Oracle ERP View Documentation: AP.AP_INVOICES_ALL

Overview

The `AP.AP_INVOICES_ALL` table in Oracle ERP contains comprehensive invoice-related information used in the Accounts Payable (AP) module. It supports tracking invoice creation, payment status, approval workflows, tax calculations, discounts, currency handling, and project accounting linkage. This table is crucial for financial reporting, auditing, and ERP process automation.

Core Invoice Information

1. INVOICE_ID: Primary key; unique identifier for the invoice.
2. INVOICE_NUM: Invoice number from vendor.
3. INVOICE_DATE: Date invoice was issued.
4. INVOICE_AMOUNT: Total invoice amount in original currency.
5. INVOICE_CURRENCY_CODE / PAYMENT_CURRENCY_CODE: Currency used.
6. PAYMENT_CROSS_RATE / PAYMENT_CROSS_RATE_TYPE / DATE: Cross rate info.
7. BASE_AMOUNT: Base invoice amount (before tax/adjustments).
8. AMOUNT_PAID: Amount paid against the invoice.
9. TAX_AMOUNT / TOTAL_TAX_AMOUNT / VALIDATED_TAX_AMOUNT: Tax details.
10. DISCOUNT_AMOUNT_TAKEN / AMOUNT_APPLICABLE_TO_DISCOUNT: Discount tracking.

Vendor & Organizational Info

11. VENDOR_ID / VENDOR_SITE_ID / REMIT_TO_SUPPLIER_ID / NAME / SITE: Supplier details.
12. ORG_ID / EXPENDITURE_ORGANIZATION_ID: Organizational ownership.
13. PARTY_ID / PARTY_SITE_ID / RELATIONSHIP_ID: Legal entities and business relationships.
14. VENDOR_CONTACT_ID / INTERNAL_CONTACT_EMAIL: Contact metadata.

Document & Currency Control

15. DOC_SEQUENCE_ID / VALUE / CATEGORY_CODE: Document control data.
16. EXCHANGE_RATE / TYPE / DATE: Invoice exchange rate.
17. MRC_* FIELDS: Multi-reporting currency support (amounts, rate, date).

Approval & Workflow

18. APPROVAL_STATUS / APPROVAL_DESCRIPTION / APPROVAL_READY_FLAG / ITERATION: Invoice approval tracking.
19. WFAPPROVAL_STATUS: Workflow approval state.
20. CREATED_BY / CREATION_DATE / LAST_UPDATED_BY / LAST_UPDATE_DATE / LOGIN: Audit metadata.

Status & Lifecycle

21. POSTING_STATUS: Status in General Ledger.
22. PAYMENT_STATUS_FLAG: Paid, partially paid, or pending.
23. CANCELLED_DATE / BY / AMOUNT / TEMP_CANCELLED_AMOUNT: Cancellation lifecycle.
24. HISTORICAL_FLAG / FORCE_REVALIDATION_FLAG: Archiving and validation override flags.
25. STATUS_LOOKUP_CODE: General lifecycle status.

26. PREPAY_FLAG / RECURRING_PAYMENT_ID / ORIGINAL_PREPAYMENT_AMOUNT: Prepayment and recurring data.
27. PO_MATCHED_FLAG / PO_HEADER_ID / QUICK_PO_HEADER_ID: PO matching flags and references.

Accounting & Project Linkage

28. ACCTS_PAY_CODE_COMBINATION_ID: Code combo for AP distribution.
29. TERMS_ID / TERMS_DATE: Payment terms setup.
30. PROJECT_ID / TASK_ID / EXPENDITURE_TYPE / ITEM_DATE / CONTEXT: Project accounting.
31. PA_QUANTITY / PA_DEFAULT_DIST_CCID / AWARD_ID: Quantity and project cost centers.
32. DISTRIBUTION_SET_ID: Distribution sets tied to the invoice.
33. USSGL_TRANSACTION_CODE / CONTEXT: US Standard General Ledger linkage.

Additional Functional Attributes

34. ATTRIBUTE1 ' ATTRIBUTE15 / CATEGORY: Custom invoice fields.
35. GLOBAL_ATTRIBUTE1 ' GLOBAL_ATTRIBUTE20 / CATEGORY: Cross-org attributes.
36. AUTO_TAX_CALC_FLAG: Tax calculated automatically?
37. QUICK_CREDIT / CREDITED_INVOICE_ID: Credit memo linkage.
38. REFERENCE_1 to REFERENCE_5 / KEY1'KEY5: Miscellaneous reference metadata.
39. DOCUMENT_SUB_TYPE / PRODUCT_TABLE: Type-specific document info.
40. EXCLUDE_FREIGHT_FROM_DISCOUNT / DISC_IS_INV_LESS_TAX_FLAG: Discount rules.
41. ORIGINAL_INVOICE_AMOUNT: Reference before discount/tax.
42. PAYMENT_REASON_CODE / COMMENTS / FUNCTION / METHOD_CODE: Payment metadata.
43. DELIVERY_CHANNEL_CODE / PAYMENT_METHOD_LOOKUP_CODE / PAY_GROUP_LOOKUP_CODE: Payment grouping and channel.
44. PAYMENT_AMOUNT_TOTAL / PAY_CURR_INVOICE_AMOUNT / CONTROL_AMOUNT: Payment metrics.
45. NET_OF_RETAINAGE_FLAG / RELEASE_AMOUNT_NET_OF_TAX: Construction-focused fields.

Taxation & Remittance

46. SELF_ASSESSED_TAX_AMOUNT / SUPPLIER_TAX_INVOICE_*: Supplier tax fields.
47. TAX_INVOICE_RECORDING_DATE / INTERNAL_SEQ / TAX_RELATED_INVOICE_ID: Recorded tax info.
48. TAXATION_COUNTRY / USER_DEFINED_FISC_CLASS / TRX_BUSINESS_CATEGORY: Regional fiscal grouping.
49. REMITTANCE_MESSAGE1 ' 3 / UNIQUE_REMITTANCE_IDENTIFIER / URI_CHECK_DIGIT: Remittance metadata.
50. BANK_CHARGE_BEARER / EXTERNAL_BANK_ACCOUNT_ID: Bank payment handling.

Validation & Dispute

51. VALIDATION_REQUEST_ID / VALIDATION_WORKER_ID: Validation process.
52. DISPUTE_REASON: Reasons blocking invoice payment.
53. PAID_ON_BEHALF_EMPLOYEE_ID / REQUESTER_ID: Employee association.
54. CUST_REGISTRATION_CODE / NUMBER / PORT_OF_ENTRY_CODE: Regulatory info.

Inferred Relationships & Business Logic

Oracle ERP View Documentation: AP.AP_INVOICES_ALL

- The table links to Vendors, Purchase Orders, Employees, Projects, and General Ledger via keys like VENDOR_ID, PO_HEADER_ID, PROJECT_ID, TASK_ID, etc.
- Approval and validation go through defined workflow statuses and iterations.
- Supports international, multi-currency, tax compliance, and MRC reporting.
- Flexible attribute fields allow extension to support diverse enterprise requirements.
- Project-based cost tracking and US SGL compliance show support for government and grant-funded project management environments.

Additional Insight

Given the complete field set, `AP.AP_INVOICES_ALL` serves as the cornerstone of invoice lifecycle tracking within Oracle ERP. It is highly normalized, capable of handling global operations, and aligns with SOX-compliant audit principles. Its structure supports integration with procurement, treasury, projects, and tax modules, offering a holistic foundation for managing financial liabilities across complex enterprises.