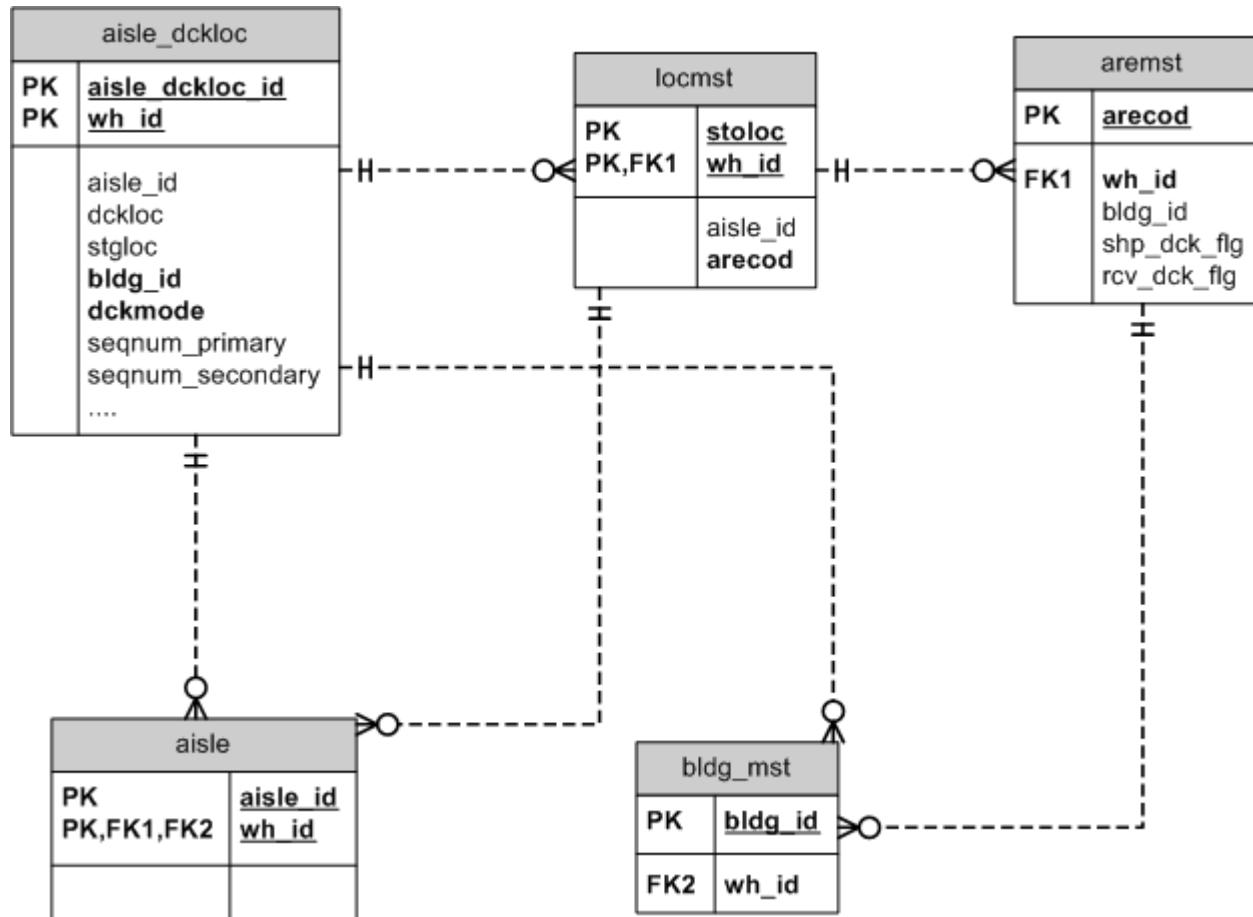


ERD Optimal Outbound Door Selection by Transportation Plan

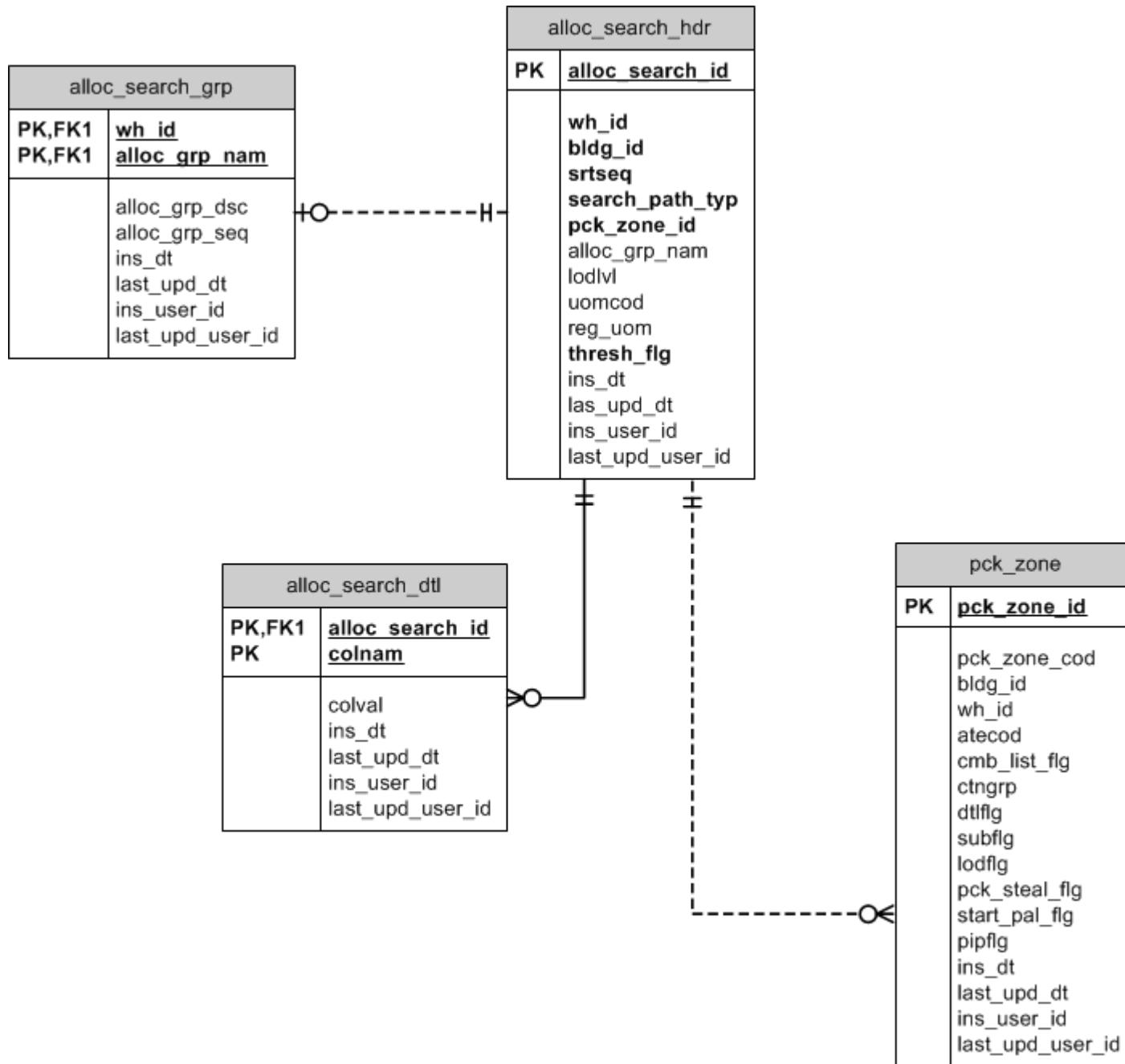
Warehouse Transportation Mode setup



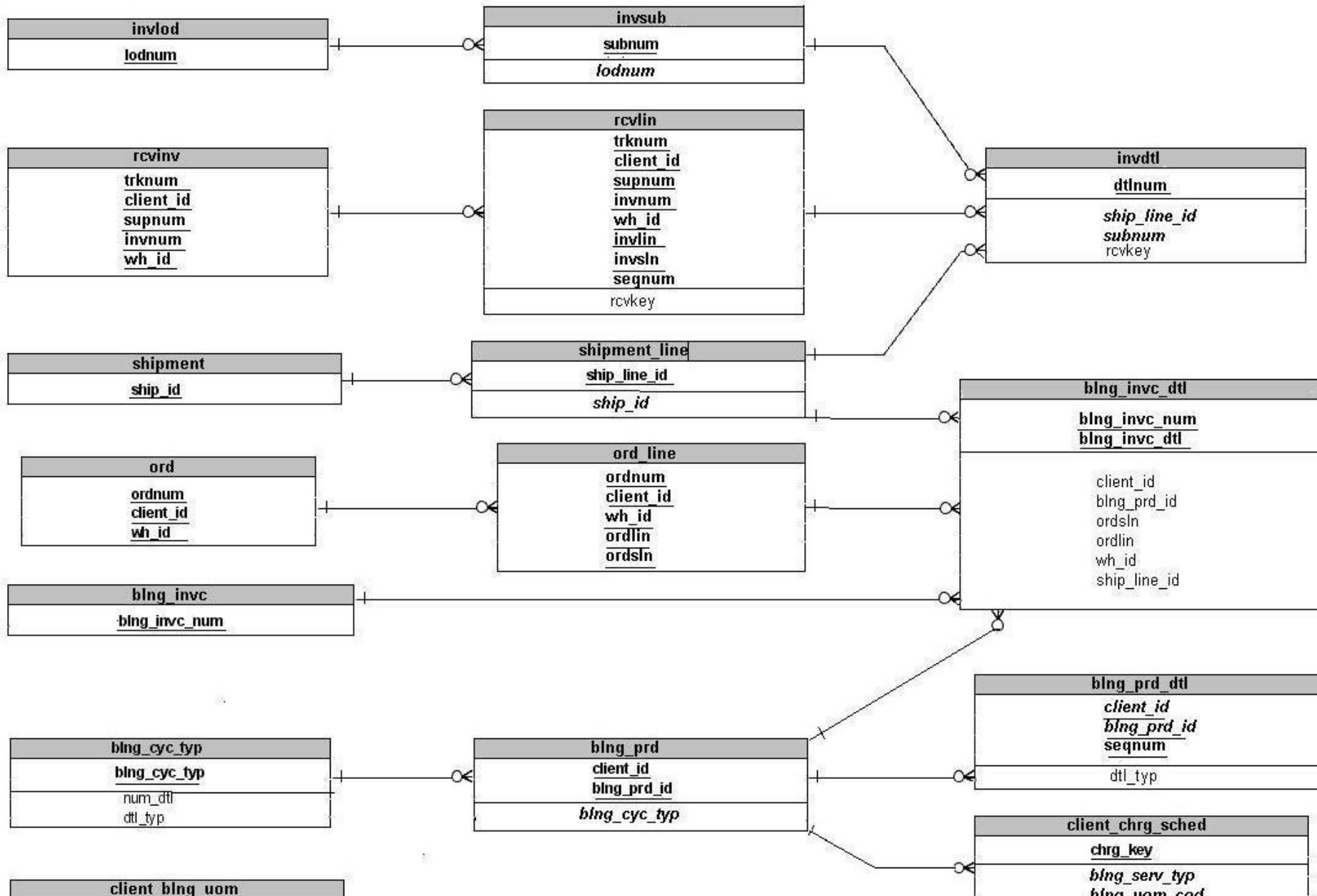
Aisle Dock location association

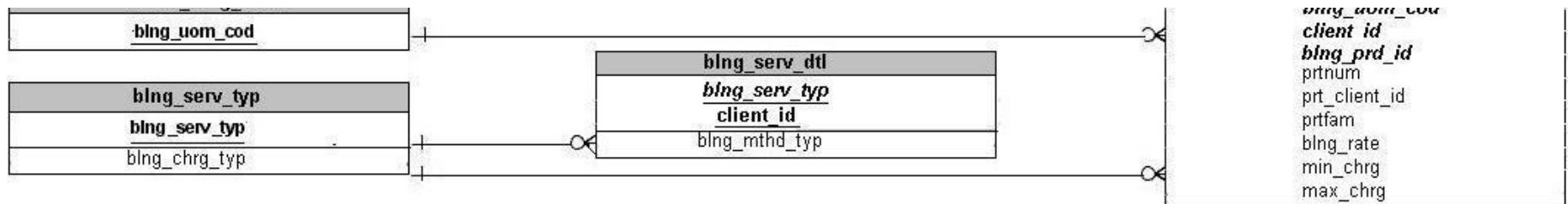


ERD Allocation Search Path

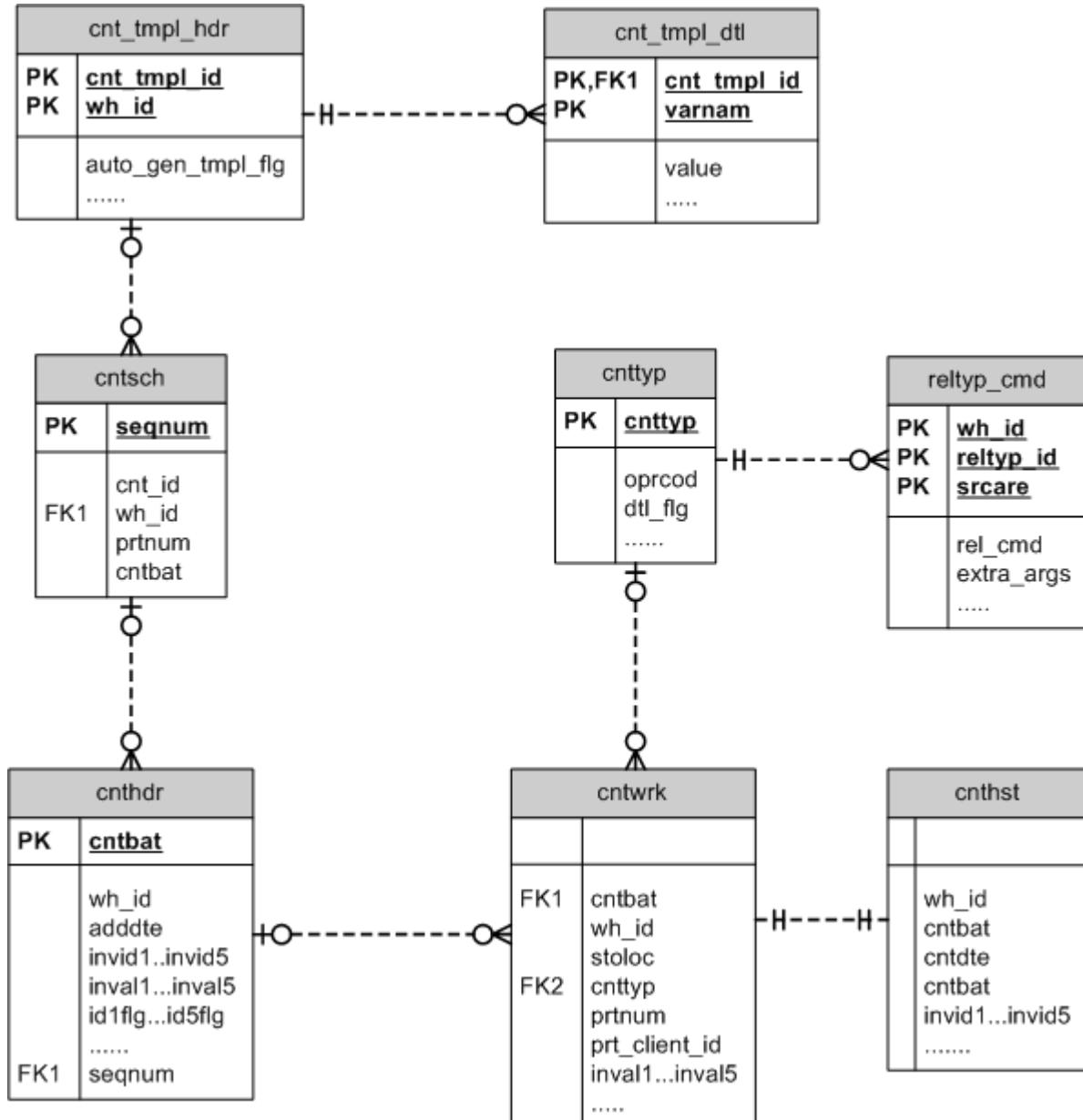


Client Billing Data Model



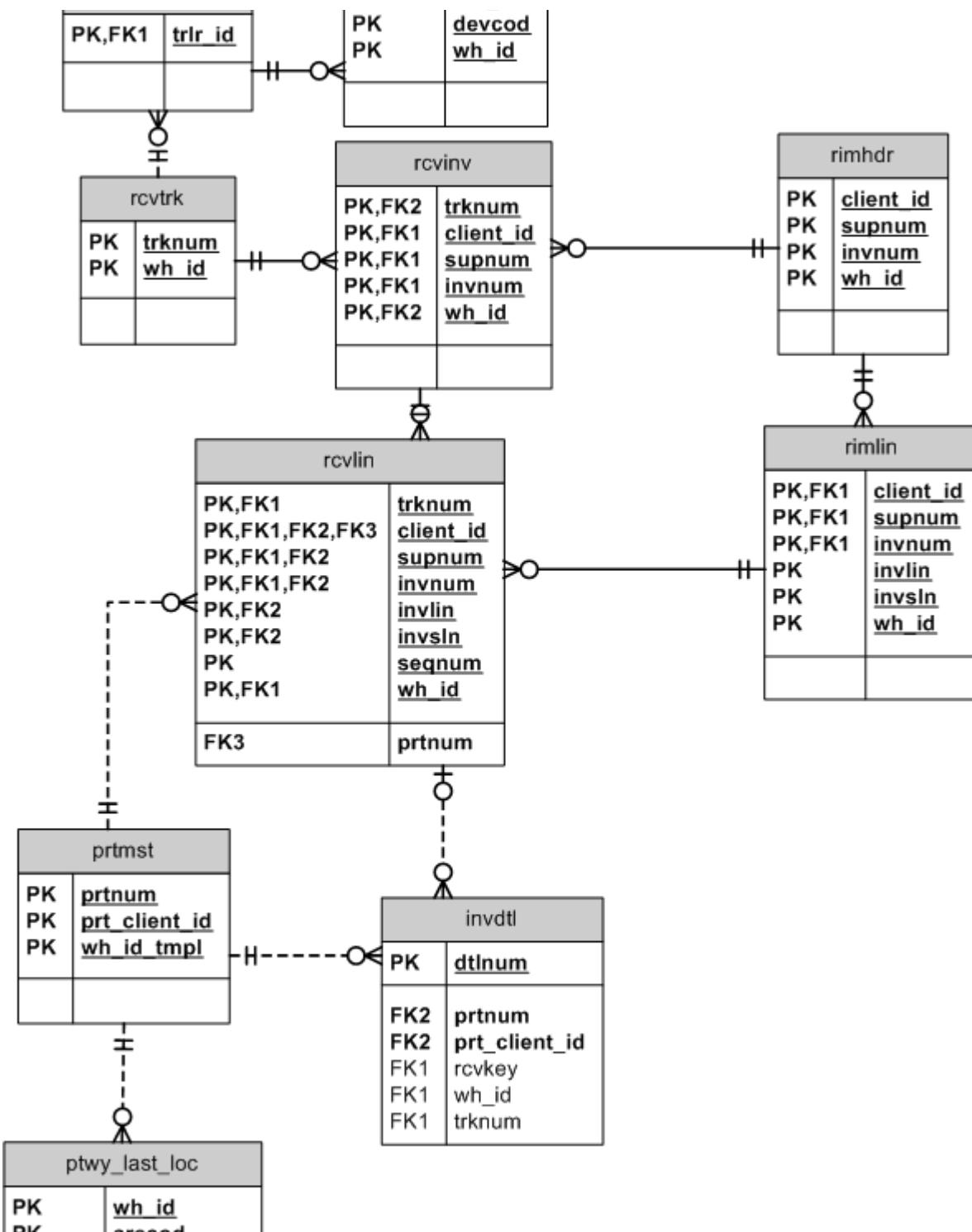


ERD Cycle Count



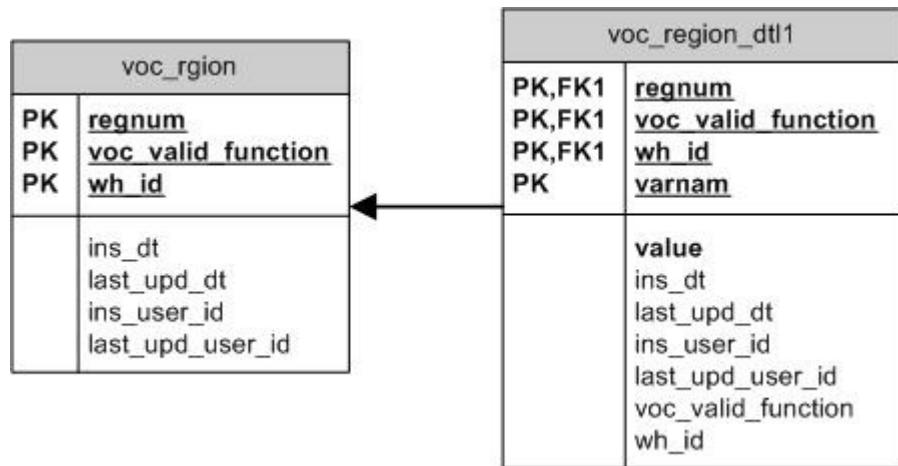
ERD Receiving



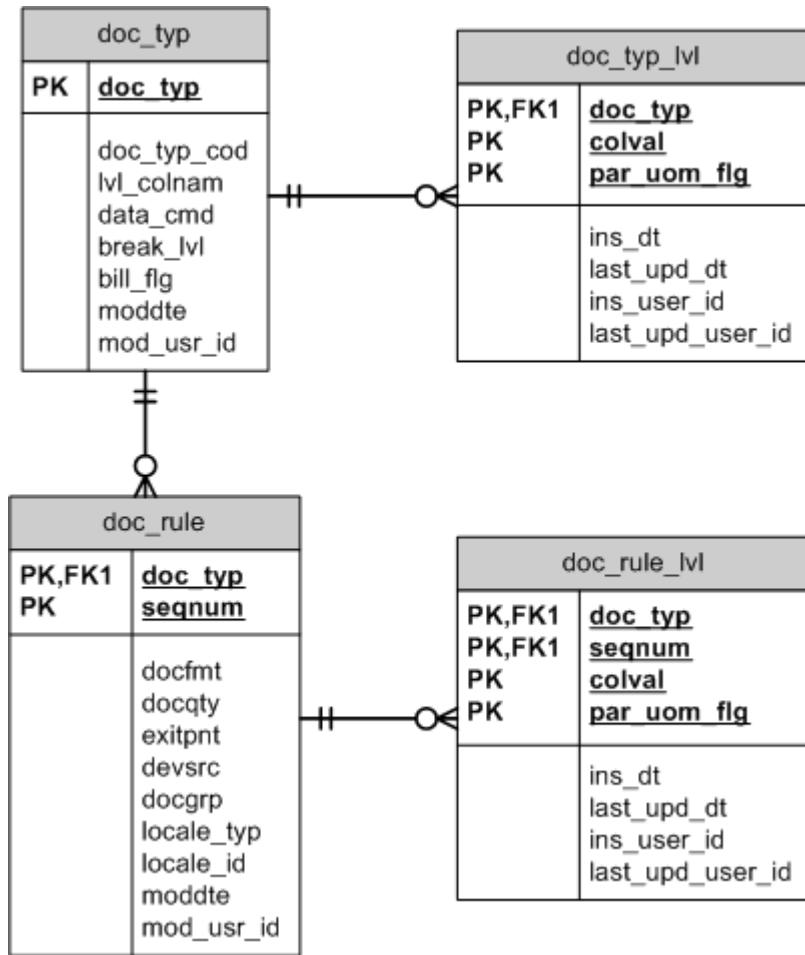


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PK,FK1	<u>prtnum</u>
PK,FK1	<u>prt_client_id</u>

