



Belgacom Mobile Proximus

Electronic Billing Implementation Guidelines Versie 4.0

Document Control

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17/06/2009	4.00	Update EDI - USAGE bill : § 3.4, 3.5, 3.6 Split EDI in 2 file : Invoice and Datasheet + Product code list updated Update ETIS XML - USAGE bill : § 4.2, 4.3, 4.4 Split ETIS XML in 2 files : Invoice and Datasheet + Product code list updated



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1 Introduction

1.1 General information on Electronic Billing

Proximus has launched the e-Billing project to offer legal, dematerialized, electronic invoices towards its customers. Via the CertiOne platform of Certipost, business customers can download Proximus electronic invoices in their preferred format to integrate them into their accounting systems or invoice analyzer tools.

The CertiOne e-Billing platform ensures a 100% secure and legal solution: it is fully compliant with the European Directive (implemented in Belgian legislation since 1/1/2004) and guarantees the authenticity of origin and the integrity of the exchanged invoices, through EDI or advanced electronic signatures.

During the legally defined period (10 years), the electronic invoices are archived in an online archive (6 months - online access via a website) and offline archive (10 years - on CD-ROM). Archived invoices can be searched and visualised in a human readable format (PDF), and all information related to the e-invoice transaction is available.

1.2 References to Standards

The implementation of the Electronic Billing has been based on a number of internationally adopted standards. The description of these standards are not part of the scope of this document.

- UN/EDIFACT EDIFACT D99B : Electronic Data Interchange for administration, commerce and transport (<http://www.unece.org/trade/untdid/directory.htm>)
- "INVOIC" Message implementation guidelines Version 3.0 Rel B00 as published by ETIS (<http://www.etis.org>)

1.3 Definitions

EDI: Electronic Data Exchange defines the electronic data transmission between Information Systems, structured according to agreed implementation guidelines.

UN/EDIFACT: United Nations EDI for Administration, Commerce and Trade.

ETIS: the global IT association for telecommunications (<http://www.etis.org>)

EBG: Electronic Billing Group: a workgroup within ETIS with the mission to identify standards for electronic invoicing.

INVOIC: Message part of the UN/EDIFACT libraries that is used for the exchange of invoices, credit and debit notes and datasheets.

FTP: File Transfer Protocol (FTP), a standard Internet protocol is the standard way to exchange files between computers on the Internet.

HTTP: HTTP (Hypertext Transfer Protocol) is the set of rules for transferring files (text, graphic images, sound, video, and other multimedia files) on the World Wide Web. As soon as a Web user opens their Web Browser the user is indirectly making use of HTTP. HTTP is an application protocol that runs on top of the TCP/IP suite of protocols (the foundation protocols for the Internet).



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HTTPS: HTTP over SSL (Secure Socket Layer). This is a secured version of HTTP that uses the data encryption mechanisms of SSL.

SMTP: SMTP (Simple Mail Transfer Protocol) is a TCP/IP protocol used in sending and receiving e-mail.

S/MIME: S/MIME (Secure Multi-Purpose Internet Mail Extensions) is a secure method of sending e-mail that uses the Rivest-Shamir-Adleman encryption system.

2 Belgacom Mobile Electronic Billing Implementation

2.1 General Procedure

All data exchange between the Bill Sender and the Bill Receiver will be based on one of the following standards implementation:

- UN/EDIFACT INVOIC Message (ETIS subset)
- SAP XML INVOIC02 Message

The following types of Bills can be transmitted by the Bill Sender:

- Usage Invoices
- Usage Credit Notes
- Usage Debit Notes
- Hardware Invoices
- Hardware Credit Notes
- Hardware Debit Notes

Each interchange will consist of maximum 1 Bill. Following the conversion to the EDIFACT or XML format, this message will be digitally signed, and optionally encrypted and compressed for transmission to the Bill Receiver.

The Bill Receiver has the option between the following delivery channels for the transport of the electronic bills:

- HTTPS Pull Delivery
- SMTP Push Delivery

The Bills will be sent to the Bill Receiver using character encoding iso8859-15.

Further in this document, there are references to the BMB code list. The BMB code list corresponding with this document is v1.23.

3 UN/EDIFACT INVOICE Message Implementation Guidelines

3.1 General

The INVOIC Message will be implemented according the ETIS/EBG subset of the UN/EDIFACT INVOIC message.

The sections below describe how the ETIS/EBG subset will be applied for Proximus eBills.

