

Developer Guide for KSA e-Invoicing Integration Phase

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Storage (UDFs)

Company Object

Storage (UDFs)	Type	Description
IsKSAPhase2Applicable	Logical	Enablement of the integration phase
KSAPhase2ApplicableDate	Date	Integration phase start date
KSA_Einv_Detail_VRNTYPE	String	Company VRN Type Selection as per company criteria 1) Company Registration 2) Headquarter Registration
KSA_Einv_Detail_CRN	String	Commercial Registration No
KSA_Einv_Detail_MOM	String	Momrah License
KSA_Einv_Detail_MLSD	String	MHRSD License
KSA_Einv_Detail_Sagia	String	MISA license
KSA_Einv_Detail_OtherId	String	Other ID Name
KSA_Einv_Detail_IDNumber	String	Other ID

KSA_Einv_Detail_BuildingNo	String	Building No.
KSA_Einv_Detail_City	String	City
KSA_Einv_Detail_District	String	District
KSA_Einv_Detail_700No	String	700 No.
CMP_KSA_Pincode	String	Pincode
Cmp_KSA_State_Arabic	String	State name In Arabic
KSAEInvoiceArchivePathPhase2	String	ZATCA Compliance XML and PDF A3 Archive Path for integration phase
CMPeInvEndDate	Date	Generation Phase End Date
GVatCMP_KSA_City	String	City in Arabic
GVatCMP_KSA_District	String	District in Arabic
CMPeInvApplicableDate	Date	Generation Phase Start Date
IsCMPEInvApplicable	logical	Generation phase Enablement
KSA_Einv_Detail_OtherId_Arabic	String	Storage Implemented for "Other ID" Description in Arabic Language

Additional storage has been implemented for Arabic details in the multi-address form. The existing storage will be used for other fields. Below, we have mentioned the additional address fields specifically added for the Arabic language in the multi-address form:

Storage (UDFs)	Type	Description
CompanyAddressNative_Aggr_KSA	Aggregate	Aggregate Used for Arabic Address in Multi-Address Form
CompanyNameNative_AddrType_KSA	String	Arabic Name of the company
CompanyAddressNative_AddrType_KSA	Date	Arabic Address of the company
CompanyCountryNative_AddrType_KSA	String	City in Arabic

Additional storage has been added for the region in English in the multi-address form:

StateName_AddrType_KSA	String	Region of the company
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Ledger Object

Storage (UDFs)	Type	Description
Ledger_KSA_VRN_Type	String	Ledger VRN Type Selection as per company criteria 1) Company Registration 2) Headquarter Registration
LED_BuyerID_Details_TIN	String	Tax Identification Number
LED_BuyerID_Details_CRN	String	Commercial Registration No.
LED_BuyerID_Details_MOM	String	Momrah License
LED_BuyerID_Details_MLSD	String	MHRSD License
LED_BuyerID_Details_s700	String	700(Only for B2C)
LED_BuyerID_Details_Sagia	String	MISA License
LED_BuyerID_Details_NationlID	String	National ID
LED_BuyerID_Details_GCCId	String	GCC ID

LED_BuyerID_Details_Iqma_Number	String	Iqama Number (IQA)
LED_BuyerID_Details_PassportID	String	Passport ID
LED_BuyerID_Details_OtherId	String	ID Name
Ledger_KSA_BuildingNo	String	Building Number
Ledger_KSA_City	String	Ledger City
Ledger_KSA_District	String	Ledger District
Ledger_KSA_Pincode	String	Ledger Pincode
LedgerCategoryReason	String	If Taxability is under Zero rated, Exempt, Not VATABLE then Reason is mandatory for e-Invoice generation (Selection is available in Ledger Master). List of code and its details added in a table below
LedgerCategoryReasonCode	String	If Taxability is under Zero rated, Exempt, Not VATABLE then Reason is mandatory for e-Invoice generation (Selection is available in Ledger Master). List of code and its details added in a table below
Ledger_TypeofCharges	String	A dropdown will be available with 172 options mapped with charge codes. (Selection is available in Ledger Master). List of code and its details added below.
Ledger_ChargeCode	String	A dropdown will be available with 172 options mapped with charge codes (you can find Charges Code details) for einvoice generation charges code is mandatory. Condition: This field is to be added when the parent group name is one of the following: 1. Direct Expenses