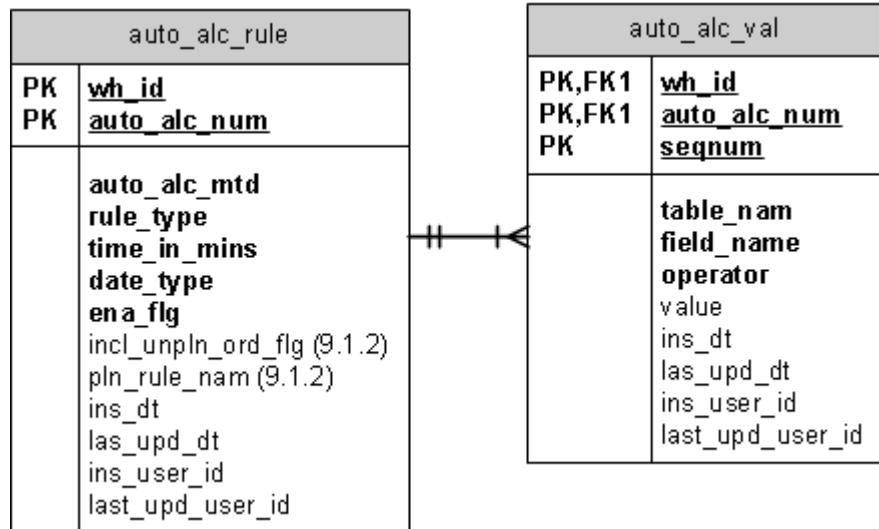
ERD Region Configuration



ERD Label Compliant



ERD Automatic Order Allocation and Release



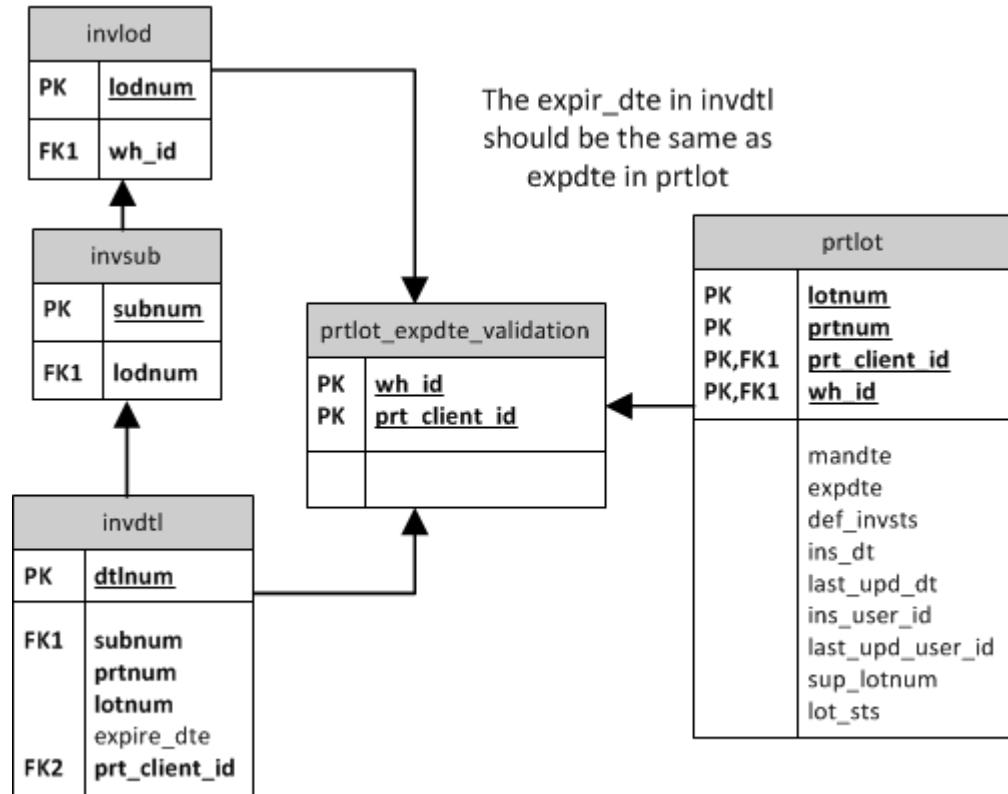
ERD Pick Pre-Validation

Pick Pre-Validation Scheme Master	
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	ins_user_id
	last_upd_dt
	last_upd_user_id

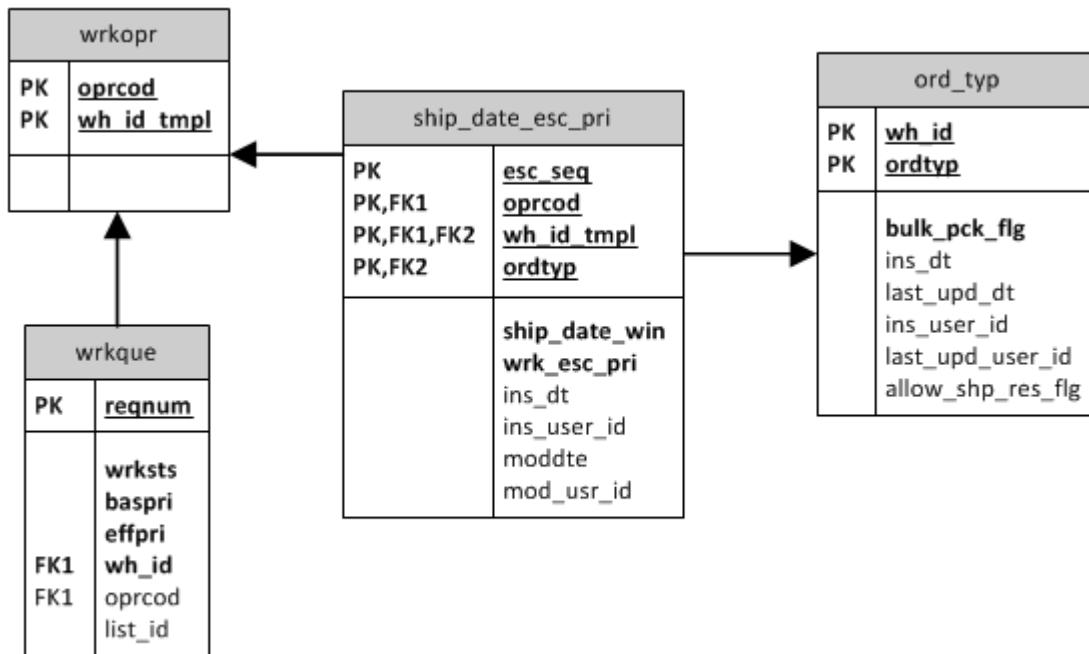


Pick Pre-Validation Scheme Master	
PK,FK2	<u>scheme_id</u>
PK	<u>wrktyp</u>
	ins_dt
	ins_user_id
	last_upd_dt
	last_upd_user_id

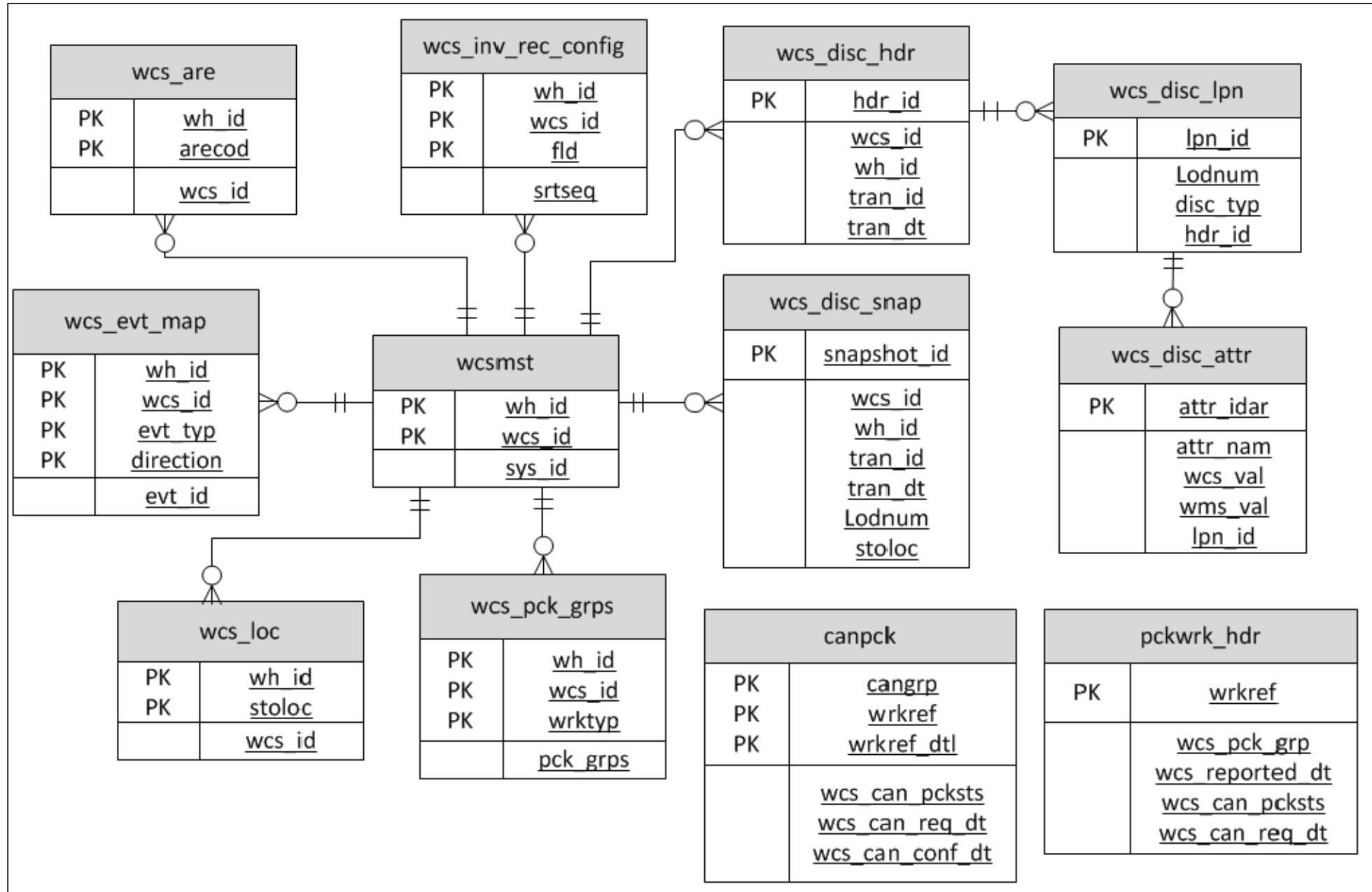
ERD Receiving Configuration



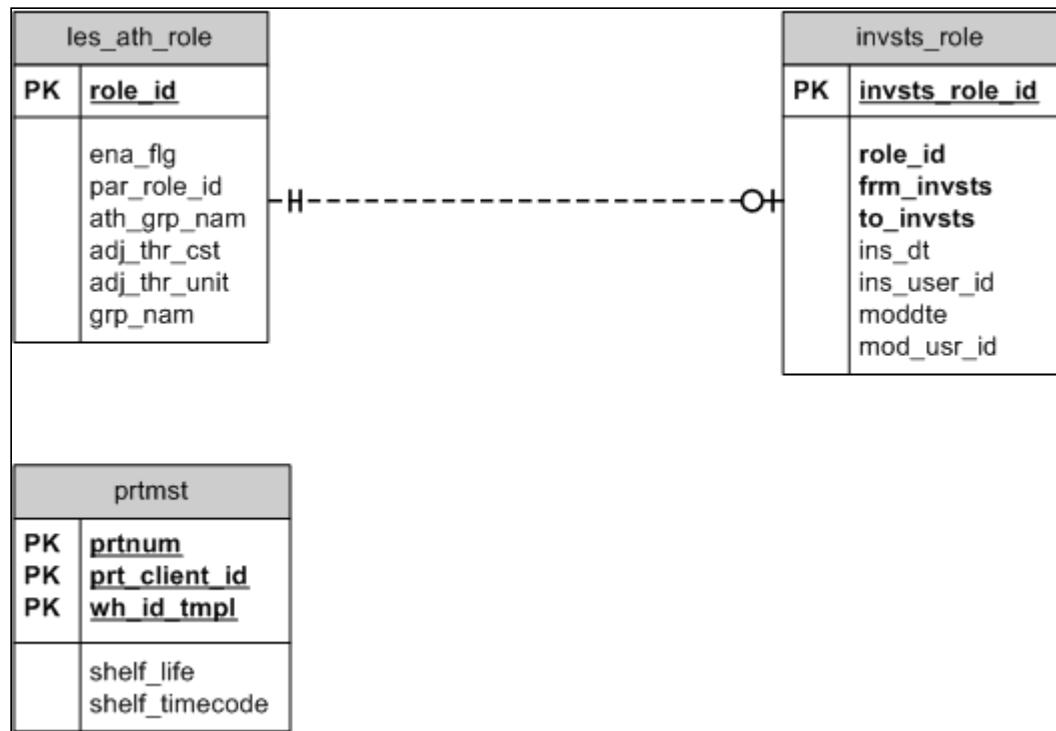
ERD Shipment Date Escalation Priority by Order Type Configuration