The following Message Implementation Guidelines are hereafter defined:

- Hardware Bills (Invoice, Credit and Debit Notes)
 - Message Subset Identification (UNH): ETEB01.3.C (Simple Invoice)
 - Message Guideline Identification (UNH): BMBHW.1.0
- Usage Bills (invoice, Credit Notes, Debit Notes and Datasheet)
 - Message Subset Identification (UNH): ETEB01.3.C (Simple Invoice)
 - Message Subset Identification (UNH): ETEB03.3.C (Datasheet, containing detailed usage information)
 - Message Guideline Identification (UNH) : BMBUSAGE.2.0

The Implementation Guidelines for Hardware (Simple Invoice) and Usage (Simple Invoice) are very similar, and therefore it should require little effort to process both types of Bills.

3.2 EDIFACT Interchange Service Segments Description

Edifact Segment	Edifact Data Element	Description	Values	Remarks
UNB	S001.0001	Syntax Identifier	UNOC	
UNB	S001.0002	Syntax version number	4	
UNB	S002.0004	Sender Identification	BELGACOMMOBILE	
UNB	S003.0010	Recipient Identification		Mutually agreed code to identify the message receiver
UNB	S004.0017	Date of preparation of the message		CCYYMMDD
UNB	S004.0019	Time of preparation of the message		HHMM
UNB	0020	Interchange Control Reference		Unique identifier
UNB	0026	Application reference	BHW / unique identifier BUS / unique identifier	Hardware bills Usage bills
UNB	0029	Processing Priority		



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UNB	0031	Code Acknowledgement Request	1 or empty	Currently not Used
UNB	0035	Test Indicator	1 or empty	1 indicates test message

Edifact Segment	Edifact Data Element	Description	Values	Remarks
UNZ	0036	Interchange control count		Indicates the number of messages within the interchange – will always be 1
UNZ	0020	Interchange Control Reference		Same as in UNB.0020

3.3 Hardware Bills Message Implementation Guidelines

3.3.1 Header Information

Edifact Segment	Edifact Data Element	Description	Values	Remarks
UNH	0062	Message Reference Number	BHW / unique message number / incremental number	Unique Identifier
UNH	S009.0065	Message type identifier	INVOIC	
UNH	S009.0052	Message version number	D	
UNH	S009.0054	Message release number	99B	
UNH	S009.0051	Controlling Agency, coded	UN	
UNH	S016.0115	Message Subset Identification	ETEB01	ETIS Simple Invoice
UNH	S016.0116	Message Subset version number	3	
UNH	S016.0118	Message subseq release number	B00	
UNH	S017.0121	Message implementation guideline identification	BMBHW	Hardware Bill
UNH	S017.0122	Message implementation guideline version number	1	
UNH	S017.0124	Message implementation guideline release number	0	
BGM	C002.1001	Document/Message name	380 381 380	Invoice Credit Note Debit Note
BGM	C106.1004	Document/Message number		Invoice/Credit Note/Debit Note Number
BGM	1225	Message Function Code	9 7	Original Duplicate
DTM	C507.2005	Date/time/period function code qualifier	3	
DTM	C507.2380	Date/time/period value		Invoice date/time (CCYYMMDDHHMMSS)
DTM	C507.2379	Date/time/period format code	204	CCYYMMDDHHMMSS
PAI	C534.4461	Payment means,coded	3	Automatic clearing house debit



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			77 31	Credit Card payment Debit Transfer (in case of non-automatic payment)
FTX	4451	Text Subject Code Qualifier	INV	Invoice Instruction
FTX	C108.4440	Free Text value		
FTX	C108.4440	Free Text value		
FTX	C108.4440	Free Text value		
FTX	C108.4440	Free Text value		
FTX	3453	Language name code	FRA NLD ENG DEU	
RFF	C506.1153	Reference function code qualifier	IV	Reference to the invoice number in case of a credit or debit note
RFF	C506.1154	Reference identifier		Reference to the invoice number in case of a credit or debit note
SG2 – NAD	3035	Party Qualifier	SE	Seller = Basic Service Provider
SG2 – NAD	C082.3039	Party Identifier	BELGACOMMOBILE	Identifier for the Basic Service Provider
SG2 – NAD	C082.1131	Code list identification code		
SG2 – NAD	C082.3055	Code list responsible agency code		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	3164	City Name		
SG2 – NAD	3251	Postal Code		
SG2 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG2 – FII	3035	Party Qualifier	SE	
SG2 – FII	C078.3194	Account holder number		Bank Account Number Basic Service Provider
SG3 – RFF	C506.1153	Reference function code qualifier	AHO	Chamber Of Commerce registration number of Basic Service Provider
SG3 – RFF	C506.1154	Reference identifier		Chamber Of Commerce registration number of Basic Service Provider
SG3 – RFF	C506.1153	Reference function code qualifier	VA	VAT number of Basic Service Provider
SG3 – RFF	C506.1154	Reference identifier		VAT number of Basic Service Provider
SG2 – NAD	3035	Party Qualifier	PK	Contact Party
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	3164	City Name		
SG2 – NAD	3251	Postal Code		