		<ol style="list-style-type: none"> 2. Direct Incomes 3. Expenses (Direct) 4. Expenses (Indirect) 5. Income (Direct) 6. Income (Indirect) 7. Indirect Expenses 8. Indirect Incomes <p>List of code and its details added below</p>
LedgerCategoryReasonArabic	String	In case of non-vatable ledger Arabic reason is mandatory
Ledger_KSA_AdditionalID	String	Ledger Addition ID
GVatLedger_KSA_City	String	Ledger City in Arabic
GVatLedger_KSA_District	String	District in Arabic
LED_BuyerID_Details_IdNo	String	Other ID No
DescriptionKSAArabic	String	Arabic Description storage Added in Ledger master and item master
GVatLedger_KSA_state	String	Ledger State in Arabic
LED_BuyerID_Details_OtherId_Arabic	String	Additional ID description in Arabic for the Party Ledger

Stock Item Object

Storage (UDFs)	Type	Description
ItemCategoryReason	String	Exempt, Not VATABLE then Reason is mandatory for e-Invoice generation (Selection is available in Item Master) (List of code and its details added below)
ItemCategoryReasonCode	String	If Taxability is under Zero rated, Exempt, Not VATABLE then Reason

		code is mandatory for e-Invoice generation (List of code and its details added below)
ItemCategoryReasonArabic	String	In case of non-vatable ledger Arabic reason is mandatory
DescriptionKSAArabic	String	Arabic Description storage Added in Ledger master and item master

Voucher Object

Storage (UDFs)	Type	Description
einvoice_generate_Status	String	Value Should be "P" if e-Invoice get generated
einvoice_signedInvoice	String	After successful generation of e-Invoice signedInvoice receiving from e-Invoicing system
einvoice_signedQRCode	String	After successful generation of e-Invoice signedQRCode receiving from e-Invoicing system
einvoice_qrCode	String	After successful generation of e-Invoice qrCode receiving from e-Invoicing system
einvoice_qrCodeData	String	After successful generation of e-Invoice qrCodeData receiving from e-Invoicing system
einvoice_qrCodeHash	String	After successful generation of e-Invoice qrCodeHash receiving from e-Invoicing system
einvoice_qrCodeUUID	String	After successful generation of e-Invoice UUID receiving from e-Invoicing system

OverrideCategoryReasonCode	String	The Code for the category reason, which has been overridden in the transaction
OverrideCategoryReason	String	The description for the category reason, which has been overridden in the transaction, in English
OverrideCategoryReasonArabic	String	The description for the category reason, which has been overridden in the transaction, in Arabic
VchWarningMsg	String	After successful generation of E-Invoice if any Warning comes then it will store in this UDF
VchErrorMsg	String	If any document rejected from E-Invoice System, then rejected reason will store in this UDF
VchRejectEinvoice	Logical	If any document rejected from E-Invoice System this method should be "yes"
VcheInvAmountDue	Amount	The outstanding amount that is requested to be paid. This amount is the Invoice total amount with VAT minus the pre-paid amount that has been paid in advance plus Rounding Amount. The amount is zero in case of a fully paid Invoice.
CreditnoteCodeKSA	String	Credit note Reason code is required for e-Invoicing (List of code and its details below)
ReceiptCategoryReason	String	If Taxability is under Zero rated, Exempt, Not VATABLE then Reason is mandatory for e-Invoice