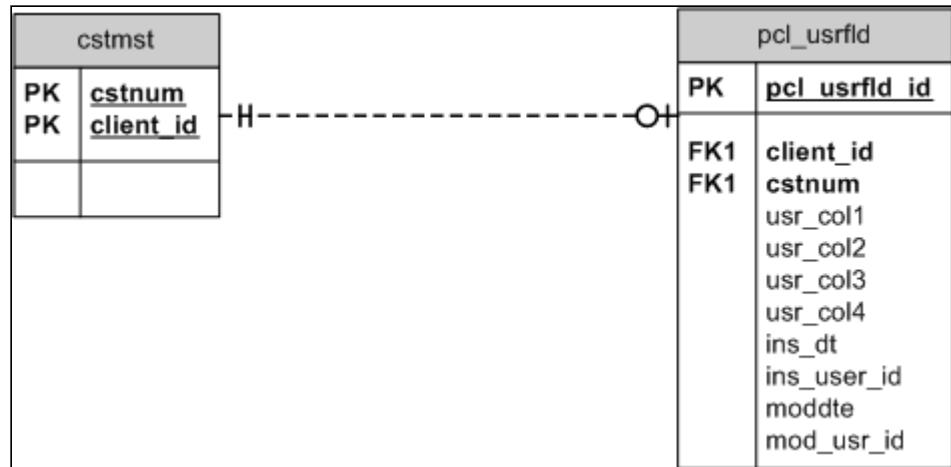
ERD WCS



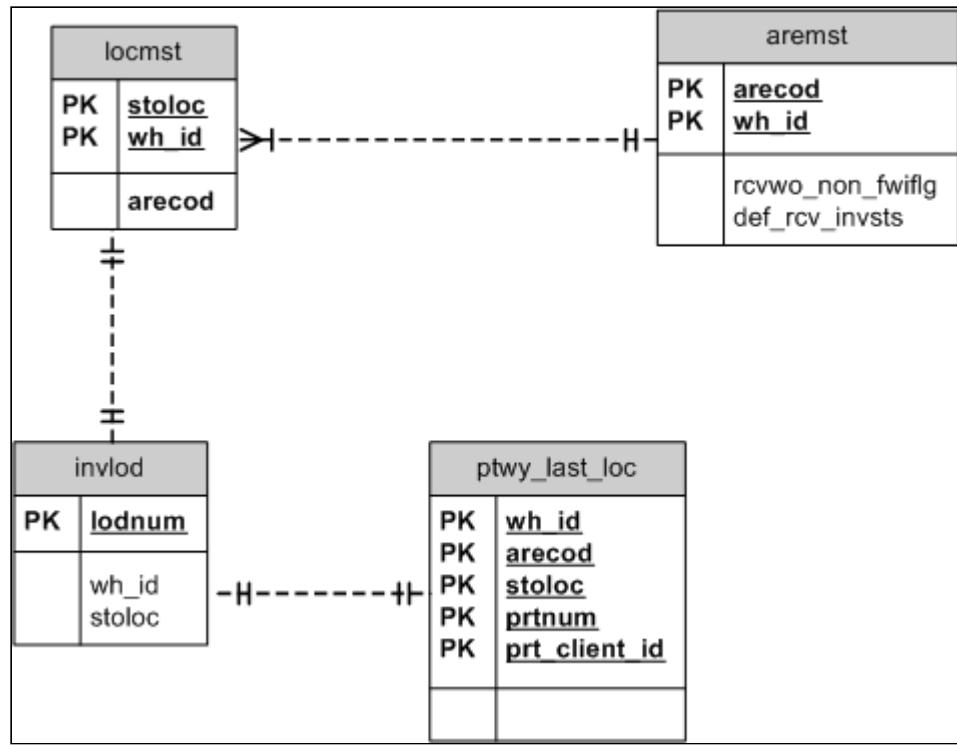
ERD Inventory Status During Identify



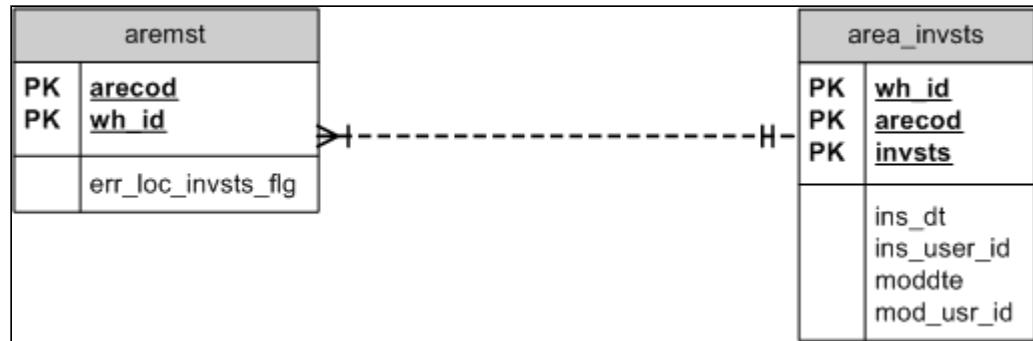
ERD Configurable User Fields



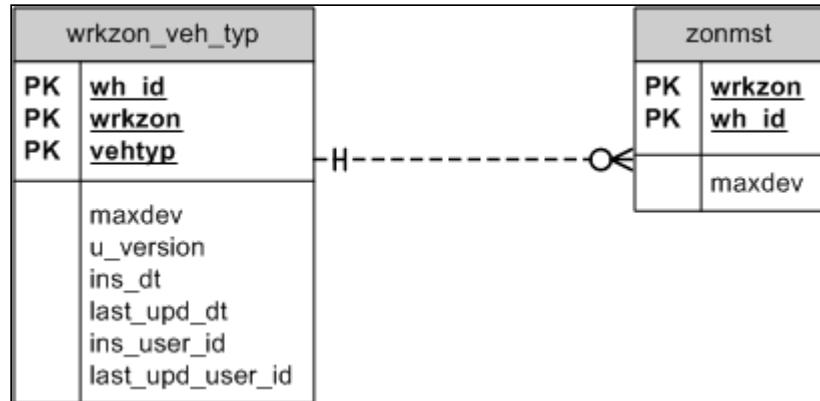
ERD Receive Without Order



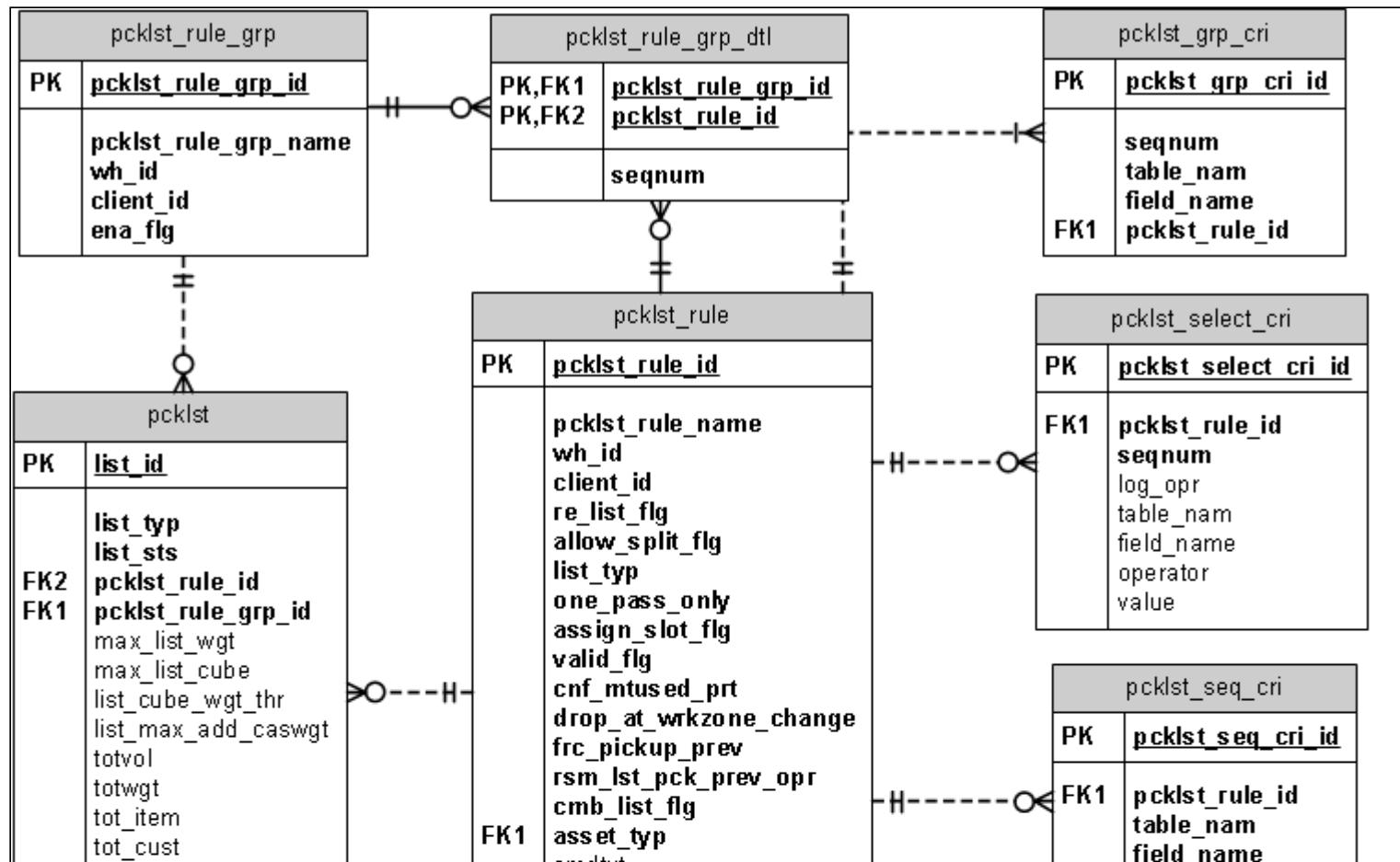
ERD Inventory Status at Pickface Location