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SG2 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG5 – CTA	3139	Contact function code	SR	Sales Representative
SG5 – COM	C076.3148	Communication number		
SG5 – COM	C076.3155	Communication number code qualifier	TE FX	Telephone Fax
SG2 – NAD	3035	Party Qualifier	BY	Buyer
SG2 – NAD	C082.3039	Party Identifier		Identifier for the Buyer, provided by the Basic Service Provider
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	3164	City Name		
SG2 – NAD	3251	Postal Code		
SG2 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG3 – RFF	C506.1153	Reference function code qualifier	VA	VAT number of Buyer
SG3 – RFF	C506.1154	Reference identifier		VAT number of Buyer
SG2 – NAD	3035	Party Qualifier	IV	Invoicee
SG2 – NAD	C082.3039	Party Identifier		Identifier for the Invoicee, provided by the Basic Service Provider
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	3164	City Name		
SG2 – NAD	3251	Postal Code		
SG2 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG3 – RFF	C506.1153	Reference function code qualifier	VA	VAT number of Invoicee
SG3 – RFF	C506.1154	Reference identifier		VAT number of Invoicee
SG6 – TAX	5283	Duty/Tax/Fee function qualifier	9	Tax Related information
SG6 – TAX	C241.5153	Duty/Tax/Fee type name code	VAT	
SG6 – TAX	C243.5278	Duty/Tax/Fee rate		Default vat rate value
SG7 – CUX	C504.6347	Currency Details qualifier	1	Charge payment currency
SG7 – CUX	C504.6345	Currency identification code		ISO 4217 currency code (e.g. EUR, USD)
SG8 – PAT	4279	Payment terms type code qualifier	1	Basic
SG8 – PAT	C112.2475	Time reference code	72	Payment Date
SG8 – PAT	C112.2009	Terms time relation code	1	Reference Date
SG8 – DTM	C507.2005	Date/time/period	13	



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		function code qualifier		
SG8 – DTM	C507.2380	Date/time/period value		Net due date/time (CCYYMMDDHHMMSS)
SG8 – DTM	C507.2379	Date/time/period format code	204	CCYYMMDDHHMMSS
SG16 – ALC	5463	Allowance or charge qualifier	C	Charge, logistic costs
SG16 – ALC	C214.7161	Special service description code	SSA	Special Assembly Charge
SG16 – ALC	C214.1131	Codelist identification code	001	
SG16 – ALC	C214.3055	Codelist responsible agency	193	ETIS
SG20 - MOA	C516.5025	Monetary amount type code qualifier	23	Charge Amount Qualifier
SG20 – MOA	C516.5004	Monetary amount value		Charge Amount
SG20 – MOA	C516.4405	Status Description code	7	Fixed Tariff



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3.3.2 Detail Information

Edifact Segment	Edifact Data Element	Description	Values	Remarks
SG26 – LIN	1082	Line Item number		
SG26 – LIN	1222	Configuration Level	0	No hierarchy for this Bill type
SG26 – IMD	7077	Item description type,coded	C	
SG26 – IMD	C273.7009	Item description identification	06	Sales
SG26 – IMD	C273.1131	Code list identification code	004	ETIS
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	C273.7008	Item Description		Supplier Product Code
SG26 – IMD	7077	Item description type,coded	F	
SG26 – IMD	C273.7009	Item description identification	06	Sales
SG26 – IMD	C273.1131	Code list identification code	004	ETIS
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	C273.7008	Item Description		Supplier Product Description
SG26 – IMD	C273.7008	Item Description		Supplier Product Description
SG26 – IMD	7077	Item description type,coded	C	
SG26 – IMD	C273.7009	Item description identification	INC	Billed Charge without existing code
SG26 – IMD	C273.1131	Code list identification code	001	ETIS
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	C273.7008	Item Description		Material Group Code
SG26 – IMD	7077	Item description type,coded	F	
SG26 – IMD	C273.7009	Item description identification	INC	Billed Charge without existing code
SG26 – IMD	C273.1131	Code list identification code	001	ETIS
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	C273.7008	Item Description		Material Group Description
SG26 – IMD	C273.3453	Language code	FRA NLD ENG DEU	Language



