**11i & R12.2 Technical Upgrade Reference guide**

**Multi – Org Concept in Oracle Apps R12: MOAC (Multiorg Access Control)**
Multi-Org in simple term means the implementation of multiple business units (or Organization) under a single installation of Oracle Applications.
The concept of Multi-Org will manage the operations of an enterprise which has got subsidiaries across globe under a single oracle apps window, taking appropriate care of data security and data maintenance.
It decides how transactions flow through different organizations and how those organizations interact with each other.
1. By MOAC (Multiorg Access Control) , we can be able to access  multiple operating units at a time.
2. Mutiorg views were replaced with MOAC Based synonyms.
3. MO:Security Profile is a new profile added in R12.
4. VPD(Virtual Private Database) System will take care of  Data security in R12

**Org Initialisation process in R12 :**

begin
   mo\_global.set\_policy\_context('S','204');
 end;

**MOAC Synonym Initialisation :**
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 begin
   FND\_GLOBAL.APPS\_INTILISE('APPLICATION\_ID','RESPONSIBILTY\_ID,'USER\_ID');
   MO\_GLOBAL.INIT('SQLAP'); -- Application Short Name
 end;

**Modules Wise table changes 11i to R12**
**1) General Ledger :**
1.gl\_sets\_of\_books table was replaced with gl\_ledgers and gl\_ledger\_Sets.
2.4c’s comes in R12  Currency,Calendar,Chart of accounts, Accounting Convention , In 11i,  there are 3c’s ( Currency,Calendar,Chart of accounts).

**2) Accounts Payable :**
1.ap\_invoice\_lines\_all table added in R12.
2.ap\_invoice\_distributions\_all table populates the data when ever invoice gets accounted.
3.Supplier form was converted from form based solution to webbased solution.
4.po\_vendors tables replaced with ap\_suppliers tables.
5.Supplier and customer information was defined together Under TCA(Trading Community Architecture).
6.Accounting Tables were modified.
7.Both supplier and customer bank information was defined under payments(New application in R12) Application.

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| **11i Tables**  | **R12 Table** |
| po\_vendors                 | ap\_suppliers |
| po\_vendor\_sites\_all | ap\_supplier\_sites\_all |
| po\_vendor\_contacts | ap\_supplier\_contacts |
| ap\_banks                 | ce\_banks |
| ap\_bank\_branches | ce\_bank\_branches |
| ap\_ae\_headers\_all | xla\_ae\_headers |
| ap\_ae\_lines\_all          | xla\_ae\_lines |
| ap\_ae\_accounting\_events | xla\_events |

**3) Suppliers**
Additional supplier related tables in IBY (Payments) and HZ (TCA):
IBY\_EXTERNAL\_PAYEES\_ALL – stores Payee(supplier) information.
HZ\_PARTIES – Party data for the suppliers.
HZ\_PARTY\_SITES – Party site data for the supplier sites.

**4) Invoices:**
In 11i , Only two table ,AP\_INVOICES\_ALL, AP\_INVOICE\_DISTRIBUTIONS\_ALL but R12 Additional table  AP\_INVOICE\_LINES\_ALL
Allocations – AP\_CHRG\_ALLOCATIONS\_ALL is obsolete in R12.

**5) Bank Account Details**

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| **11i Tables**  | **R12 Table** |
| AP\_BANK\_ACCOUNTS\_ALL          | CE\_BANK\_ACCOUNTS |
| AP\_BANK\_ACCOUNT\_USES\_ALL  | CE\_BANK\_ACCT\_USES\_ALL |
| AP\_CHECK\_STOCKS\_ALL           | CE\_PAYMENT\_DOCUMENTS |

**6) Sub-ledger Accounting**
SLA is rule based accounting hub in Release 12 (R12) of the Oracle E-Business Suite of applications. SLA is used to derive all attributes required to account a transaction in Oracle General Ledger.
SLA can be configured in many ways to help derive accounting attributes such as the entered amount, accounted amount, date, currency code as well as the more complex attributes like ledger, code combination ID (CCID). SLA accounting attributes are interfaced to GL from SLA, thus in R12 no sub ledger application module (i.e. AP, PO, PA etc) interfaces the transactions directly to GL.

Create Accounting :  Subledger tables and xla\_events -> xla\_ae\_headers, xla\_ae\_lines and xla\_distribution\_links
Transfer to GL   -: xla\_ae\_headers and xla\_ae\_lines -> gl\_je\_headers and gl\_je\_lines
Post to GL        : gl\_je\_headers and gl\_je\_lines -> gl\_balances
Subledger Accounting Balances Update  :  xla\_ae\_headers and xla\_ae\_lines -> xla\_control\_balances.

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| **11i Tables**  | **R12 Table** |
| AP\_ACOCUNTING\_EVENTS\_ALL  | XLA\_EVENTS |
| AP\_AE\_HEADERS\_ALL                    | XLA\_AE\_HEADERS |
| AP\_AE\_LINES\_ALL                          | XLA\_AE\_LINES |

**7) Trial Balance:**
New R12 Table
XLA\_TRIAL\_BALANCES
AP\_LIABILITY\_BALANCE-> not used in new R12 transactions
AP\_TRIAL\_BALANCE -> not used in new R12 transactions.

**8) Taxes:**
Functionality provided by E-Business Tax
New tables in R12
ZX\_LINES – Detailed Tax lines for the invoice (trx\_id = invoice\_id)
ZX\_LINES\_SUMMARY – Summary tax lines for the invoice (trx\_id = invoice\_id)
ZX\_REC\_NREC\_DIST – Tax distributions for the invoice (trx\_id = invoice\_id)
ZX\_LINES\_DET\_FACTORS – Tax determination factors for the invoice (trx\_id = invoice\_id)

**9) Order Management**
RA\_CUSTOMERS ,RA\_SITE\_USES\_ALL ,RA\_ADDRESSES\_ALL views were removed in R12. in place of ra\_customers,ra\_site\_uses\_all,ra\_addresses\_all views need to use the below mentioned base tables.

HZ\_CUST\_ACCOUNTS
HZ\_PARTIES
HZ\_CUST\_SITE\_USES\_ALL
HZ\_CUST\_ACCT\_SITES\_ALL
HZ\_PARTY\_SITES
HZ\_LOCATIONS