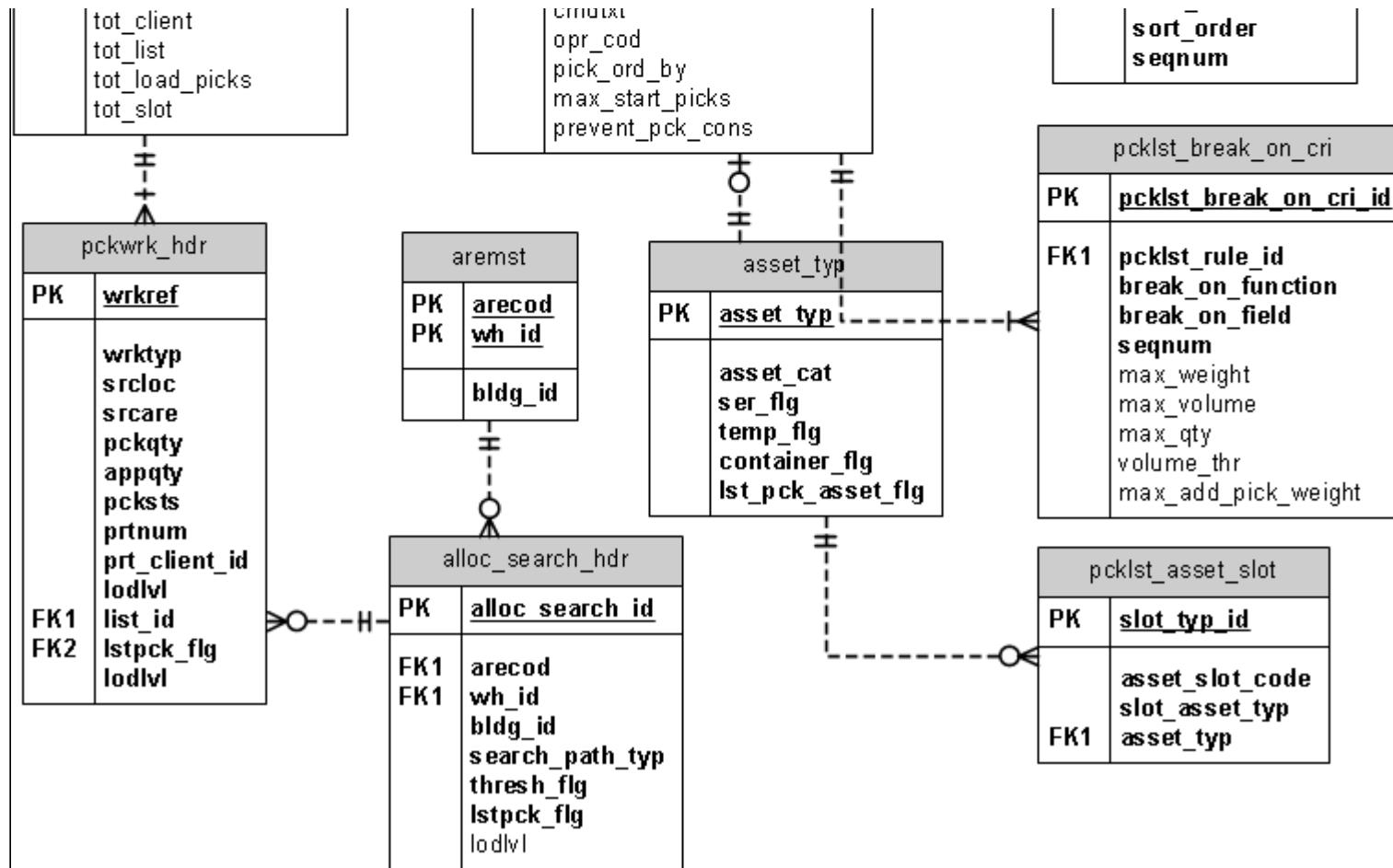


ERD Work Zone by Vehicle Type

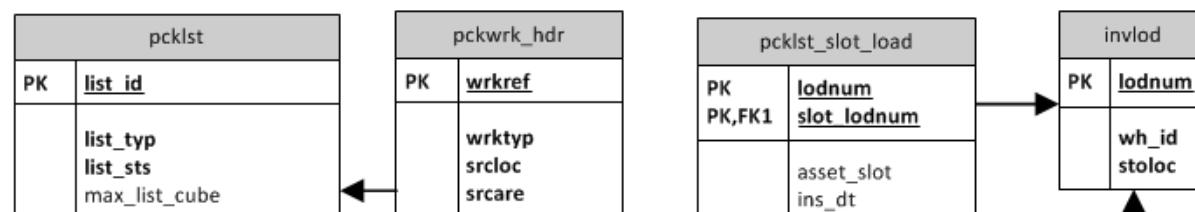


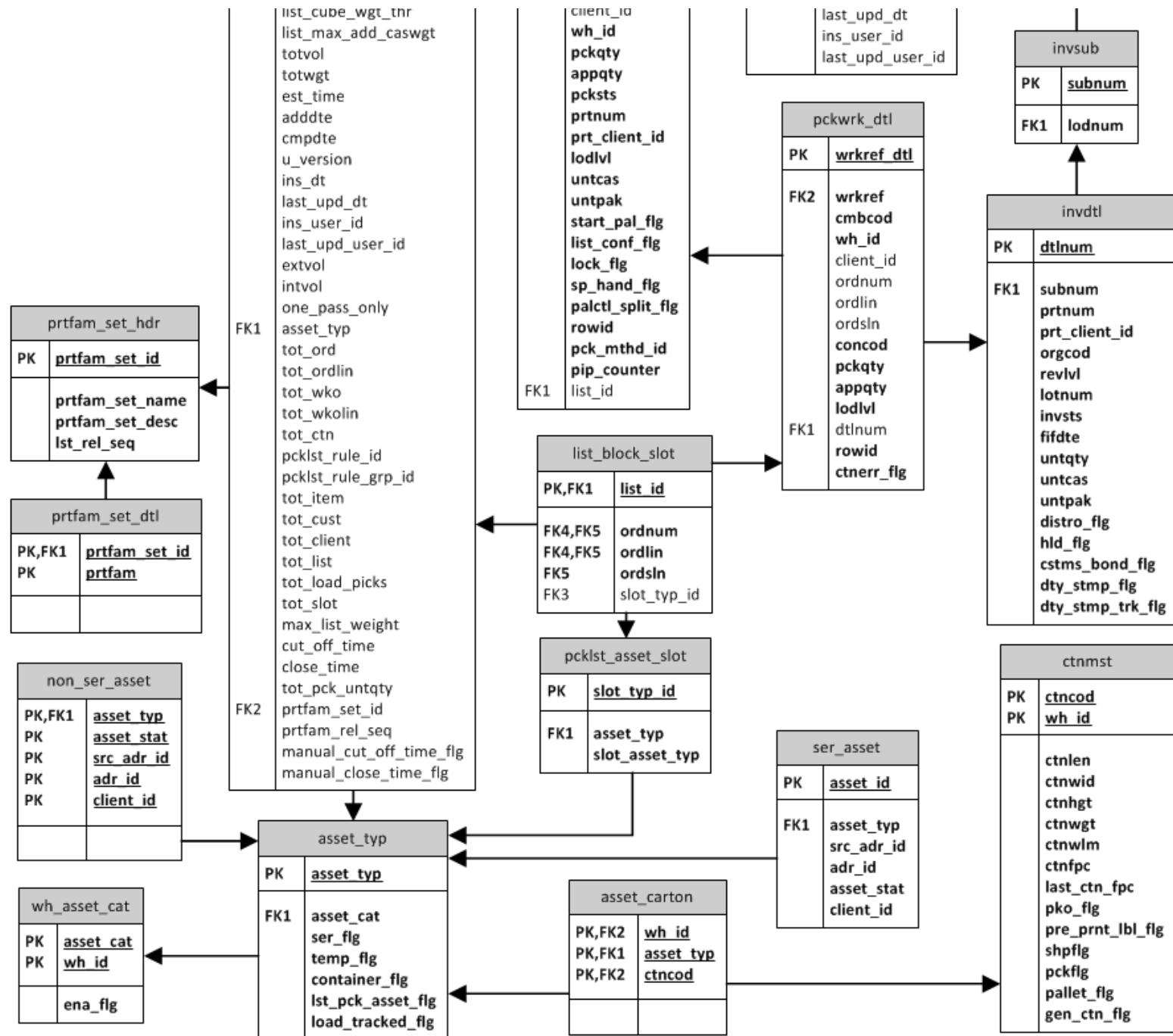
ERD List Picking Configuration



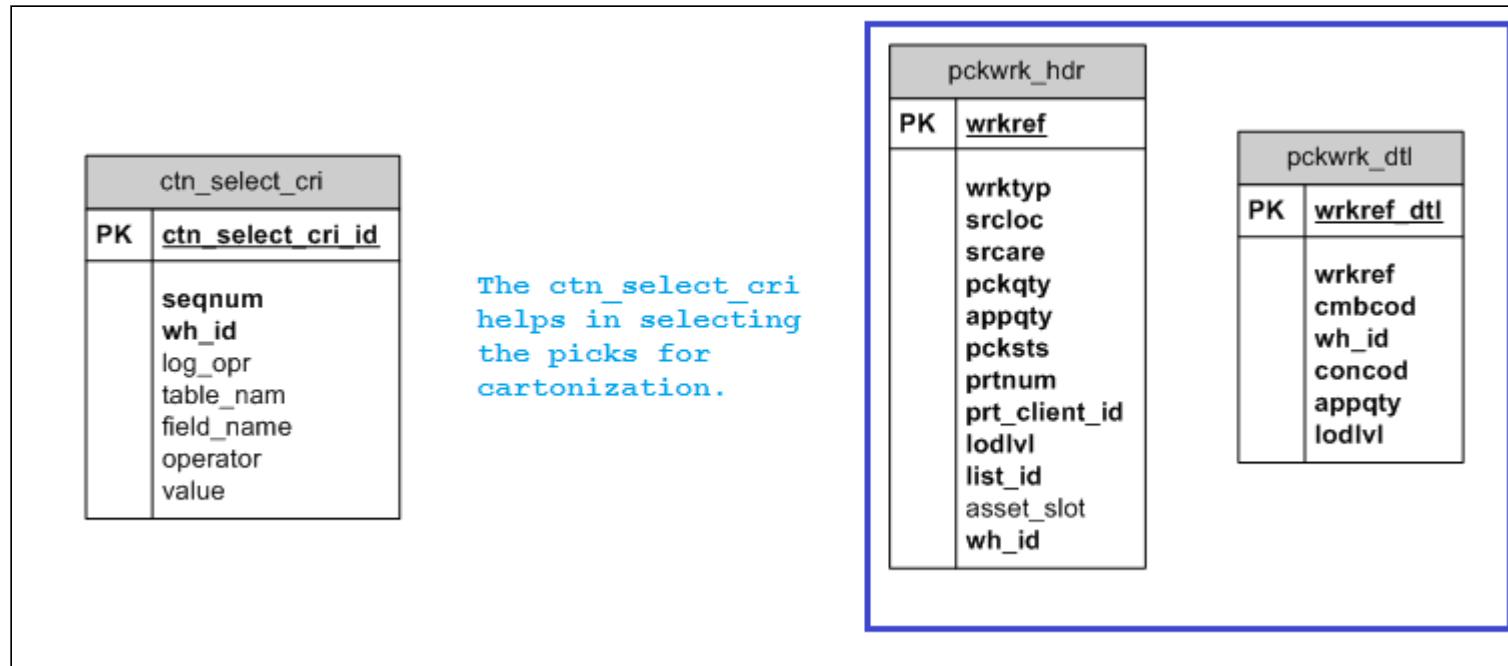


ERD Asset - List Picking

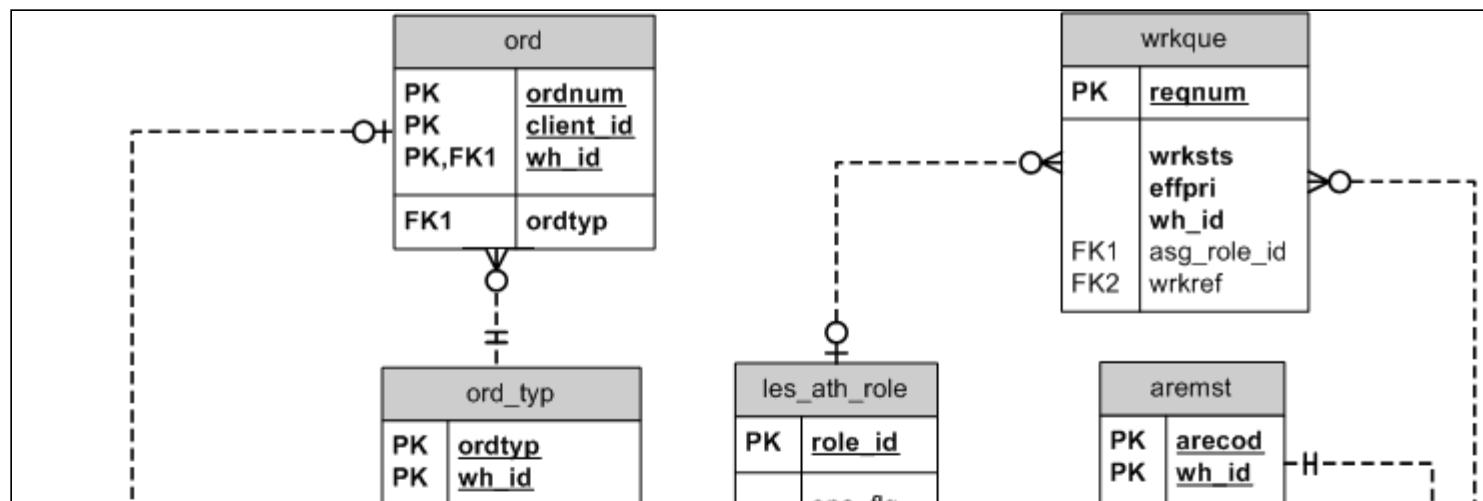


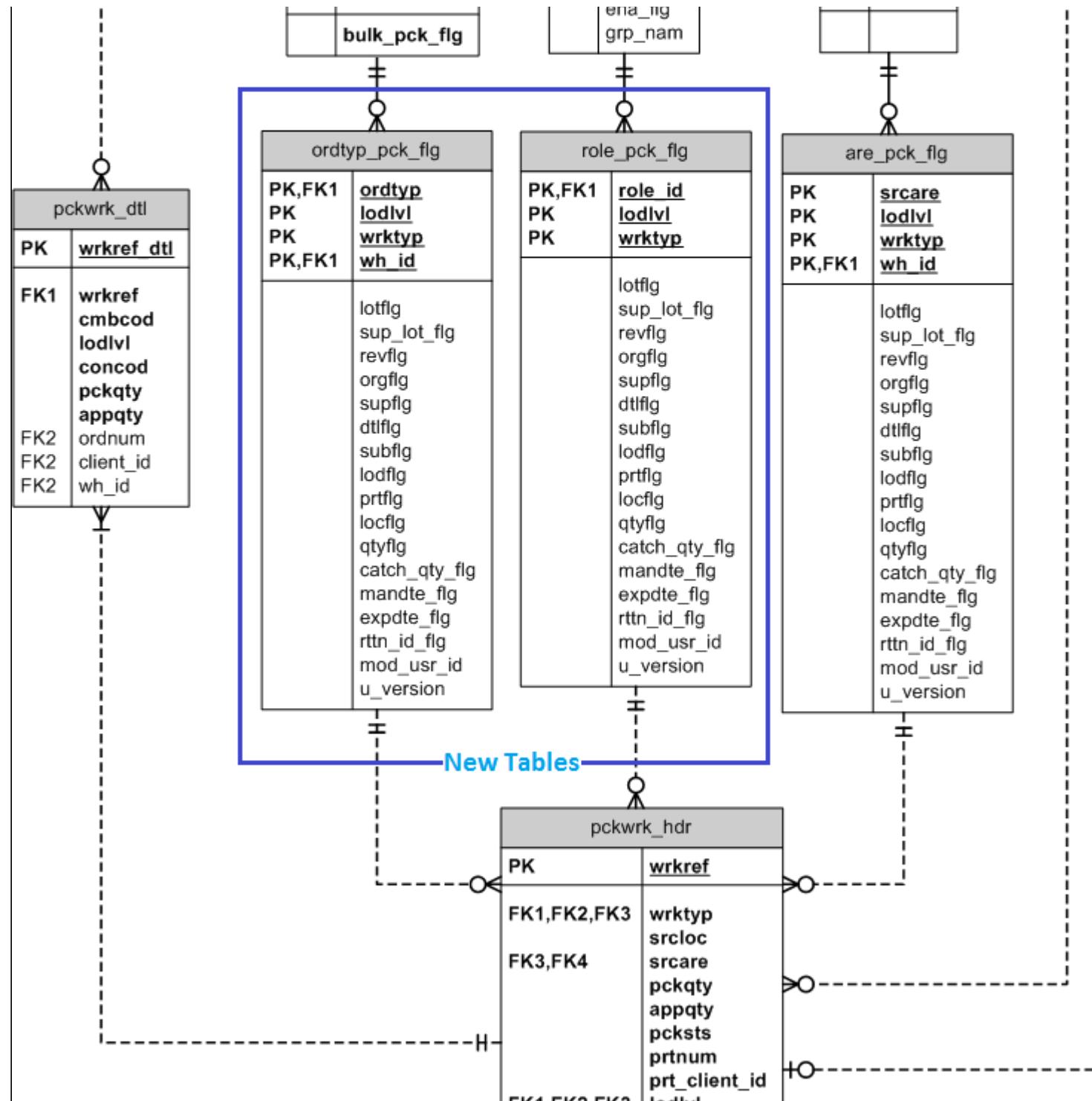


ERD Pick Cartonization Selection Rules



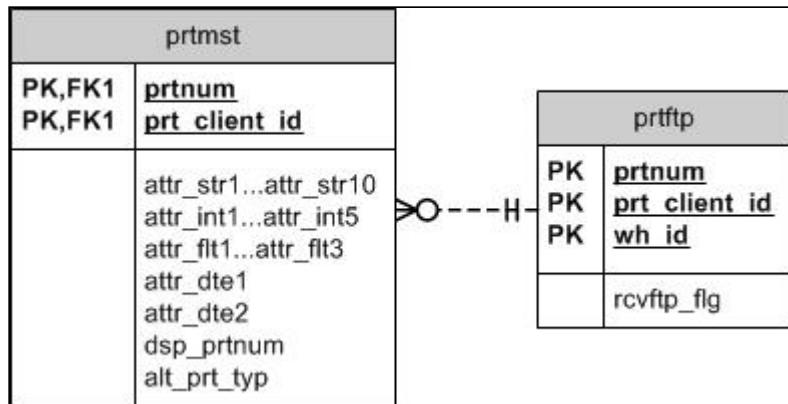
ERD RF Pick Validation By User Role



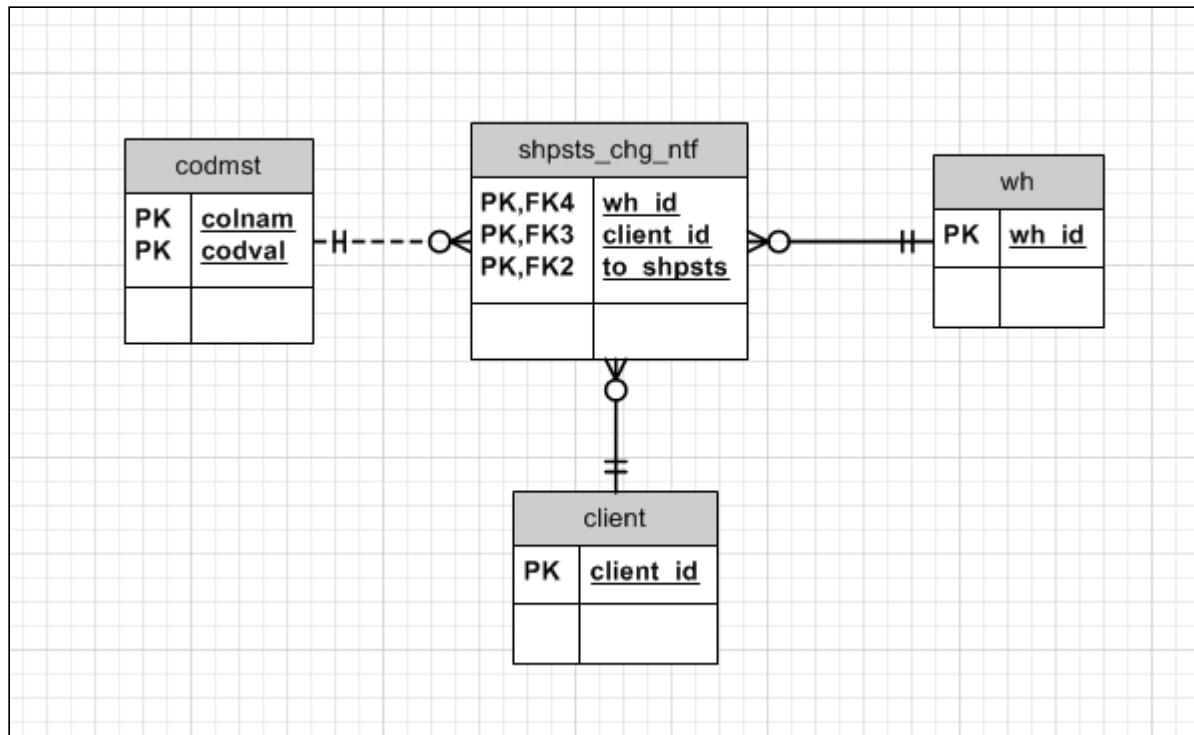




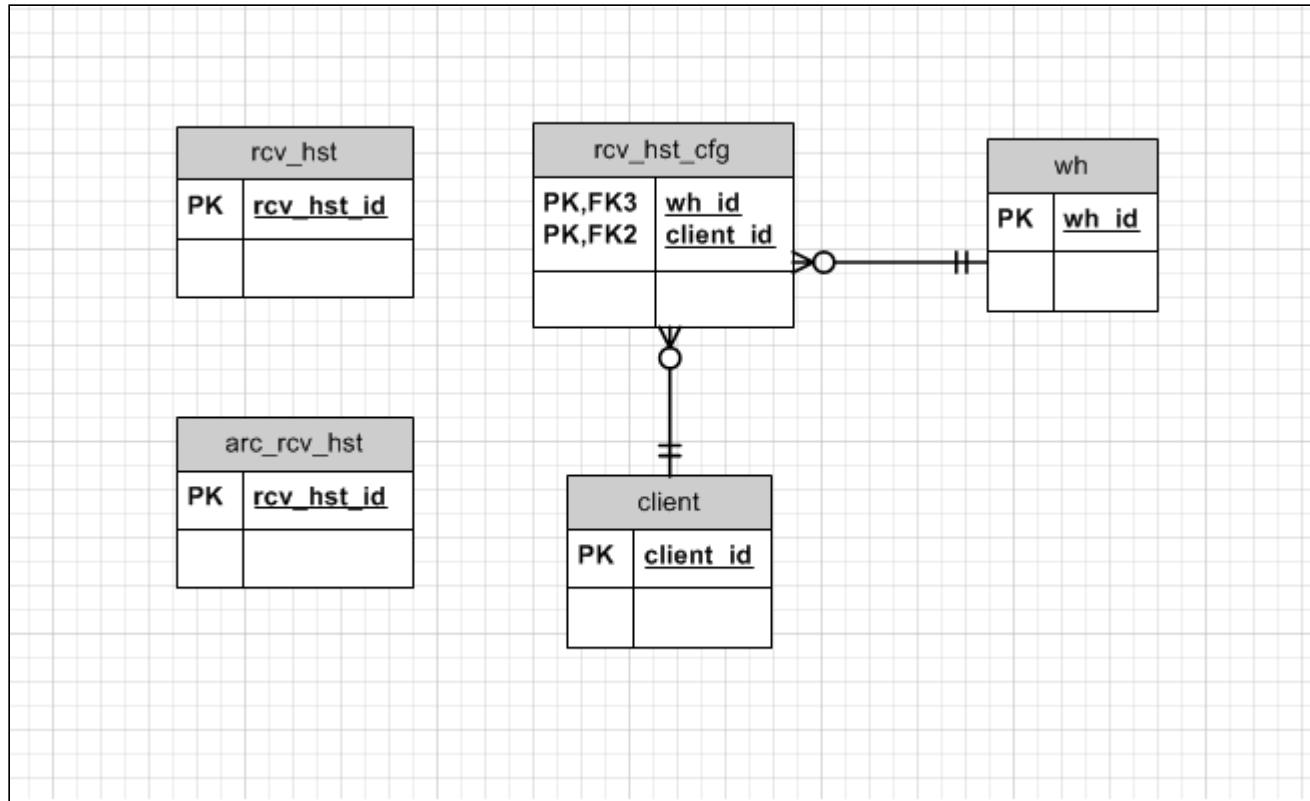
ERD Receiving New Case Quantity



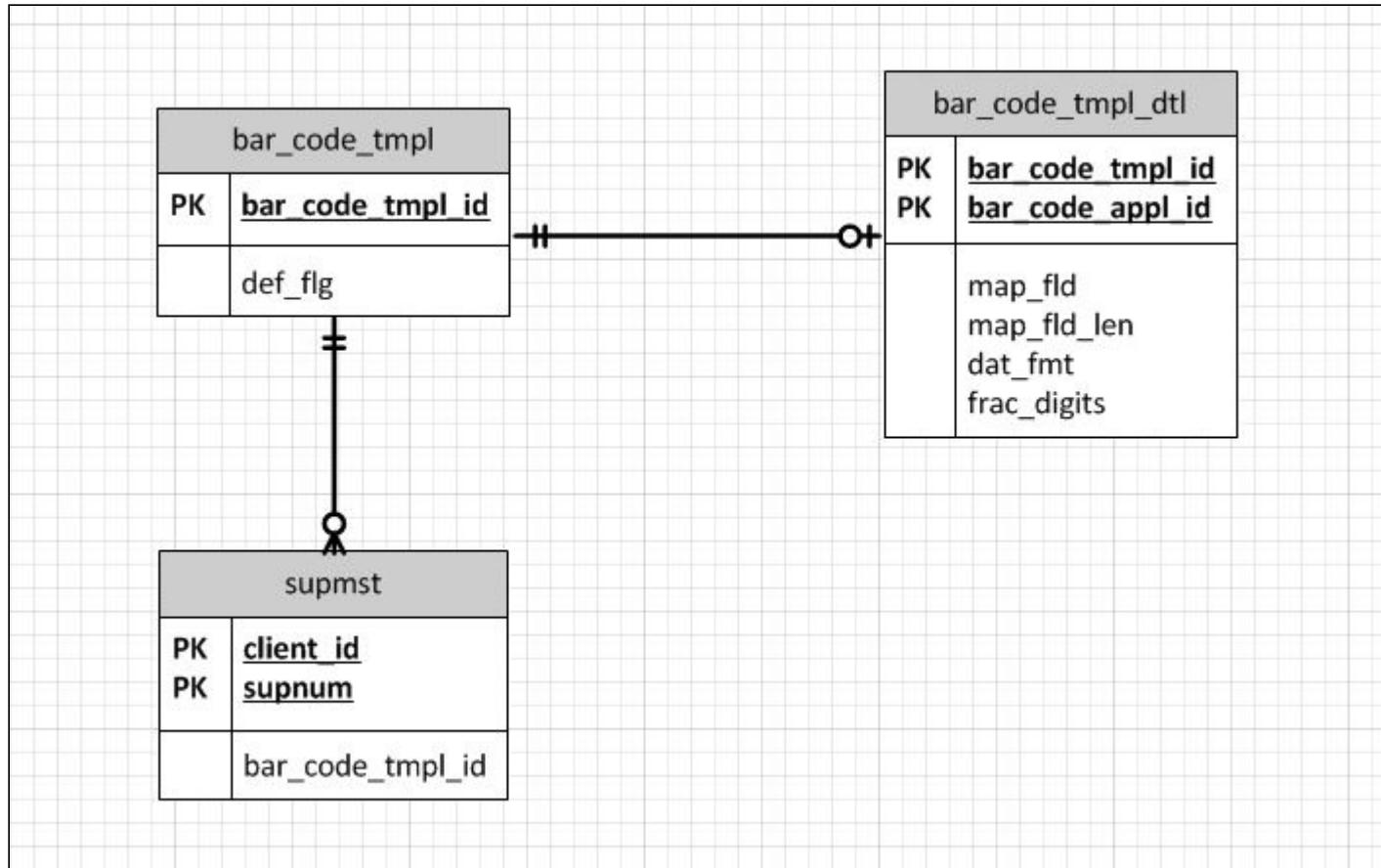
ERD Shipment Status Notification Configuration



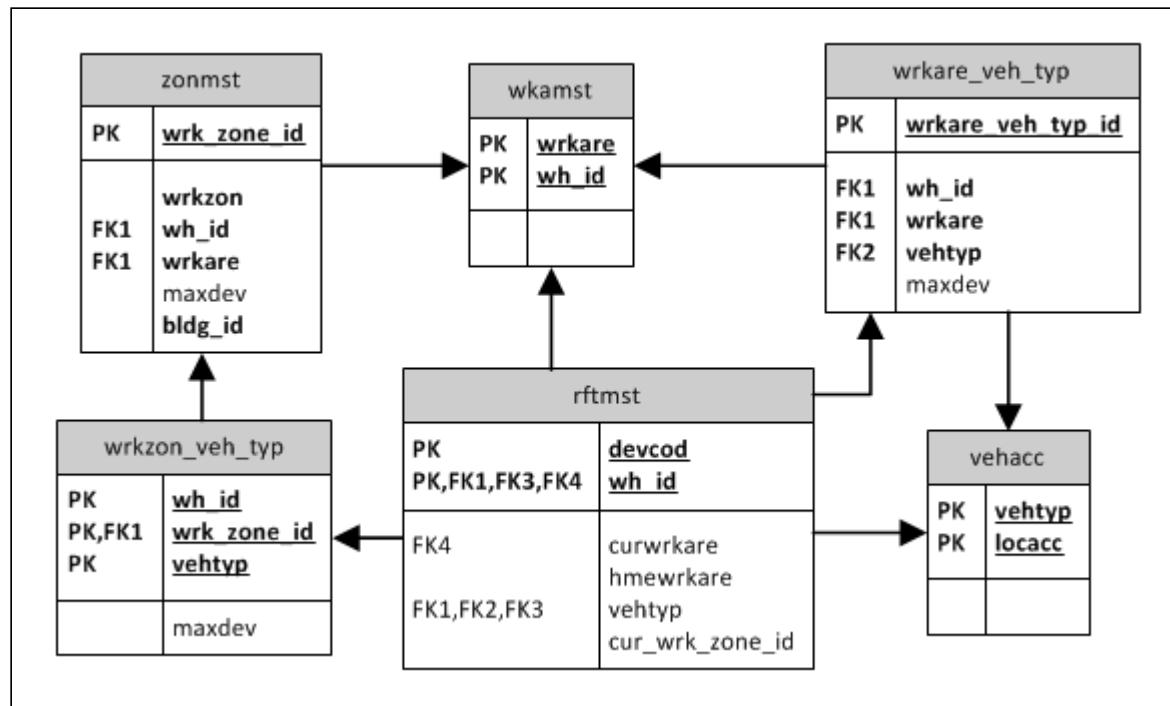
ERD Inbound History Tracking



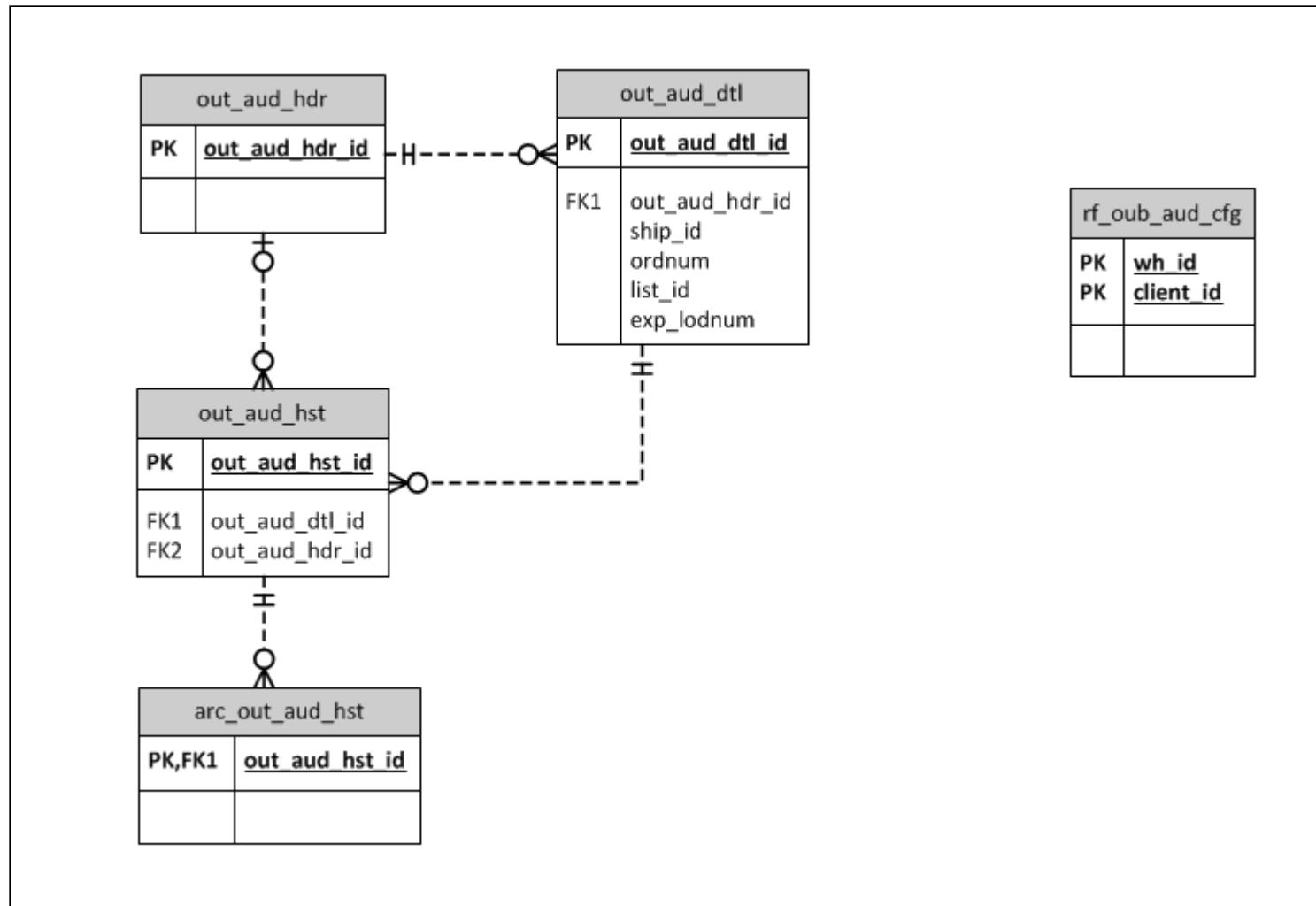
ERD GS1-128 Barcode Support Enhancements