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SG26 – QTY	C186.6063	Quantity Type code qualifier	107	Chargeable number of units
SG26 – QTY	C186.6060	Quantity		
SG26 – QTY	C186.6411	Measure unit qualifier	PCE	
SG26 – FTX	4451	Text Subject Code Qualifier	LIN	Line Item Information (including Serial Numbers)
SG26 – FTX	4453	Text for subsequent use	1	
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	3453	Language name code	FRA NLD ENG DEU	
SG27 - MOA	C516.5025	Monetary amount type code qualifier	38 128	Invoice item amount Total amount
SG27 - MOA	C516.5004	Monetary amount value		Charge Amount
SG29 – PRI	C509.5125	Price qualifier	CAL	Calculation price
SG29 – PRI	C509.5118	Price		Net Unit Price Value
SG30 – RFF	C506.1153	Reference function code qualifier	CO	Buyers Order Number qualifier
SG30 – RFF	C506.1154	Reference identifier		Buyers Order Number
SG30 – DTM	C507.2005	Date/time/period function code qualifier	4	
SG30 – DTM	C507.2380	Date/time/period value		Order date/time date/time (CCYYMMDDHHMMSS)
SG30 – DTM	C507.2379	Date/time/period format code	204	CCYYMMDDHHMMSS
SG30 – RFF	C506.1153	Reference function code qualifier	DQ	Delivery Note Number qualifier
SG30 – RFF	C506.1154	Reference identifier		Delivery Note Number
SG30 – DTM	C507.2005	Date/time/period function code qualifier	35	
SG30 – DTM	C507.2380	Date/time/period value		Delivery date/time date/time (CCYYMMDDHHMMSS)
SG30 – DTM	C507.2379	Date/time/period format code	204	CCYYMMDDHHMMSS
SG34 – TAX	5283	Duty/Tax/Fee function qualifier	1	Tax Related information
SG34 – TAX	C241.5153	Duty/Tax/Fee type name code	VAT FRA	
SG34 – TAX	C243.5278	Duty/Tax/Fee rate		VAT rate
SG34 - MOA	C516.5025	Monetary amount type code qualifier	124	Tax amount
SG34 - MOA	C516.5004	Monetary amount value		VAT amount
SG35 – NAD	3035	Party Qualifier	SK	Installation Address/Delivery Address



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SG35 – NAD	C080.3036	Party Name		
SG35 – NAD	C080.3036	Party Name		
SG35 – NAD	C080.3036	Party Name		
SG35 – NAD	C059.3042	Street and number		
SG35 – NAD	C059.3042	Street and number		
SG35 – NAD	3164	City Name		
SG35 – NAD	3251	Postal Code		
SG35 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG38 – CTA	3139	Contact function code	SR	Sales Representative
SG38 – COM	C076.3148	Communication number		
SG38 – COM	C076.3155	Communication number code qualifier	TE FX	Telephone Fax
SG39 – ALC	5463	Allowance or charge qualifier	H	Allowance
SG39 – ALC	1127	Calculation sequence indicator, coded		Calculation sequence indicator
SG39 – ALC	C214.7161	Special service description code	PAI	Promotional Credits
SG39 – ALC	C214.1131	Codelist identification code	001	
SG39 – ALC	C214.3055	Codelist responsible agency	193	ETIS
SG41 – PCD	C501.5245	Percentage type code qualifier	1	Allowance (Either SG41 – PCD or SG42 – MOA)
SG41 – PCD	C501.5482	Percentage		Discount Rate
SG42 - MOA	C516.5025	Monetary amount type code qualifier	52	Discount Amount (Either SG41 – PCD or SG42 – MOA)
SG42 - MOA	C516.5004	Monetary amount value		Discount Amount
SG39 – ALC	5463	Allowance or charge qualifier	M	Charge
SG39 – ALC	1127	Calculation sequence indicator, coded		Calculation sequence indicator
SG39 – ALC	C214.7161	Special service description code	014	RECUPEL
SG39 – ALC	C214.1131	Codelist identification code		
SG39 – ALC	C214.3055	Codelist responsible agency	129	Belgian Ministry of Finance (BMF100)
SG42 - MOA	C516.5025	Monetary amount type code qualifier	23	Charge
SG42 - MOA	C516.5004	Monetary amount value		Charge Amount
SG39 – ALC	5463	Allowance or charge qualifier	M	Charge
SG39 – ALC	1127	Calculation sequence indicator, coded		Calculation sequence indicator
SG39 – ALC	C214.7161	Special service	013	BEBAT