		generation (Selection is available in receipt Transaction Advance Payment scenario)
ReceiptCategoryReasonCode	String	If Taxability is under Zero rated, Exempt, Not VATABLE then Reason is mandatory for e-Invoice generation (Selection is available in receipt Transaction Advance Payment scenario)
einvoice_generatedDateKSA	String	e-Invoice Generated Date
einvoice_generatedTimeKSA	String	e-Invoice Generated Time
KSAGVATTransNature	String	Nature of transaction UDF Added in Receipt Transaction in Advance Payment Scenario.
KSA_CategoryCode_Export_GCC_Exempt	String	If Party ledger belongs to unregistered and non KSA Country, then at voucher level User must select Category Code and its reason for e-Invoicing.
KSA_CategoryCode_Nonvatable_Reason	String	If Party ledger belongs to unregistered or non KSA Country, then at voucher level UDF Added under show e-invoice Details.
KSA_CategoryCode_Nonvatable_Reason_Arabic	String	If Party ledger belongs to unregistered or non KSA Country, then at voucher level UDF Added under show e-invoice Details.
VcheInvAdvanceAmount	Amount	Advance Amount UDF added under show e-invoice Details.
VCHAddressNativeAggr	String	Aggregate added in supplementary details for buyer address in Arabic under mailing details in local language

VchMailingNameNative	String	Mailing name in Arabic added in supplementary details under mailing details in local language
VCHAddressNative	String	Mailing address in Arabic added in supplementary details under mailing details in local language
VCHCityNative	String	City name in Arabic (party details in supplementary form) under mailing details in local language
VCHDistrictNative	String	district in Arabic (party details in supplementary form) under mailing details in local language
BasicUserDescriptionArabicAggr	String	the Arabic basic user description aggregate added below the default item description or ledger description
BasicUserDescriptionArabic	String	Arabic Basic User Description Storage Added below default item description or ledger description
ReceiptCategoryReasonArabic	String	in case of non-vatable Arabic category Reason is mandatory in advance receipt storage added for user input
VCHeInvTotalAmt_KSA_Integ_phase	Amount	Total invoice Amount
VCHeInvVATAmt_KSA_Integ_phase	Amount	Total Vat Amount
VCHeInvActualAmt_KSA_Integ_phase	Amount	Total invoice Amount for which e-invoice generated (to check tempered Invoice)
TaxNatureTrans	String	Nature of transaction in advance receipt Voucher
VCHeInvCompanyName	String	Company name

VCHeInvVATNumber	String	Party vat tin number
VCHeInvTime	String	Invoice generated Time
VCHeInvDate	String	Invoice date
TaxNatureTrans	String	Added nature of transaction in Advance Receipt
KSA_Vch_TypeofAddress	String	Added Storage for Address Type Selection in Voucher Level under 'Show E-Invoice Details' to Use Multi-Address value.

Credit Note / Debit Note Reason List

Code	Description
CAN	Cancellation or suspension of the supplies after its occurrence either wholly or partially
ASUP	In case of essential change or amendment in the supply, which leads to the change of the VAT due
ASUPV	Amendment of the supply value which is pre-agreed upon between the supplier and consumer
REF	In case of goods or services refund
CHG	In case of Change in Seller's or Buyer's information

VAT Category Code and Text

Exemption from Tax	
Code	English Text

VATEX_SA_29	Financial services mentioned in Article 29 of the VAT Regulations
VATEX_SA_29_7	Life insurance services mentioned in Article 29 of the VAT Regulations
VATEX_SA_30	Real estate transactions mentioned in Article 30 of the VAT Regulations

Zero rated goods	
Code	English Text
VATEX_SA_32	Export of goods
VATEX_SA_33	Export of services
VATEX_SA_34_1	The international transport of Goods
VATEX_SA_34_2	International transport of passengers
VATEX_SA_34_3	Services directly connected and incidental to a Supply of international passenger transport
VATEX_SA_34_4	Supply of a qualifying means of transport
VATEX_SA_34_5	Any services relating to Goods or passenger transportation, as defined in article twenty-five of these Regulations
VATEX_SA_35	Medicines and medical equipment
VATEX_SA_36	Qualifying metals
VATEX_SA_EDU	Private education to citizen
VATEX_SA_HEA	Private healthcare to citizen
VATEX_SA_MLTRY	Supply of qualified military goods
VATEX_SA_EDU	Private education to citizen