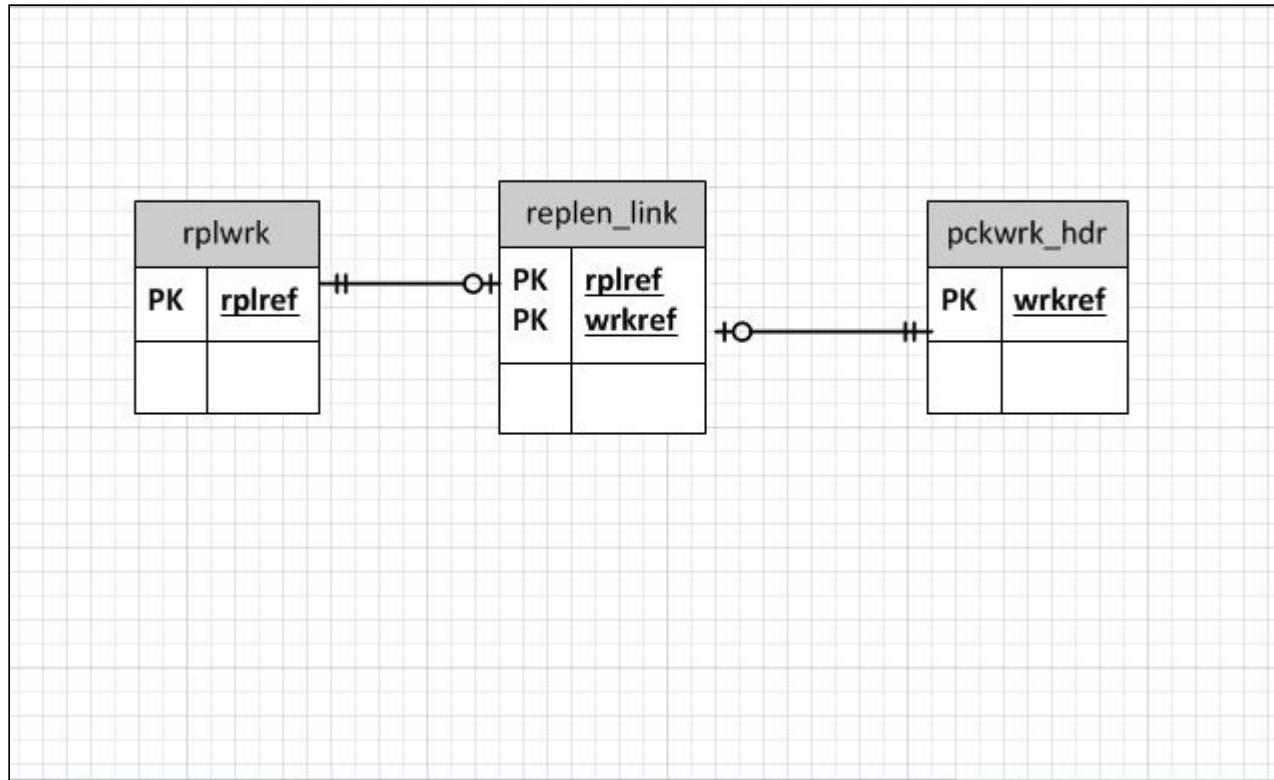
ERD Maximum Vehicle Limit by Work Area



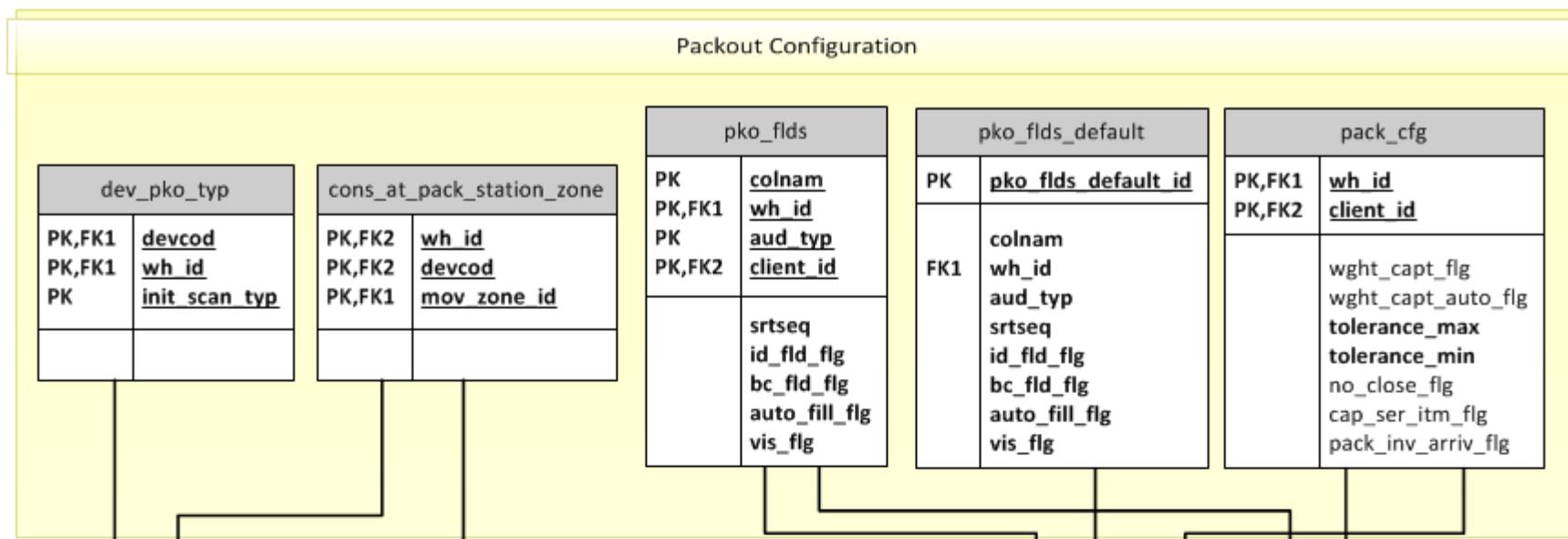
ERD RF Outbound Audit

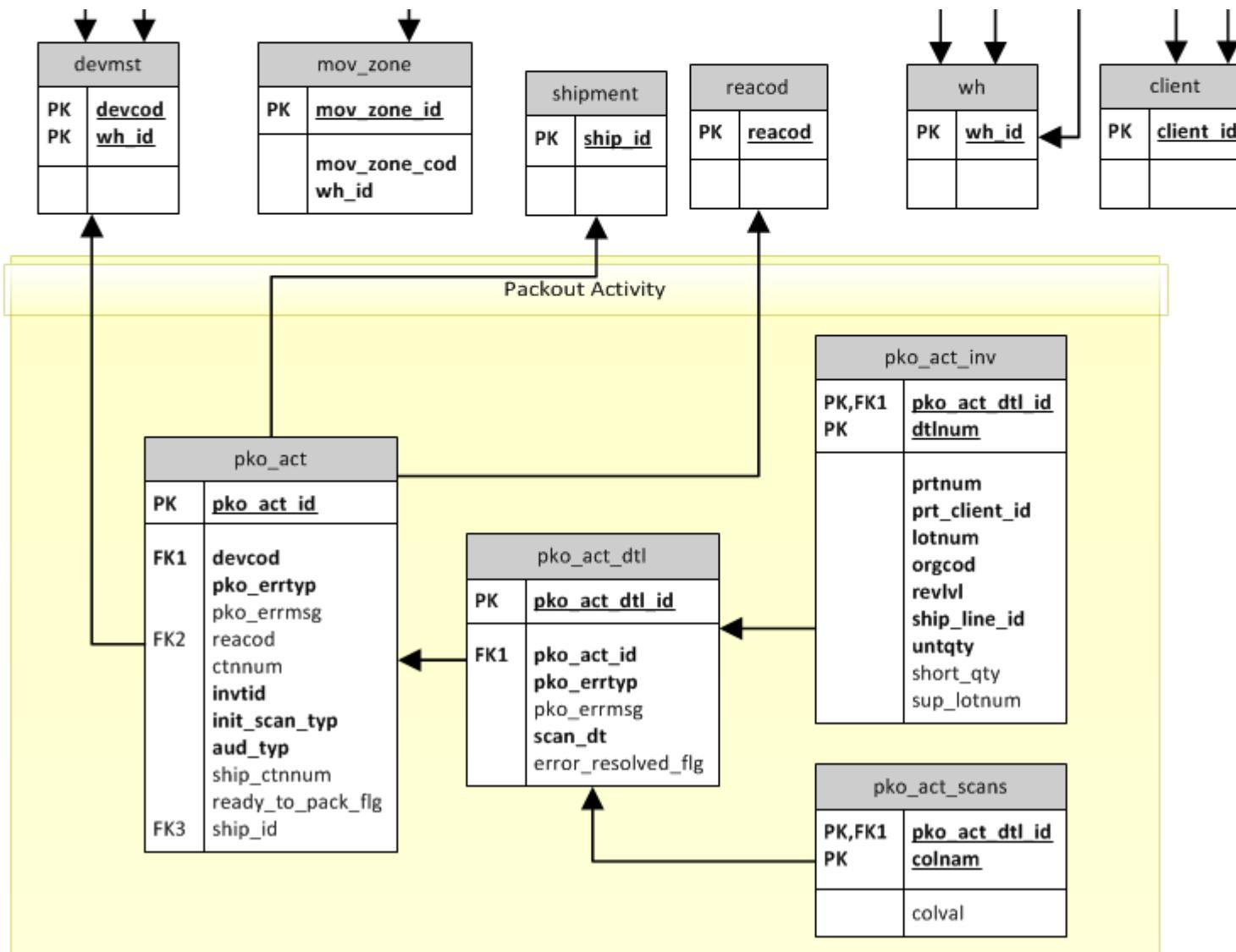


ERD Replenishment Link

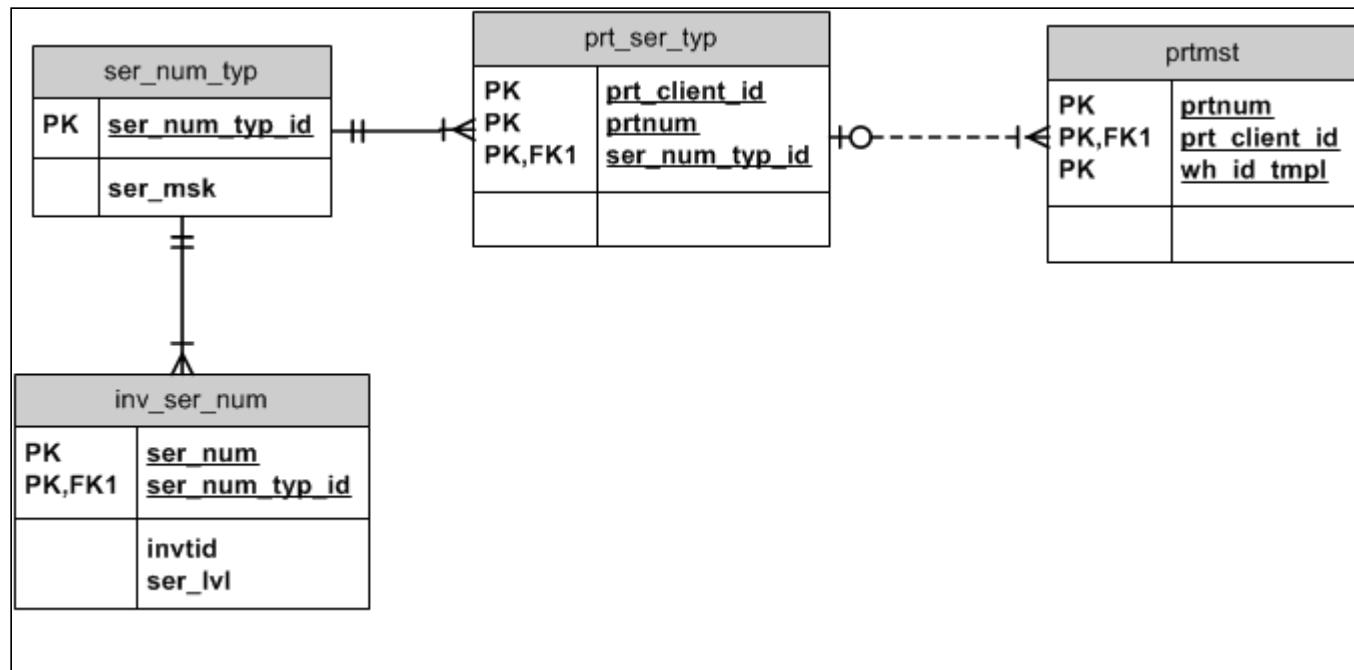


ERD Packout Process





ERD Pack Station Serialization



ERD Pack Station Enhancements - CDP

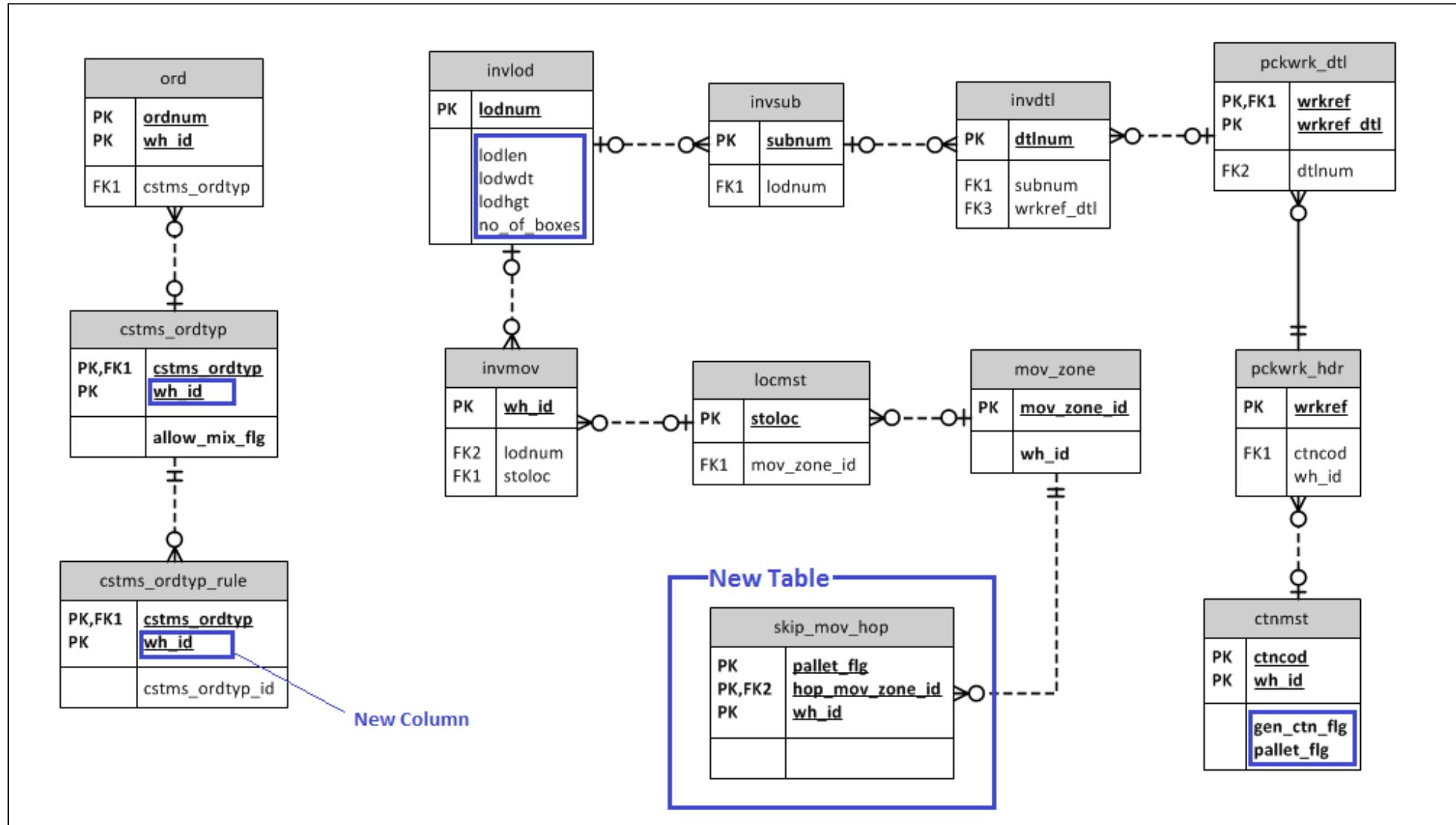


Table of Contents

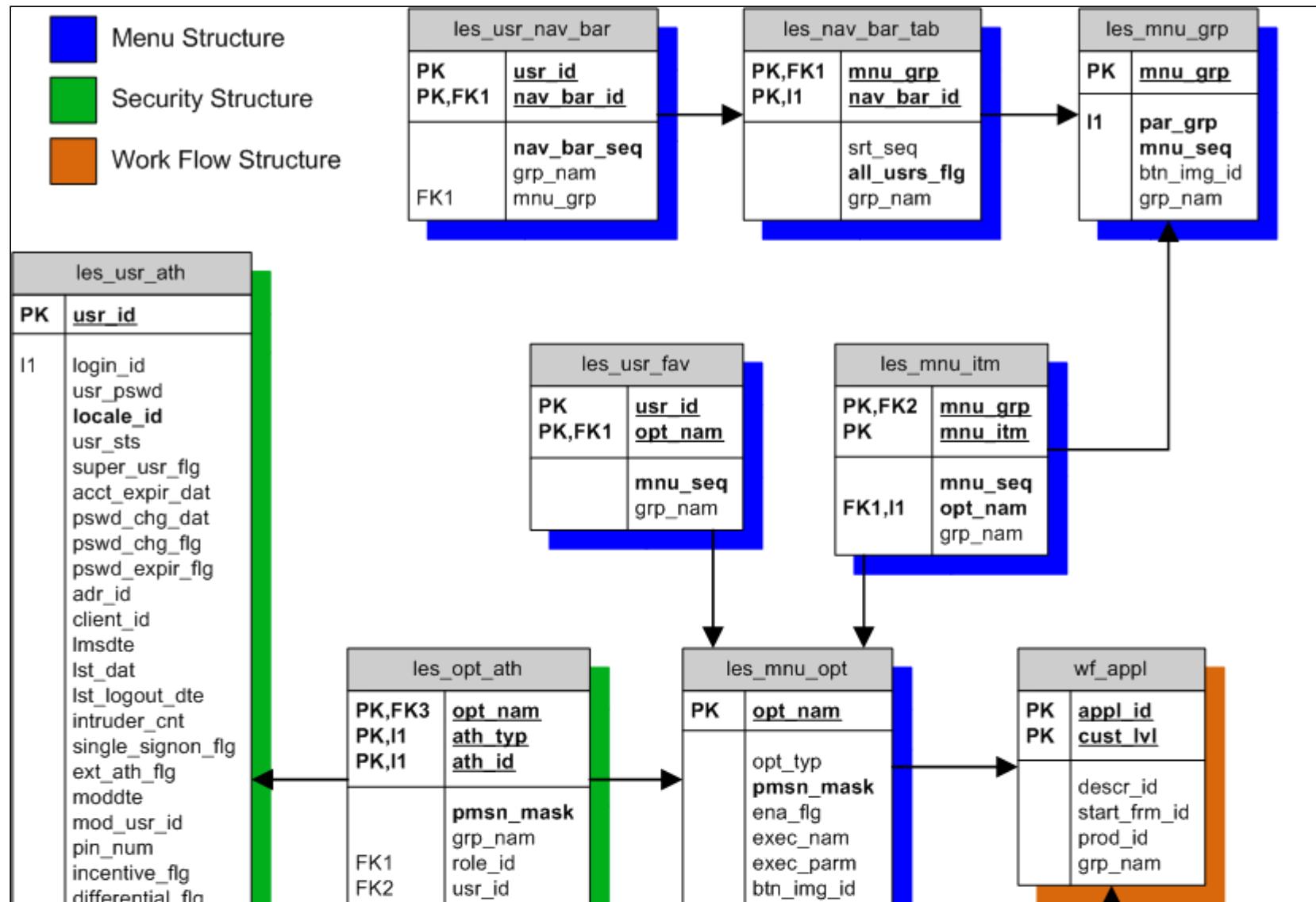
- 1 Table of Contents
- 2 Overview
- 3 Security and Application Work Flow Schema
- 4 Form and Variable Configuration Schema
- 5 Policy Schema
- 6 Internationalization
- 7 Address/Client Schema
- 8 DDA Schema