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SG39 – ALC	C214.1131	description code Codelist identification code		
SG39 – ALC	C214.3055	Codelist responsible agency	129	Belgian Ministry of Finance (BMF100)
SG42 - MOA	C516.5025	Monetary amount type code qualifier	23	Charge
SG42 - MOA	C516.5004	Monetary amount value		Charge Amount



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3.3.3 Summary Information

Edifact Segment	Edifact Data Element	Description	Values	Remarks
UNS	0081	Section Identification	S	
CNT	C270.6069	Control total type code qualifier	2	Number of line items in message
CNT	C270.6066	Control value		
SG50 - MOA	C516.5025	Monetary amount type code qualifier	9	Amount Due/Payable Amount
SG50 - MOA	C516.5004	Monetary amount value		
SG50 - MOA	C516.5025	Monetary amount type code qualifier	77	Invoice amount
SG50 - MOA	C516.5004	Monetary amount value		
SG50 - MOA	C516.5025	Monetary amount type code qualifier	136	Total invoice additional amount
SG50 - MOA	C516.5004	Monetary amount value		
SG50 - MOA	C516.5025	Monetary amount type code qualifier	124, 150	Tax amount
SG50 - MOA	C516.5004	Monetary amount value		
SG50 - MOA	C516.5025	Monetary amount type code qualifier	125, B03	Taxable amount (B03 = BMF100 code)
SG50 - MOA	C516.5004	Monetary amount value		
SG50 - MOA	C516.5025	Monetary amount type code qualifier	B04	Taxable amount (B04 = BMF100 code)
SG50 - MOA	C516.5004	Monetary amount value		
SG50 - MOA	C516.5025	Monetary amount type code qualifier	79	Total Line items amount
SG50 - MOA	C516.5004	Monetary amount value		
SG52 - TAX	5283	Duty/Tax/Fee function qualifier	3	Total of each duty
SG52 - TAX	C241.5153	Duty/Tax/Fee type name code	VAT	
SG52 - TAX	C243.3055	Code list responsible agency	129 193	BMF100 ETIS
SG52 - TAX	C243.5278	Duty/Tax/Fee rate		vat rate value
SG52 - MOA	C516.5025	Monetary amount type code qualifier	125, B09	Taxable amount (B09 = BMF100-code)
SG52 - MOA	C516.5004	Monetary amount value		
SG52 - MOA	C516.5025	Monetary amount type code qualifier	124, 150	Tax amount (150 = UN/ECE code)
SG52 - MOA	C516.5004	Monetary amount value		
UNT	0074	Number of segments in a message		
UNT	0062	Message reference number		Same as UNH.0062



Electronic Billing Implementation Guidelines



3.3.4 Legally required fields on an electronic bill (Hardware)

The Table below describes the fields that are legally required to appear on a electronic Bill.

Description of Field	EDI ETIS
Issue date of the invoice	DTM.C507.2380 (2005 = 3)
Identifying/sequential number	BGM.C106.1004
VAT id for supplier	SG2.NAD.RFF.C506.1154 (1153 = VA and NAD.3035 = SE)
VAT id for customer	SG2.NAD.RFF.C506.1154 (1153 = VA and NAD.3035 = IV)
Full name/address for supplier	SG2.NAD (3035 = SE) (elements C080.3036, C059.3042, 3164, 3251)
Full name/address for buyer	SG2.NAD (3035 = IV) (elements C080.3036, C059.3042, 3164, 3251)
Quantity of the goods supplied	SG26.QTY.C186.6060 (6063 = 107)
Nature of the goods supplied	SG26.IMD.C273.7008 (C273.7009 = 06 and 7077 = F)
Date on which supply of goods were made	SG30.RFF.DTM.C507.2380 (2005 = 34)
Date of account payment	SG8.PAT.DTM.C507.2380 (2005 = 13)
Taxable amount per rate or exemption	SG52.TAX.MOA.C516.5004 (5025 = 125) SG52.TAX.C243.5278
Vat rate	SG6.TAX.C241.5153
Vat amount payable	SG50.MOA.C516.5004 (5025 = 124)



Electronic Billing Implementation Guidelines



3.4 Usage Bills Message Implementation: Invoice vs Datasheet

3.4.1 General Information

The datasheet contains the call details about a phone number, e.g. on 22/9/2007 at 11:09 a national call was made with destination 4752490XX . This kind of information will only be stored online for 1.5 year.