VATEX_SA_HEA	Private healthcare to citizen
VATEX_SA_MLTRY	Supply of qualified military goods

Services outside scope of tax / Not subject to VAT/(Non Vatable)

Code	English Text
VATEX_SA_OOS	Reason is free text, to be provided by the taxpayer on case-to-case basis.

Charges Ledger Master Code list

Code	Ledger Name
AA	Advertising allowance
AAA	Telecommunication charges
AAB	Returned goods charges
AAC	Modification costs
AAD	Job-order production
AAE	Outlays
AAF	Off-premises surcharge
AAG	Gold surcharge
AAH	Processing surcharge
AAI	Attestation fee

AAJ	Copper surcharge
AAK	Energy surcharge
AAL	Deduction for missing parts
AAM	Rubber surcharge
AAN	Brass surcharge
AAO	Material surcharge/deduction
AAP	Lead surcharge
AAQ	Price index surcharge
AAR	Platinum surcharge
AAS	Acceptance cost
AAT	Rush delivery
AAV	Special construction charge
AAY	Airport facilities
AAZ	Concession
ABA	Compulsory storage
ABB	Fuel removal
ABC	Into plane
ABD	Overtime
ABF	Tooling
ABK	Miscellaneous
ABL	Additional packaging

ABN	Dunnage
ABR	Containerisation
ABS	Carton packing
ABT	Hessian wrapped
ABU	Polyethylene wrap packing
ACF	Miscellaneous treatment
ACG	Enamelling treatment
ACH	Heat treatment
ACI	Plating treatment
ACJ	Painting
ACK	Polishing
ACL	Priming
ACM	Preservation treatment
ACS	Fitting
ADC	Consolidation
ADE	Bill of lading
ADJ	Airbag
ADK	Transfer
ADL	Slipsheet
ADM	Binding
ADN	Repair or replacement of broken returnable package

ADO	Efficient logistics
ADP	Merchandising
ADQ	Product mix
ADR	Other services
ADT	Pick-up
ADW	Chronic illness
ADY	New product introduction
ADZ	Direct delivery
AEA	Diversion
AEB	Disconnect
AEC	Distribution
AED	Handling of hazardous cargo
AEF	Rents and leases
AEH	Location differential
AEI	Aircraft refueling
AEJ	Fuel shipped into storage
AEK	Cash on delivery
AEL	Small order processing service
AEM	Clerical or administrative services
AEN	Guarantee
AEO	Collection and recycling

AEP	Copyright fee collection
AES	Veterinary inspection service
AET	Pensioner service
AEU	Medicine free pass holder
AEV	Environmental protection service
AEW	Environmental clean-up service
AEX	National cheque processing service outside account area
AEY	National payment service outside account area
AEZ	National payment service within account area
AJ	Adjustments
AU	Authentication
CA	Cataloguing
CAB	Cartage
CAD	Certification
CAE	Certificate of conformance
CAF	Certificate of origin
CAI	Cutting
CAJ	Consular service
CAK	Customer collection
CAL	Payroll payment service
CAM	Cash transportation

CAN	Home banking service
CAO	Bilateral agreement service
CAP	Insurance brokerage service
CAQ	Cheque generation
CAR	Preferential merchandising location
CAS	Crane
CAT	Special colour service
CAU	Sorting
CAV	Battery collection and recycling
CAW	Product take back fee
CD	Car loading
CG	Cleaning
CS	Cigarette stamping
CT	Count and recount
DAB	Layout/design
DAD	Driver assigned unloading
DL	Delivery
EG	Engraving
EP	Expediting
ER	Exchange rate guarantee
FAA	Fabrication