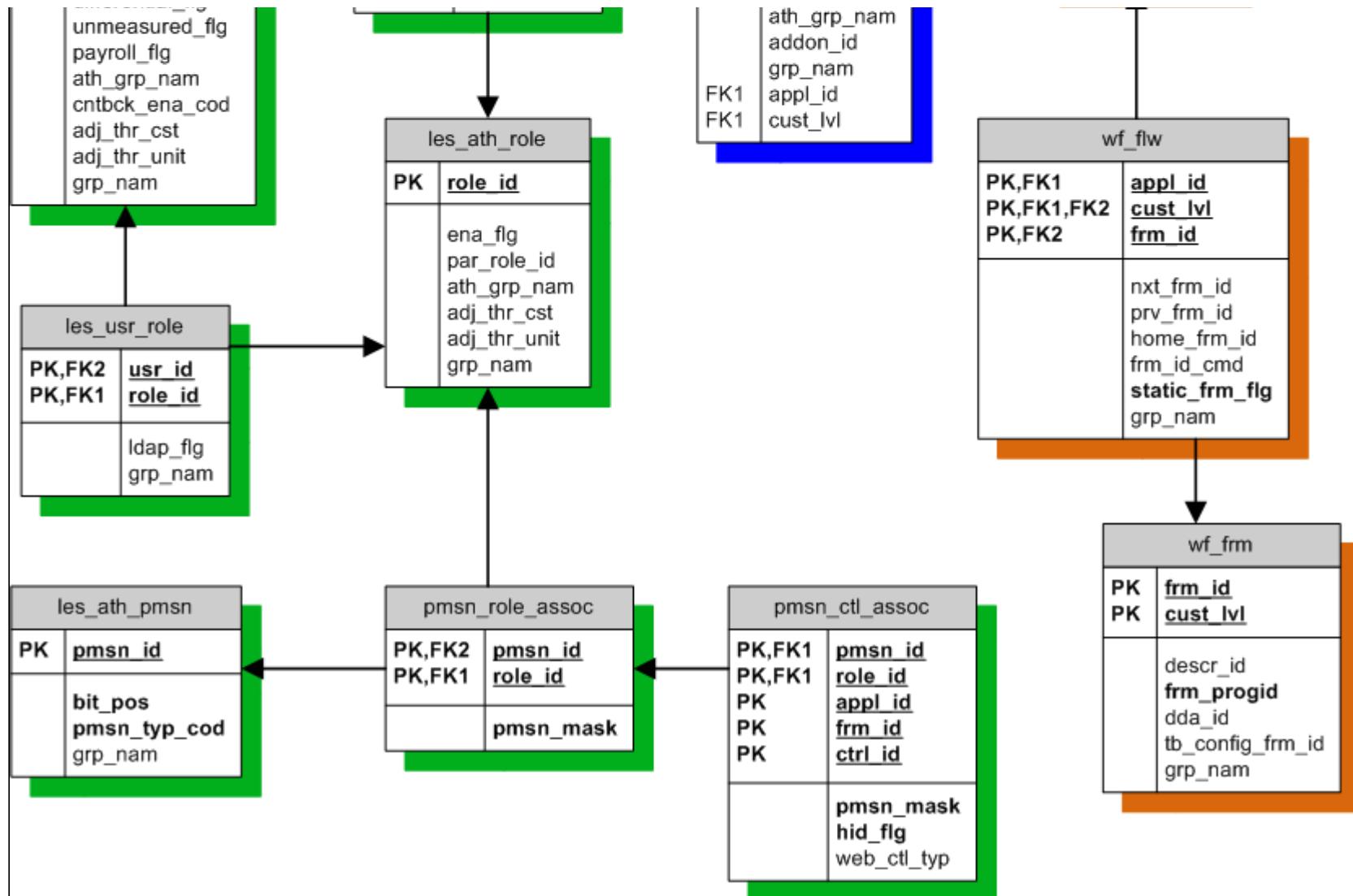
- 9 MCS Dashboard
- 10 Grid Configuration Schema
- 11 Profile Control Schema

Overview

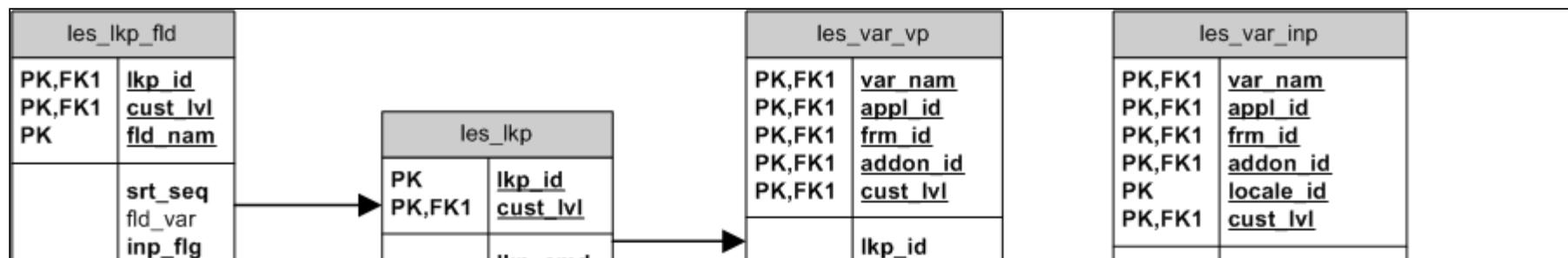
This document contains the database relationships for MCS

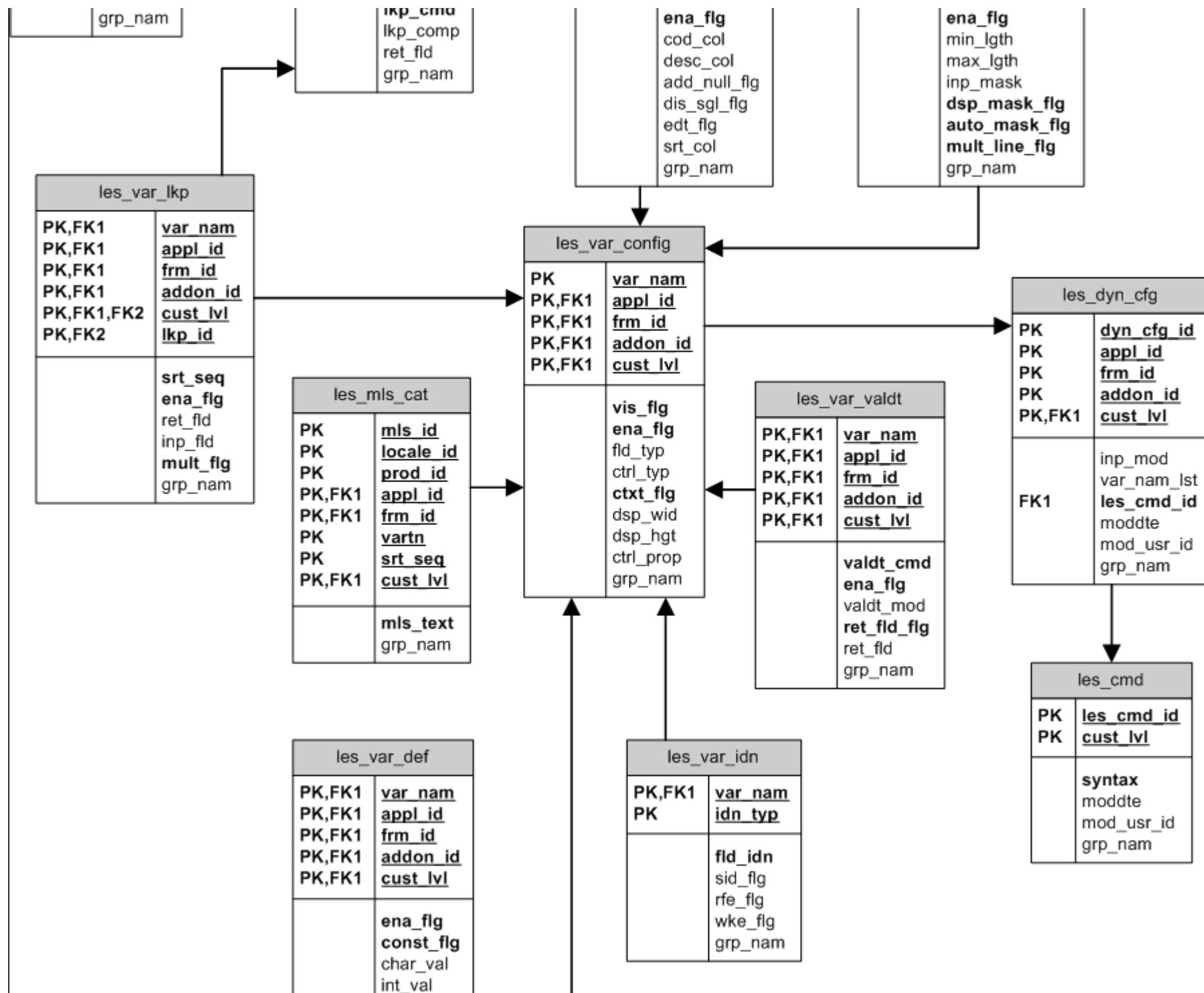
Security and Application Work Flow Schema