The Invoice contains summaries about the phone number, e.g. for for national calls the total used minutes was 31:09 and the total amount was 0,5129.

About the product codes:

The complete list of detailed records can be found in Product Code List.

- 1/ The ETIS EDI Invoice can contain items that are at account level (240, 250, 251, 252), these have no prefix.
- 2/ The ETIS EDI Invoice can also contain items that are at service level (007291, ...), these have a prefix 007 because they are summary items.
- 3/ The ETIS EDI Datasheet contains items that are at service level (291, ...), these have no prefix 007 because they are detailed items.

3.4.2 Linking items from the Datasheet to items from the Invoice

You can link the LIN segments of the datasheet to the summary LIN segments by using the RFF segments in the datasheet. The RFF segment contain the line item number of the corresponding LIN in the Invoice.

Sample of the RFF used for linking to a line item in the invoice:

Suppose we have an invoice containing a line item with line item number **121**.

This is a 'summary item' with productcode 007301.

In the datasheet we have 3 line items with line numbers 3101, 3102 and 3103 that are linked with line item **121** from the invoice.

This is expressed by an RFF segment RFF+IV:081201234832:121'.

This segment contains the invoice number '081201234832' and the line item number within that invoice.

Invoice:

BGM+380+081201234832+7'

...

LIN+121+++98+1'



Electronic Billing Implementation Guidelines



IMD+C++JB:001:193'
IMD+C++02:004:193:007301'
MOA+38:666.66.'

....

Datasheet:

LIN+**3101**+++ :3097+1'
IMD+C++JL:001:193'
IMD+C++02:004:193:301'
IMD+F++A02:005:193:32476895156:TEL'

...

MOA+38:111.11'
RFF+IV:081201234832:**121**'

...

LIN+**3102**+++ :3097+1'
IMD+C++JL:001:193'
IMD+C++02:004:193:301'
IMD+F++A02:005:193:32476895156:TEL'

...

MOA+38:222.22'
RFF+IV:081201234832:**121**'

...

LIN+**3103**+++ :3097+1'
IMD+C++JL:001:193'
IMD+C++02:004:193:301'
IMD+F++A02:005:193:32476895156:TEL'

...

MOA+38:333.33'
RFF+IV:081201234832:**121**'

...

3.5 Usage Bills Message Implementation Guidelines for Invoice

3.5.1 General Information

LIN Segment Groups for Account Level

These segments contain charges, reductions etc. that are on account level.
These LIN segments have always level 0.

LIN Segment Groups for Service Level

These LIN segments have a hierarchy.

- Level 0: identifies the MSISDN number
- Level 1: contains the communication summaries for the referenced telephone nr.

How are these various levels implemented in EDI ETIS – ETEB02:

Each LIN Segment (SG26 – LIN) has 2 data elements that provide the necessary linking to the higher level:

- DE C829.1082 (Sub-line information – Line item number): refers to the line item number of the higher-level SG26 – LIN segment if the Level is different than Level 0
- DE 1222 (Configuration level): defines the level of the SG26 – LIN segment within the hierarchy (0 for Level 0, a.s.o.)

Carry-over:

The Carry over amount can only be used to specify the amount carried over from another document, and not to another document. We are not able to specify the amount that will be carried over to the next invoice. As BMB doesn't pay the amount back specified in the credit note, the amount that will be paid back to the customer will always be 0.

Balance information:

The ETIS standard allows only one Carry-over amount to be specified. The carry-over amount is specified in the EDI document in the MOA segment with qualifier 136. The amount in this MOA segment is a sum of all carry-over amounts specified in the input document.