FAB	Freight equalization
FAC	Freight extraordinary handling
FC	Freight service
FH	Filling/handling
FI	Financing
GAA	Grinding
HAA	Hose
HD	Handling
HH	Hoisting and hauling
IAA	Installation
IAB	Installation and warranty
ID	Inside delivery
IF	Inspection
IR	Installation and training
IS	Invoicing
KO	Koshering
L1	Carrier count
LA	Labelling
LAA	Labour
LAB	Repair and return
LF	Legalisation

MAE	Mounting
MI	Mail invoice
ML	Mail invoice to each location
NAA	Non-returnable containers
OA	Outside cable connectors
PA	Invoice with shipment
PAA	Phosphatizing (steel treatment)
PC	Packing
PL	Palletizing
RAB	Repacking
RAC	Repair
RAD	Returnable container
RAF	Restocking
RE	Re-delivery
RF	Refurbishing
RH	Rail wagon hire
RV	Loading
SA	Salvaging
SAA	Shipping and handling
SAD	Special packaging
SAE	Stamping

SAI	Consignee unload
SG	Shrink-wrap
SH	Special handling
SM	Special finish
SU	Set-up
TAB	Tank renting
TAC	Testing
TT	Transportation – third party billing
TV	Transportation by vendor
V1	Drop yard
V2	Drop dock
WH	Warehousing
XAA	Combine all same day shipment
YY	Split pick-up
ZZZ	Mutually defined

e-Invoice enablement for the voucher type

To enable e-Invoicing for a voucher type; new storage 'IsVchTypeInvApplicable' is introduced.

; to Check e-invoice yes or no

[Field : VTYP KSAInvoiceEnable]

Use : Logical Field

Storage : IsVchTypeInvApplicable

Skip on : \$HasVouchers And \$IsVchTypeInvApplicable

Set Always : Yes

QR Code Part

In Comprehensive Invoice

[Part: EXPINV VATGCCQRCodeArabic]

QR Code : @SignedQrcode:Yes
SignedQrcode : @@PrintafterSaveQR (formula Added below)
Line : VATGCCQRCodeDetails
Common Border : Yes
Invisible : \$\$IsEmpty:@@PrintafterSaveQR

In Simple Invoice

[Part: EXPSMP VATGCCQRCode]

QR Code : @SignedQRCode:Yes
SignedQRCode : @@PrintafterSaveQR (formula Added below)
Line : EXPSMPVATGCCQRCodeDetails
Invisible : \$\$IsEmpty:@@PrintafterSaveQR

In POS Invoice

[Part: KSA_eInvoice PrintExp QRC]

QR Code : @SignedQrCode:Yes
SignedQrCode : @@PrintafterSaveQR
Line : Empty
Horizontal Align : Center
Invisible : \$\$IsEmpty:@@PrintafterSaveQR

System Formula

[System : Formula]

```
PrintafterSaveQR:If Not $$IsEmpty:$einvoice_signedQRCode then $einvoice_signedQRCode + ElseIf  
$$number:##MasterID_PrintAfterSave = $$number:$MasterID then  
##QRCodeString_PrintAfterSave +  
Else ""
```



Note : @@EInvoiceQRCodeKsa can be used to print the QR code from previously saved vouchers as required. The key difference is that if the 'Print after save' option is enabled in the voucher type, the QR code may not print at that moment. In such cases, you can utilize the formula mentioned above to ensure the QR code is printed.

Function – SubmitForKSAEInvoice

The function is designed to submit a transaction for e-Invoice generation by calling an external import utility or API.

The function will accept a MasterID as input, which corresponds to a specific transaction. This transaction will then be submitted for e-Invoice generation. Upon submission, the function will capture and store the success or failure response directly within the transaction

Example

```
 $$SubmitForKsaEinvoice:(ID:324)
```



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