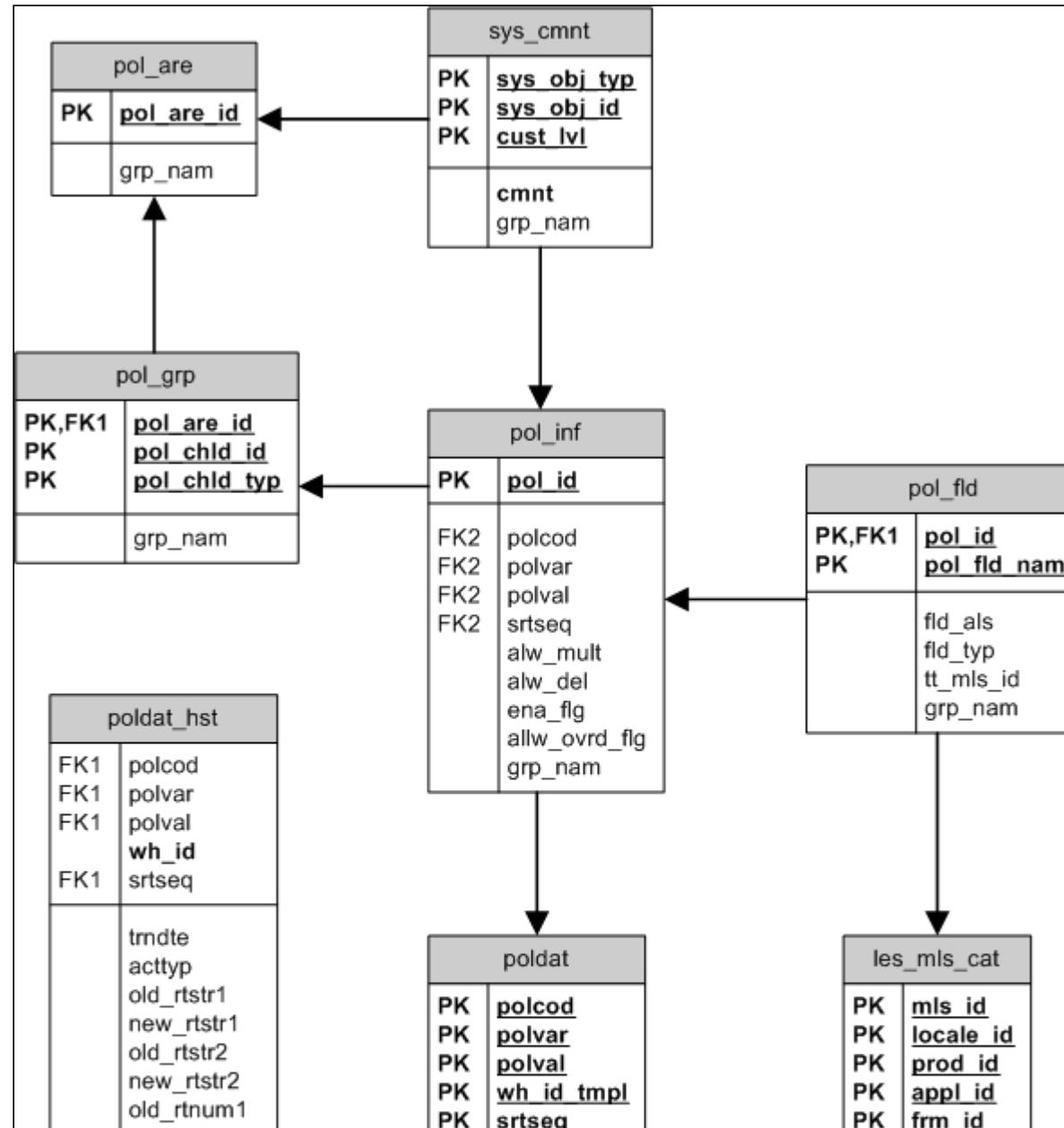
Form and Variable Configuration Schema

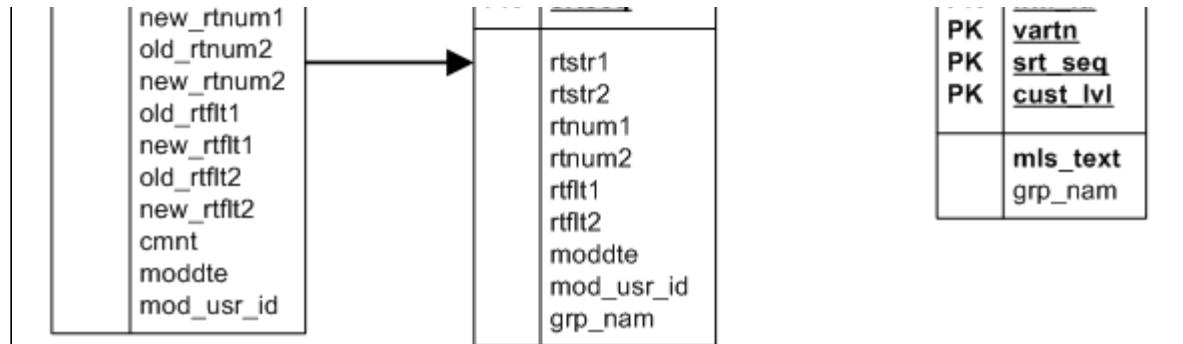




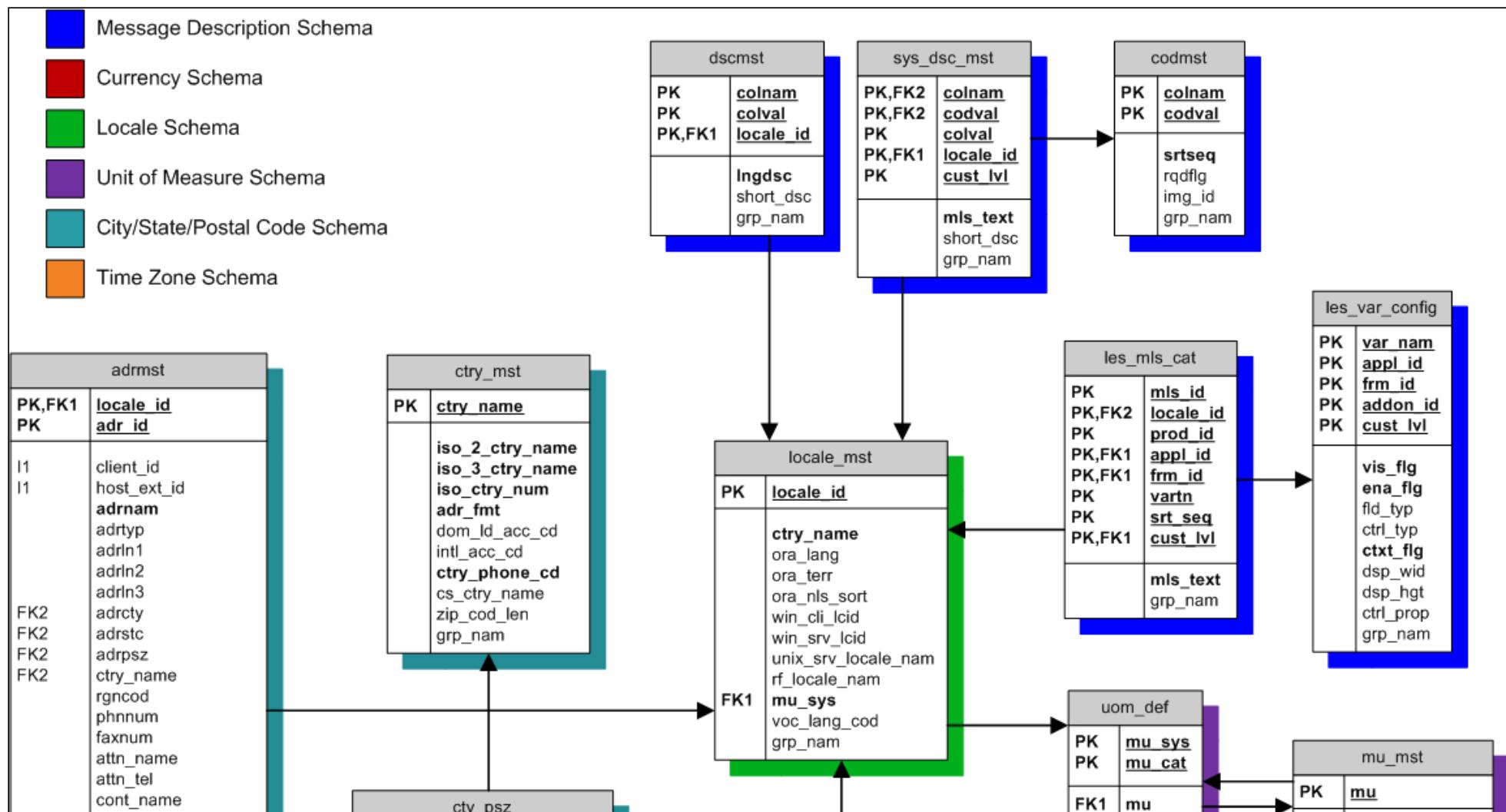
flt_val
dt_val
def_cmd
grp_nam

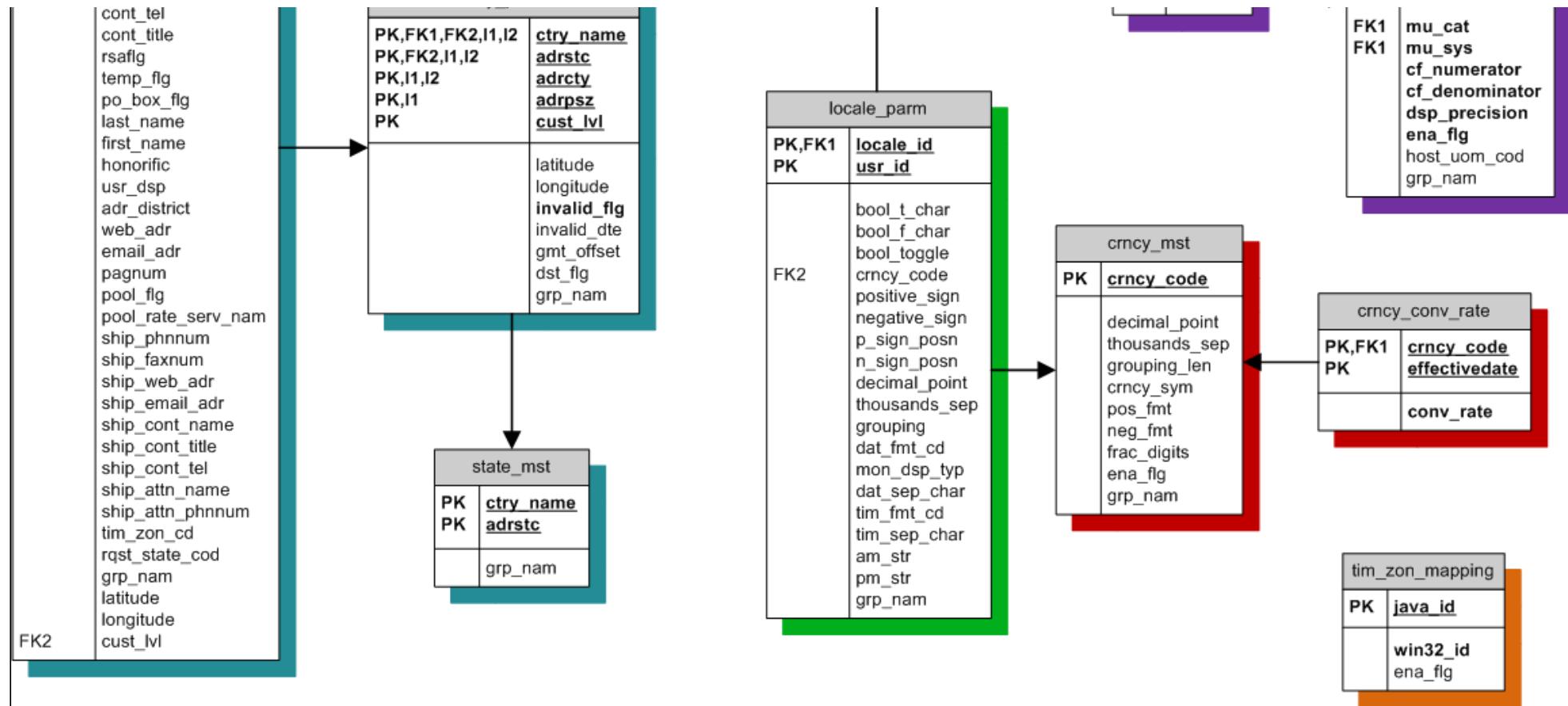
Policy Schema



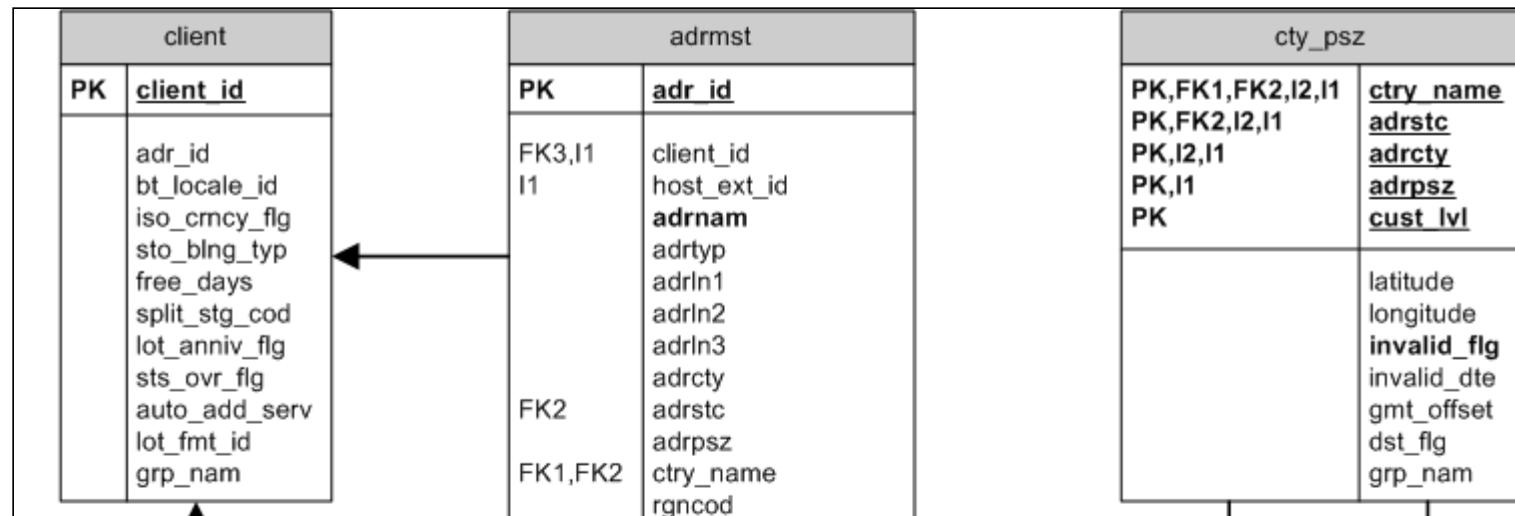


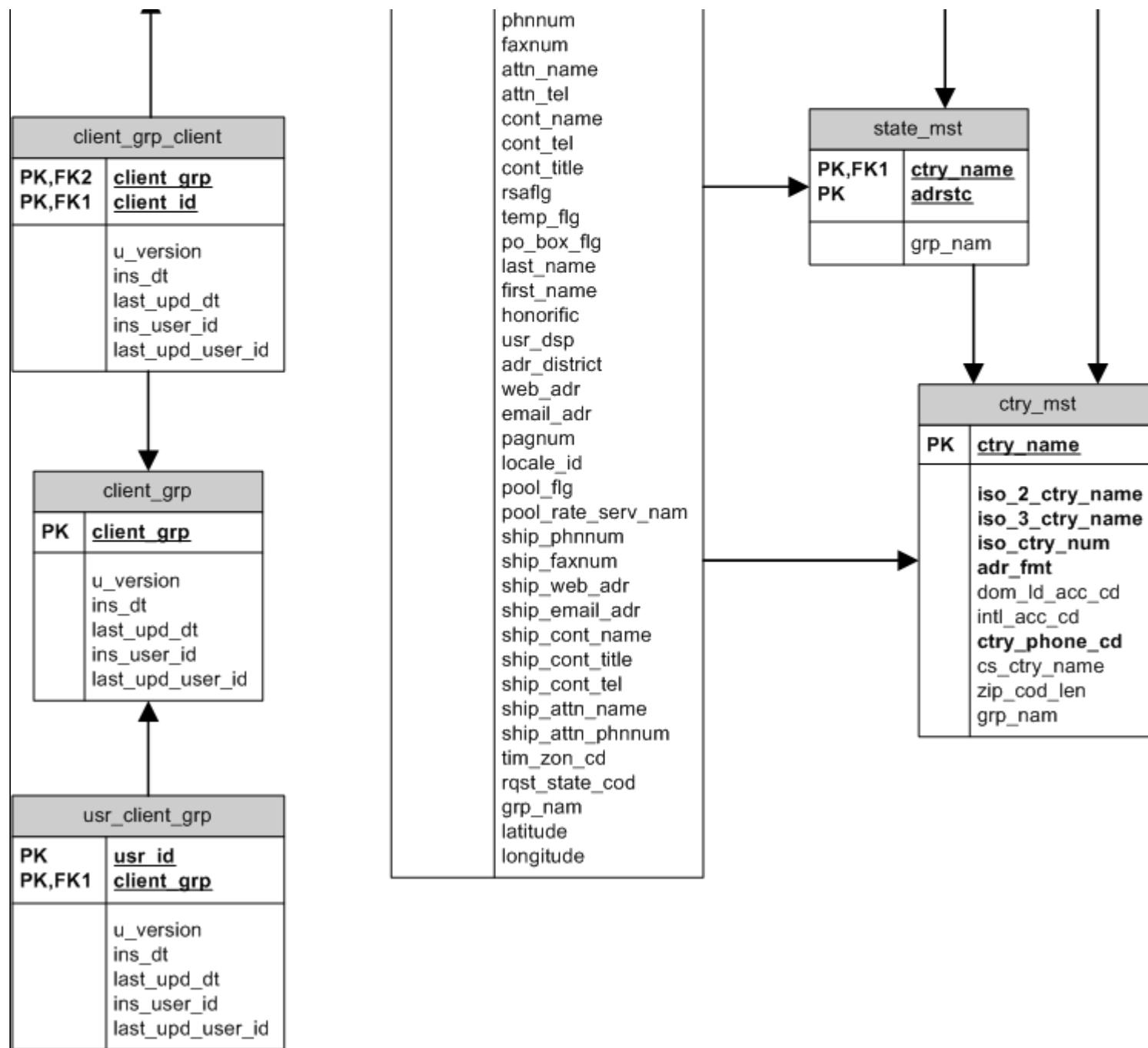
Internationalization





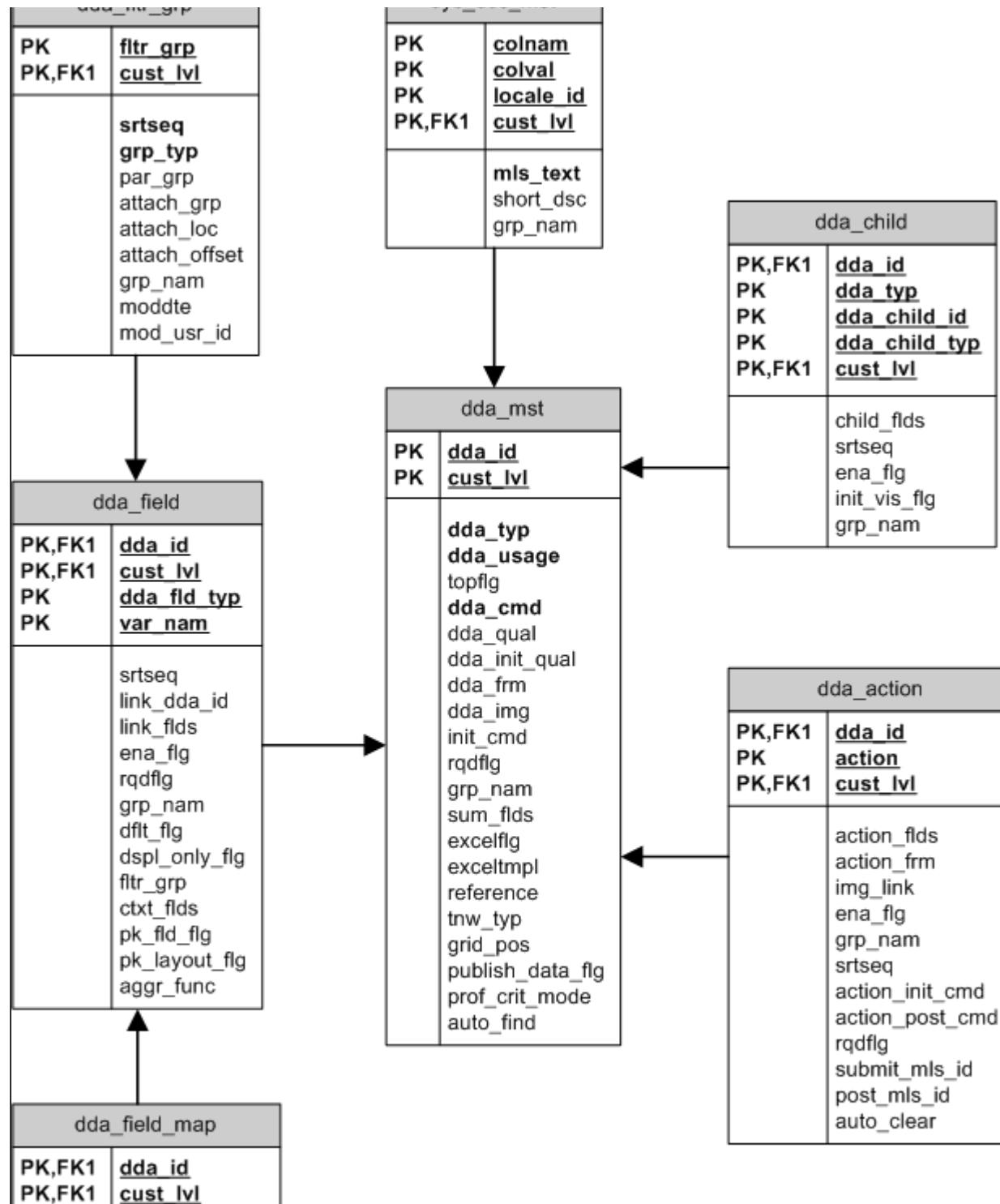
Address/Client Schema





DDA Schema

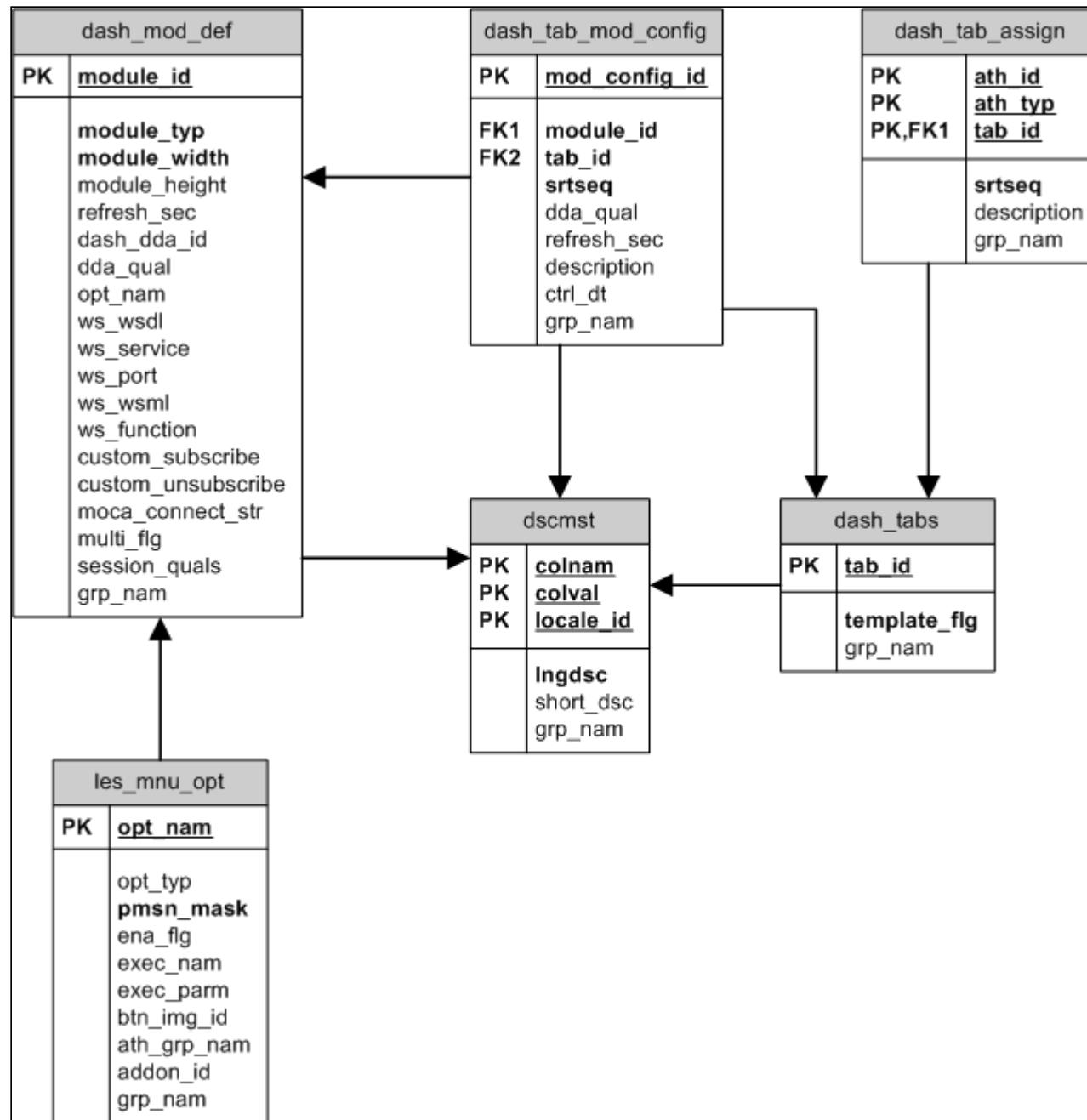




PK,FK1	<u>var_nam</u>
PK	<u>link_var_nam</u>
	<u>map_var_nam</u> grp_nam

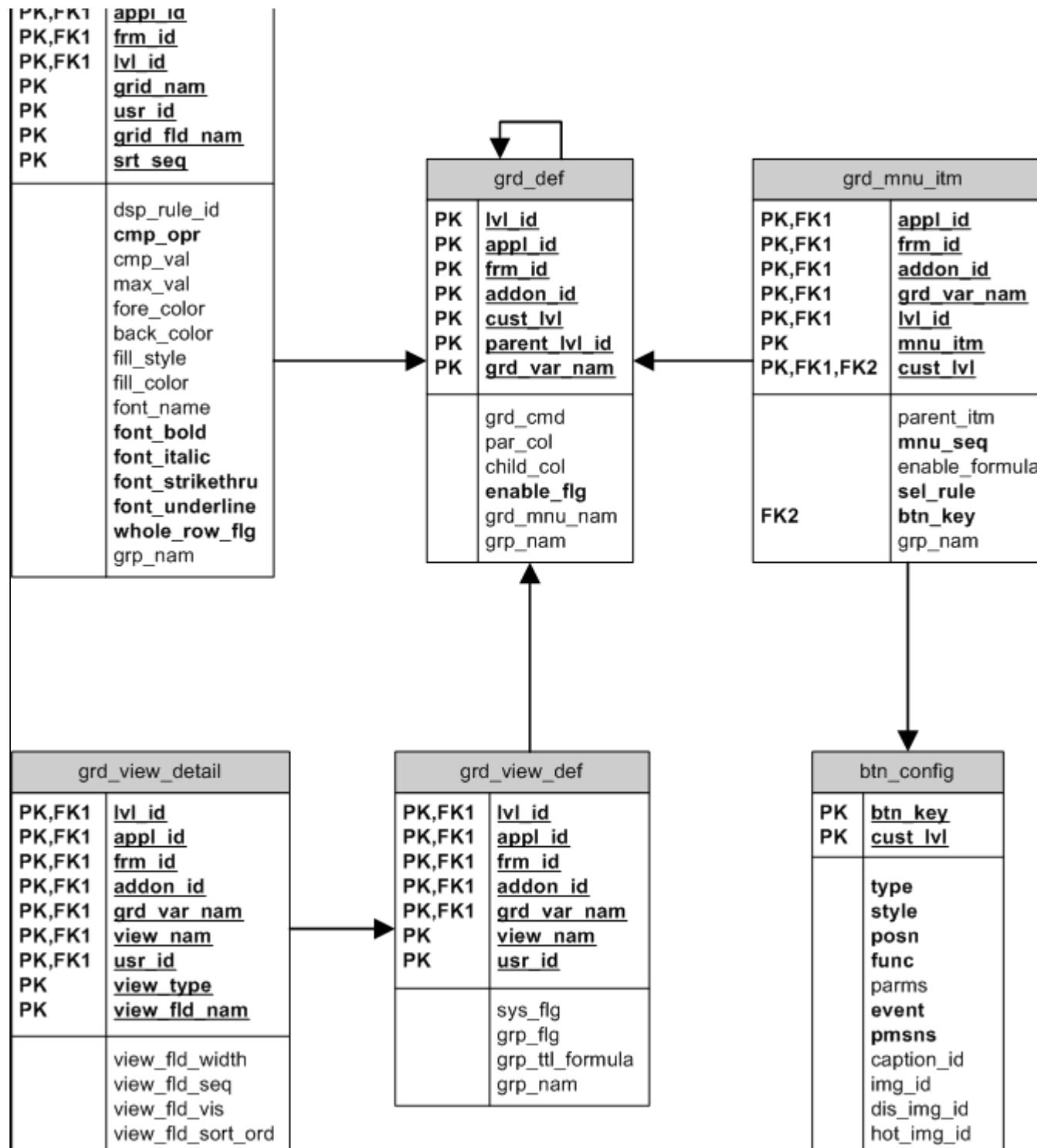
MCS Dashboard

The MCS dashboard schema includes the tables in which tab, module definition and module configuration data is stored. Module definition data can relate to DDA data if the module represents a DDA grid or chart.