Electronic Billing Implementation Guidelines



3.5.2 Header Information

Edifact Segment	Edifact Data Element	Description	Values	Remarks
UNH	0062	Message Reference Number	BUS / unique message number / incremental number	Unique Identifier
UNH	S009.0065	Message type identifier	INVOIC	
UNH	S009.0052	Message version number	D	
UNH	S009.0054	Message release number	99B	
UNH	S009.0051	Controlling Agency, coded	UN	
UNH	S016.0115	Message Subset Identification	ETEB01 ETEB02	ETIS Simple Invoice ETIS Invoice with Details
UNH	S016.0116	Message Subset version number	3	
UNH	S016.0118	Message subseq release number	C	
UNH	S017.0121	Message implementation guideline identification	BMBUSAGE BMBCOMM	Usage Bill M-Commerce statement
UNH	S017.0122	Message implementation guideline version number	2	
UNH	S017.0124	Message implementation guideline release number	0	
BGM	1001	Document/Message name	380 381 383 380	Invoice Credit Note Debit Note M-Commerce statement
BGM	C106.1004	Document/Message number		Invoice/Credit Note/Debit Note/M-Commerce Number
BGM	1225	Message Function Code	9 7	Original Duplicate
DTM	C507.2005	Date/time/period function code qualifier	137 454 95E	Invoice date Accounting value date (=~ bill invoice date) Service completed date (=~ bill end date)
DTM	C507.2380	Date/time/period value		date (CCYYMMDDHHMMSS)
DTM	C507.2379	Date/time/period format code	203 102	CCYYMMDDHHMM CCYYMMDD
PAI	C534.4461	Payment means, coded	3	Automatic clearing house debit



Electronic Billing Implementation Guidelines



			77 31	Credit Card payment Debit Transfer (in case of non-automatic payment)
FTX	4451	Text Subject Code Qualifier	INV	Invoice Instruction
FTX	C108.4440	Free Text value		
FTX	C108.4440	Free Text value		
FTX	C108.4440	Free Text value		
FTX	C108.4440	Free Text value		
FTX	C108.4440	Free Text value		
FTX	3453	Language name code	FR NL DE	
RFF	C506.1153	Reference function code qualifier	PQ	Structured Payment Reference Number
RFF	C506.1154	Reference identifier		
SG2 – NAD	3035	Party Qualifier	SE	Seller = Basic Service Provider
SG2 – NAD	C082.3039	Party Identifier	BELGACOMMOBILE	Identifier for the Basic Service Provider
SG2 – NAD	C082.1131	Code list identification code		
SG2 – NAD	C082.3055	Code list responsible agency code		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	3164	City Name		
SG2 – NAD	3251	Postal Code		
SG2 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG2 – FII	3035	Party Qualifier	SE	
SG2 – FII	C078.3194	Account holder number		Bank Account Number Basic Service Provider
SG2 – FII	C088.3433	Institution name identification		
SG3 – RFF	C506.1153	Reference function code qualifier	VA	VAT number of Basic Service Provider
SG3 – RFF	C506.1154	Reference identifier		VAT number of Basic Service Provider
SG2 – NAD	3035	Party Qualifier	BY	Buyer
SG2 – NAD	C082.3039	Party Identifier		Identifier for the Buyer, provided by the Basic Service Provider
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	3164	City Name		
SG2 – NAD	3251	Postal Code		



Electronic Billing Implementation Guidelines



SG2 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG2 – NAD	3035	Party Qualifier	IV	Invoicee
SG2 – NAD	C082.3039	Party Identifier		Identifier for the Invoicee, provided by the Basic Service Provider
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	3164	City Name		
SG2 – NAD	3251	Postal Code		
SG2 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG3 – RFF	C506.1153	Reference function code qualifier	VA	VAT number of Invoicee
SG3 – RFF	C506.1154	Reference identifier		VAT number of Invoicee
SG6 – TAX	5283	Duty/Tax/Fee function qualifier	9	Tax Related information
SG6 – TAX	C241.5153	Duty/Tax/Fee type name code	VAT FRE	VAT is used VAT exemption
SG6 – TAX	C241.5152	Duty/Tax/Fee		VAT Exempt reason code (only when Duty/Tax/Fee type name code == 'FRE')
SG6 – TAX	C243.5278	Duty/Tax/Fee rate		Default vat rate value
SG7 – CUX	C504.6347	Currency Details qualifier	1	Charge payment currency
SG7 – CUX	C504.6345	Currency identification code		ISO 4217 currency code (e.g. EUR, USD)
SG8 – PAT	4279	Payment terms type code qualifier	1	Basic
SG8 – PAT	C112.2475	Time reference code	72	Payment Date
SG8 – PAT	C112.2009	Terms time relation code	1	Reference Date
SG8 – DTM	C507.2005	Date/time/period function code qualifier	13	
SG8 – DTM	C507.2380	Date/time/period value		Net due date/time (CCYYMMDDHHMMSS)
SG8 – DTM	C507.2379	Date/time/period format code	204	CCYYMMDDHHMMSS



Electronic Billing Implementation Guidelines



3.5.3 Detail Information

Note: Each new service [MSISDN] within the EDI E-Bill will have its own LIN segment group at configuration level 0 (LIN.1222). All individual charges related to this MSISDN will appear in individual LIN segment groups at configuration level 1, referring to corresponding level 0 LIN segment group (MSISDN).

