

QR-bill extension for Paynet XML2003, SAP IDOC and EDIFACT D01b

QR-relevant data in the respective formats | Paynet system

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1 Introduction

This document shows the extensions/changes to QR-bill in the respective formats such as Paynet XML2003, SAP IDOC and EDIFACT D01b. Details about EIXML2013 can be found in the separate specification.

2 QR-relevant data per format

2.1 Paynet XML 2003

QR-relevant data in XML-FSCM-INVOICE-2003. QR-relevant data (QR reference, QR IBAN) can be delivered in XML-FSCM-INVOICE-2003A in the following elements.

BILLER

XML Tag	Format	Type	Description
<BILLER>	-	A, 1	Service provider
<Tax-No>	an, 1..35	E, 0..1	VAT number (UID)
<Doc-Reference>	an, 1..35	E, 0..1	ISR reference (CHF), QR reference , IPI reference (foreign currency) or creditor reference (SCOR) .
Type		Attr., 0..1	Defines the type of reference type. The following settings are possible. ESR-NEU = Payment order with reference number, new (default) ESR-ALT = Payment order with reference number, old QRR = QR-bill (must contain the code QRR when using a QR IBAN) SCOR = creditor reference (ISO 11649) IPI = IPI document (international deposit slip)
...			
<BANK-INFO>	-	A, 0..1	The account information is mandatory for some recipients.
<Acct-No>	an, 1..35	E, 1	Account number VESR participant number (for ISR processes) Or IBAN or QR IBAN

PAYMENT-TERMS

XML Tag	Format	Type	Description
<PAYMENT-TERMS>	-	A, 1	
<BASIC>	-	A, 1	
Payment type	an, 1..3	Attr., 0..1	<p>Defines the payment type. The following values are possible:</p> <p>ESR = Payment order with reference number (fixed amount)</p> <p>ESP = Payment order with reference number (variable amount)</p> <p>NPY = No payment; use for direct debit invoice and notification.</p> <p>QR = QR bill</p>

2.2 SAP IDOC

HEADER DATA: Reference data

Segment	Occurrence	Form.	Description
<E1EDK02>	0..20 / M		Reference data
<QUALF>	0..1 / O	An, 3	<p>IDOC qualifier reference document</p> <p>Relevant code values which must be delivered in the message</p> <ul style="list-style-type: none"> • 001: Customer purchase order • 002: Supplier order • 009: Invoice number • 011: Referenced invoice number (for reminders) • 012: Delivery slip number • 087: Document number • 019: ISR reference for ISR payments • 021: Account allocation information header • 040: QR reference or creditor reference (SCOR) • 084: VAT number of the service recipient • ZIT: Here the effective customer number is also transmitted <p>For others see code values for this attribute</p>
Segment	Occurrence	Form.	Description
<BELNR>	0..1 / O	An, 35	Depending on which code value is used in <QUALF>.

			<ul style="list-style-type: none"> • Invoice number • Invoice reference for reminder • ISR reference for code value 019 • QR reference or creditor reference (SCOR) for qualifier 040
<DATE>	0..1 / O	An, 8	Format YYYYMMDD <ul style="list-style-type: none"> • Transaction date, mandatory for code value 009

HEADER DATA: Bank details

Segment	Occurrence	Form.	Description
<E1EDK28>	0..20 / O		Bank details
<BCOUN>	0..1 / O	An, 3	Country code
<BRNUM>	0..1 / O	An, 17	Bank code, BC number, or BIC, ISR = "001996" (PostFinance in accordance with SKS)
<BNAME>	0..1 / O	An, 70	Bank name
<BALOC>	0..1 / O	An, 70	Bank domicile
<ACNUM>	0..1 / O	An, 30	Bank account number
<ACNAM>	0..1 / O	An, 35	Account holder
< BIBAN >	0..1 / O	An, 34	QR IBAN number for a QR-bill

2.3 EDIFACT

This corresponds in the EANCOM subset of EDIFACT D01b:

QR reference:

Contents /condition	Segment group	Segment xxxx xxxx	Field group	Field	Field name	Contents	Example
Data contents	SG50	RFF	C506	1154	Reference identifier		RFF+PQ:90003519625690000000000003'
Condition	SG50	RFF	C506	1153	Reference code qualifier	PQ = Payment reference	

QR IBAN:

Contents /condition	Segment group	Segment xxxx xxxx	Field group	Field	Field name	Contents	Example
Data contents	SG8	FII	C078	3194	Account holder identifier		FII+RB+CH9300762011623852957+KREDBEBB:25:5:762::example bank'
Condition	SG8	FII		3035	Party function code qualifier	RB = Receiving financial institution	

3 Mapping to the individual formats

The following tables show where the QR-relevant data can be found for each message type and what the mapping should look like.

3.1 QR-bill with QR IBAN and QR reference

Data	EIXML2003/EIXML2013	IDOC	EDIFACT
QR reference	BILLER/Doc reference and Attr. Type = QRR	E1EDK02/BELNR with E1EDK02/QUALF=040	SG50.SG51.RFF-C506.1154 with.1154="PQ"
QR IBAN	BILLER/BANK-INFO/Acct-No	E1EDK28/BIBAN	SG8.FII.C078.3194 and SG8.FII.3035="RB"

3.2 Qr-bill with IBAN and SCOR reference

Data	EIXML2003/EIXML2013	IDOC	EDIFACT
SCOR reference	BILLER/Doc reference and Attr. Type = SCOR	E1EDK02/BELNR with E1EDK02/QUALF=040	SG50.SG51.RFF-C506.1154 with.1154="PQ"
IBAN	BILLER/BANK-INFO/Acct-No	E1EDK28/ACNUM	SG8.FII.C078.3194 and SG8.FII.3035="RB"

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