Grid Configuration Schema

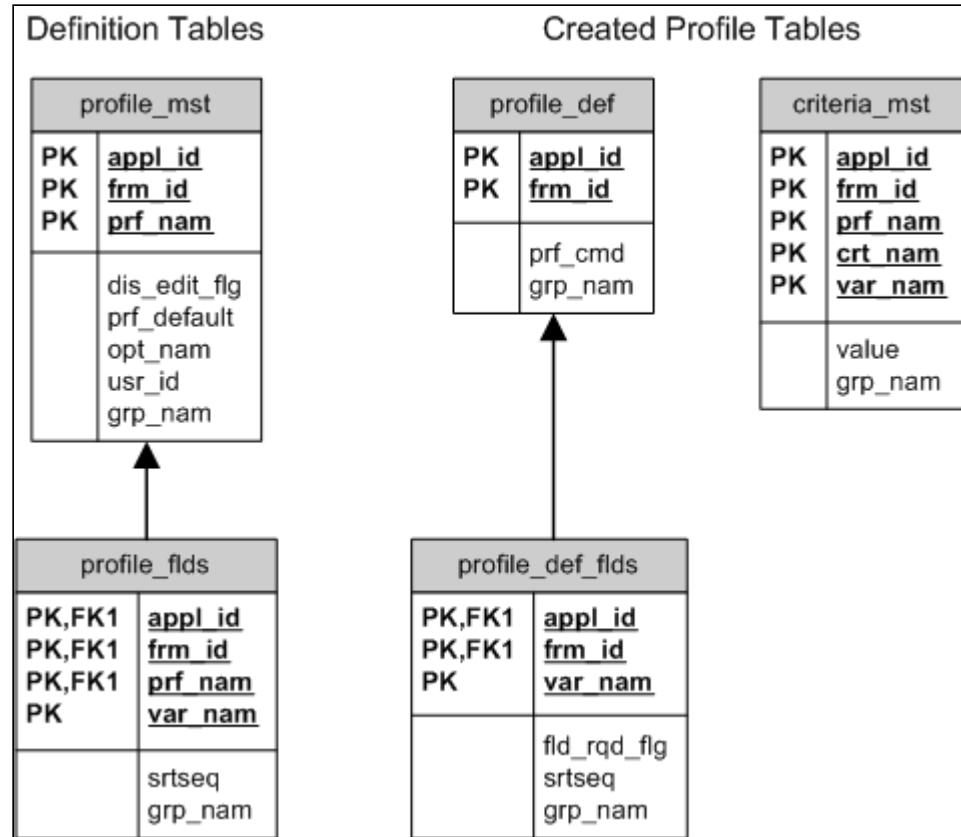




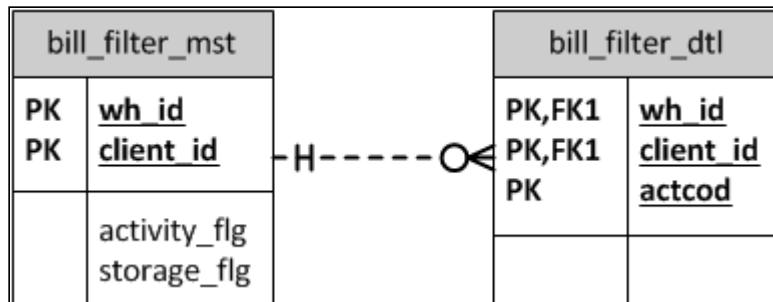
view_fld_sort_typ
view_grp_ord
view_formula
grp_nam

ttip_txt_id
cause_valdt
grp_nam

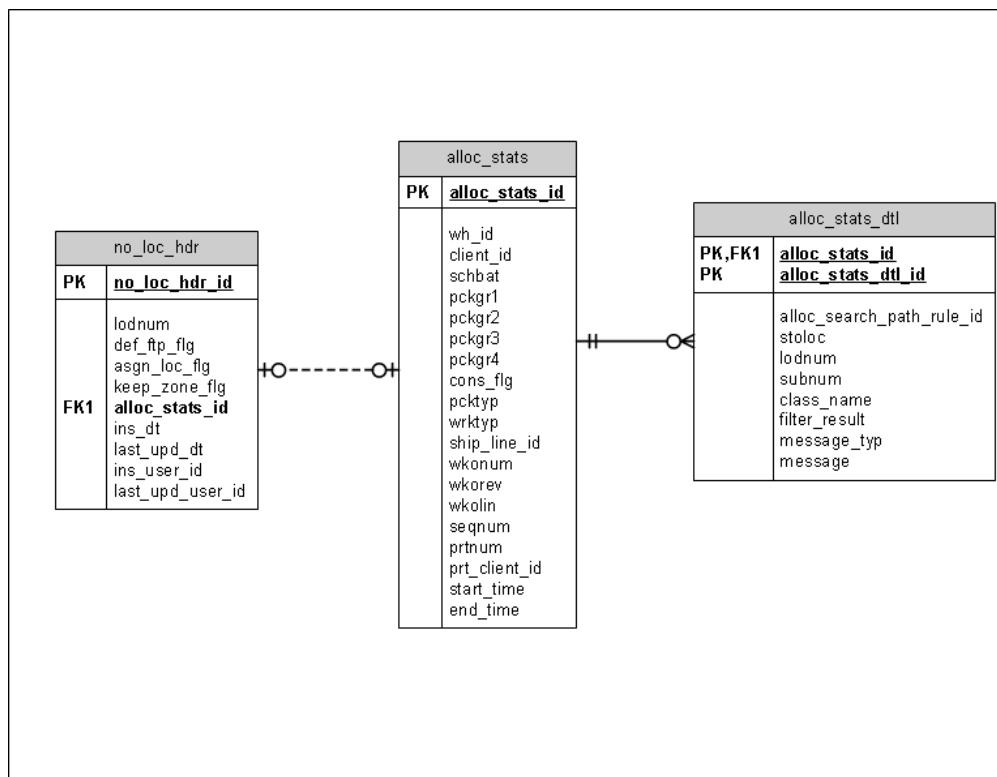
Profile Control Schema



Billing Integration Filter



Allocation Stats



Shipped LPN Activity

shipped_lpn_act	
PK	<u>shipped_lpn_act_id</u>
	shipped_lpn
	event_dte
	shipped_lpn_event
	cstnum
	client_id
	wh_id
	loduucc
	subucc
	ins_dt
	lodnum
	subnum
	dtlnum
	asset_id
	traknm
	lodlvl

Voice Assignment Summary Configuration

voc_assign_sum_cfg	
PK	wh_id
PK	colnam

ERD Pick Deduction Sequence for Order Type

ordtyp_pck_ded_seq	
PK	<u>ordtyp_pck_ded_seq_id</u>
I1	ordtyp
I1	lodlvl
I1	wrktyp
I1	wh_id
	table_nam
	field_name
	seqnum
	sort_order
	ins_dt
	last_upd_dt
	ins_user_id
	last_upd_user_id

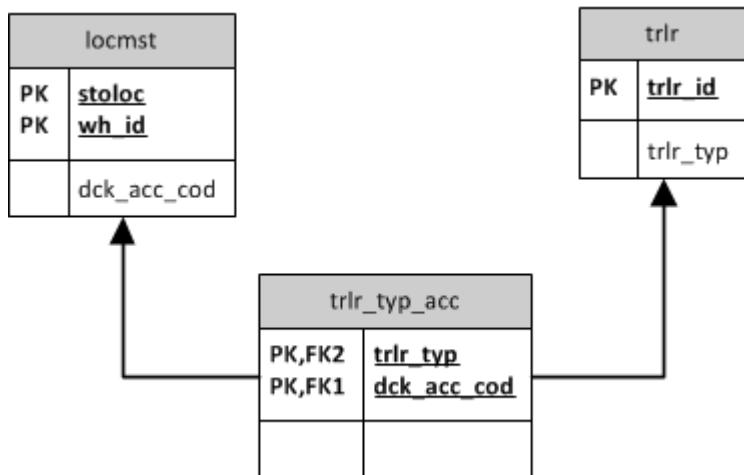
ERD Pick Deduction Sequence for Role

role_pck_ded_seq	
PK	<u>role_pck_ded_seq_id</u>
I1	role_id
I1	lodlvl
I1	wrktyp
	table_nam
	field_name
	seqnum
	sort_order
	ins_dt
	last_upd_dt
	ins_user_id
	last_upd_user_id

ERD Pick Deduction Sequence for Zone

pck_zone_pck_ded_seq	
PK	<u>pck_zone_pck_ded_seq_id</u>
I1	src_pck_zone_id
I1	lodlvl
I1	wrktyp
	table_nam
	field_name
	seqnum
	sort_order
	ins_dt
	last_upd_dt
	ins_user_id
	last_upd_user_id

ERD Trailer Type Access



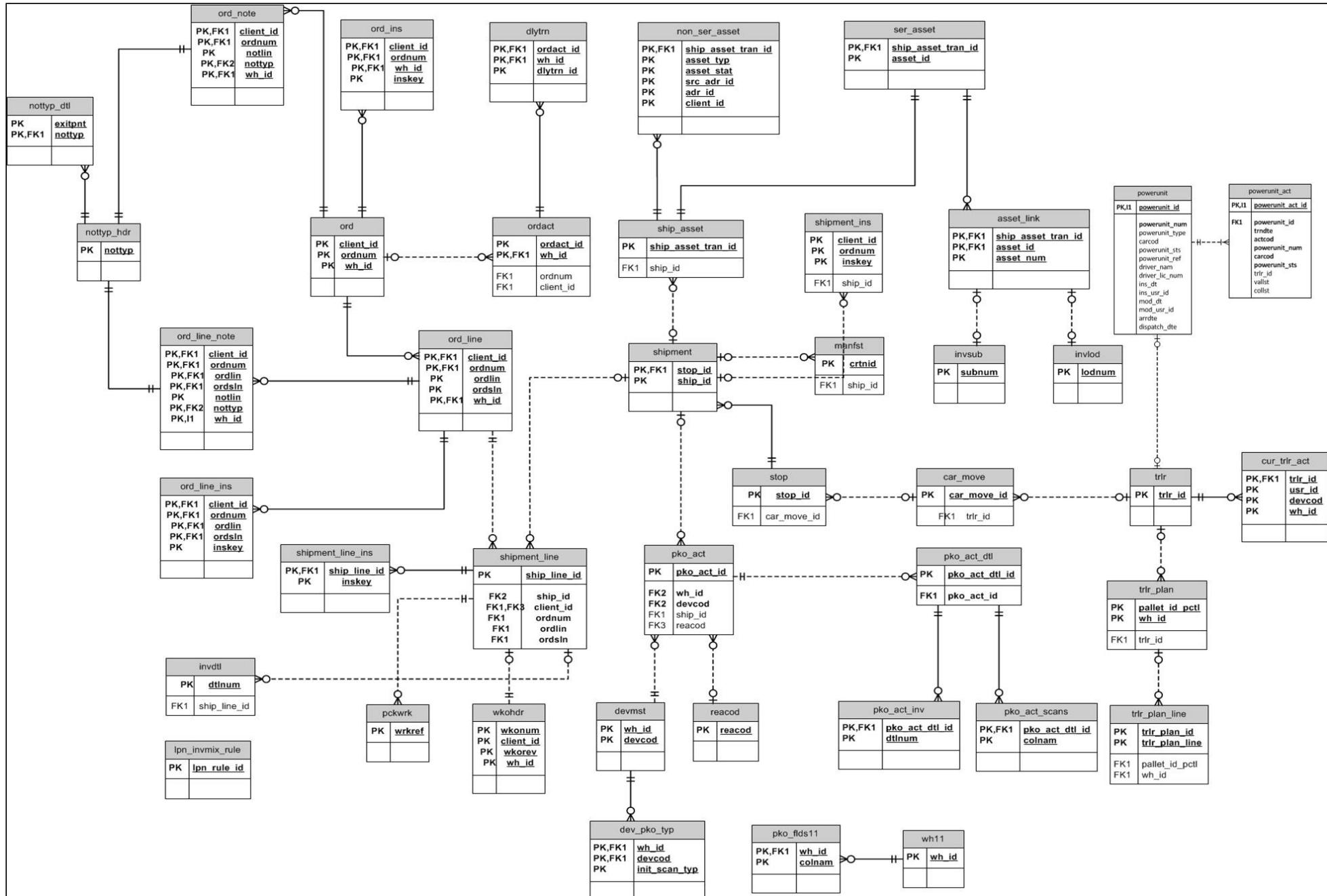
ERD Shipped LPN Activity

shipped_lpn_act	
PK	<u>shipped_lpn_act_id</u>
	shipped_lpn
	event_dte
	shipped_lpn_event
	cstnum
	client_id
	wh_id
	loduucc
	subucc
	ins_dt
	lodnum
	subnum
	dtlnum
	asset_id
	traknm
	lodlvl

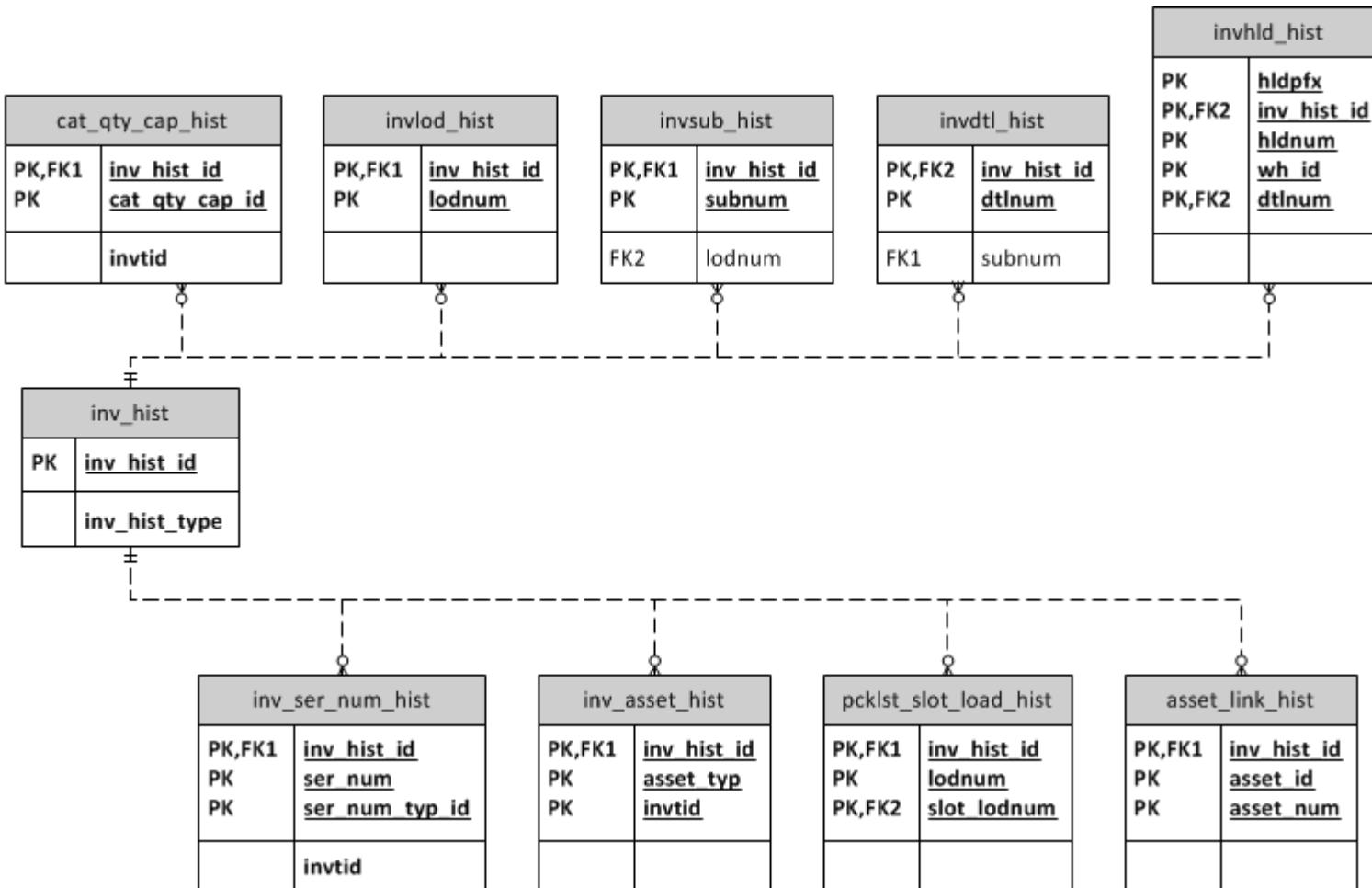
ERD Receiving Snapshot

rcv_snapshot	
PK	<u>snap_dte</u>
PK	<u>wh_id</u>
PK	<u>lodlvl</u>
	expqty
	idnqty
	rcvqty

ERD Tractor Snapshot

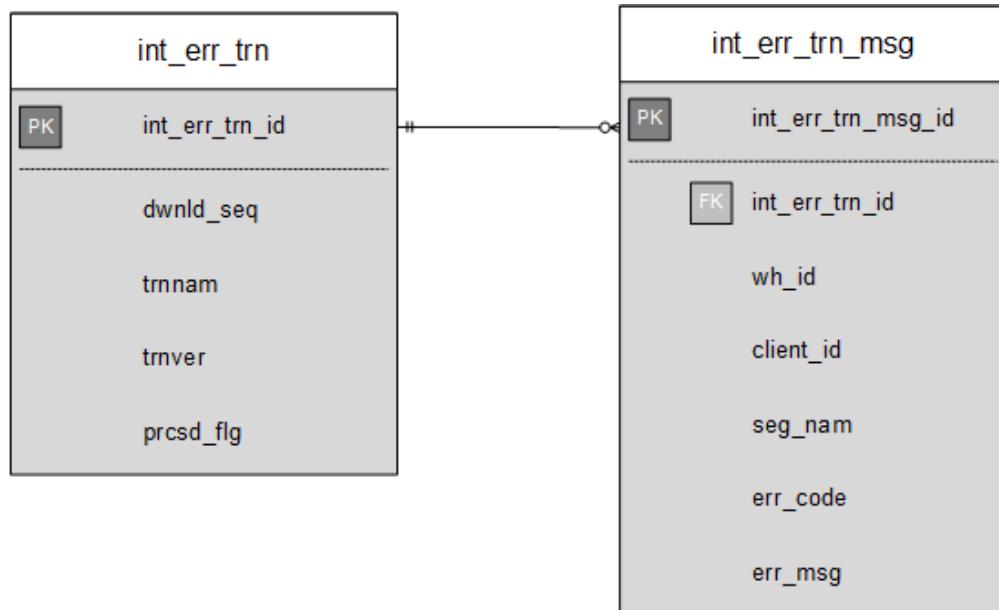


ERD Historical Inventory



equivalent indexes of original tables will exist on historical tables

ERD Integrator Download Full Validation



Latest MS Visio available does not support old format and hence using new ones.

Let [@Tez Kurmala](#) know if any concerns in not using 2010 visio colors/design.

ERD Sub-LPN Catch Quantity Config & Capture

catch_qty_cfg	
PK	client_id
PK	wh_id_tmpl
<hr/>	
	case_lvl_capture_flg
	delay_capture_flg
	allow_cancel_flg
	prompt_flg
	approval_required_flg
	min_xtrnc_prcnt
	max_xtrnc_prcnt

cat_qty_cap	
PK	cat_qty_cap_id
<hr/>	
	invtid
	oot_flg
	delay_flg
	cancelled_flg
	approved_flg
	approved_usr_id
	approval_dt
	cancelled_usr_id
	cancelled_dt

ERD WCS Master

wcsmst	
PK	<u>wh_id</u>
PK	<u>wcs_id</u>
	<u>sys_id</u> xdk_flg

ERD Cross Docking Enhancements

```
graph LR; cstmst[cstmst] --- csttyp_pfl[csttyp_pfl];
```

cstmst	
PK	<u>client_id</u>
PK	<u>cstnum</u>
	xdkflg

csttyp_pfl	
PK	<u>csttyp</u>
	xdkflg

wkodtl	
PK	<u>wkonom</u>
PK	<u>client_id</u>
PK	<u>wkorev</u>
PK	<u>wkolin</u>
PK	<u>seqnum</u>
PK	<u>wh_id</u>
	allow_xdkflg

wkohdr	
PK	<u>wkonom</u>
PK	<u>client_id</u>
PK	<u>wkorev</u>
PK	<u>wh_id</u>
	allow_xdkflg

ERD Work Order Putaway to Storage Transport Equipment

wkohdr	
PK	<u>wkonom</u>
PK	<u>client_id</u>
PK	<u>wkorev</u>
PK	<u>wh_id</u>
	<u>sto_te_flg</u>
	<u>trlr_id</u>

ERD Count Back in Bulk enhancements

The diagram shows a table structure with the following details:

- Table Name:** pck_zone
- Primary Key:** pck_zone_id
- Other Column:** cntbck_in_bulk_flg

Sin etiquetas