The following product/service identifier will identify each MSISDN LIN segment group: 006. Example: IMD+C++02:004:193:**006**

Edifact Segment	Edifact Data Element	Description	Values	Remarks
SG26 – LIN	1082	Line Item number		Incremental number
SG26 – LIN	C829.1082	Sub-line Line item number		Line number of the immediate higher level to which the sub-line relates. Not used for Level 0
SG26 – LIN	1222	Configuration Level		Number indicating the level of a line item within a hierarchy. The value “0” is the highest level
SG26 – IMD	7077	Item description type,coded	C	Coded value
SG26 – IMD	C273.7009	Item description identification	140 159 160 60 80 JB JL MGA 295	Other voice services Non-voice services Packet switching Other supplies and services Refunding/credit entry Off-peak Regular Message rate adjustment Discount-special
SG26 – IMD	C273.1131	Code list identification code	001	ETIS codelist 001
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	7077	Item description type,coded	C	Coded value
SG26 – IMD	C273.7009	Item description identification	01 02 04 06 07 09 99	Rental Usage Discount Sales Installation/Activation Regularisation (Carry over, refund etc.) Other
SG26 – IMD	C273.1131	Code list identification code	004	ETIS codelist 004
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	C273.7008	Item Description		Supplier Product Code Please refer to the Proximus product catalog, or the BMB code list:



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				Account Level: 201, 202, 205, 240, 250, 251, 252 Service Level: 006 (to identify an MSISDN number) 007291, 007292, 007293, 007294, 007295, 007340, 007341, 007342, 007301, 007302, 007303, 007310, 007320, 007330, 007331, 007332, 007333, 007336, 007351, 007352, 007361, 007365, 007371, 007372, 007373
SG26 – IMD	7077	Item description type,coded	F	Free text
SG26 – IMD	C273.7009	Item description identification	A02 F01 Z01 Z02 F02	Connected PSTN Service Access Point Originating Mobile Service Access Point Other originating Other connected Mobile telephony
SG26 – IMD	C273.1131	Code list identification code	005	Service access point types, ETIS codelist 005
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	C273.7008	Item Description		Service Access Point
SG26 – IMD	C273.7008	Item Description	TEL	
SG26 – IMD	7077	Item description type,coded	F	Free text
SG26 – IMD	C273.7009	Item description identification	02 04 06 08 99	Usage Discount Sales Non recurring charge Other
SG26 – IMD	C273.1131	Code list identification code	004	ETIS
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	C273.7008	Item Description		Service or Service Access Point description
SG26 – IMD	C273.3453	Language code		
SG26 – QTY	C186.6063	Quantity Type code qualifier	107 88	Chargeable number of units Informational quantity
SG26 – QTY	C186.6060	Quantity		
SG26 – QTY	C186.6411	Measure unit qualifier	SEC MIN 2P NF NAR	Seconds Minutes Kilobytes Messages Number of articles
SG26 – DTM	C507.2005	Date/time/period function code qualifier	206 194 183 163 164 48	End date Start date Date, as at Processing (call) start date Processing (call) end date (for future use → currently not used) Processing duration



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SG26 – DTM	C507.2380	Date/time/period value		Date/time (CCYYMMDDHHMMSS or Number of Seconds)
SG26 – DTM	C507.2379	Date/time/period format code	204 SEC	For C507.2005 == 206, 194, 183, 163 or 164 For C507.2005 == 48
SG26 – FTX	4451	Text Subject Code Qualifier	LIN	Line Item Information (including Serial Numbers)
SG26 – FTX	4453	Text function, coded	1	
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	3453	Language name code	FRA NLD ENG DEU	
SG27 - MOA	C516.5025	Monetary amount type code qualifier	38 128	Invoice item amount Total Amount
SG27 - MOA	C516.5004	Monetary amount value		Charge Amount
SG29 – PRI	C509.5125	Price qualifier	CAL	Calculation price
SG29 – PRI	C509.5118	Price		Net Unit Price Value
SG30 – RFF	C506.1153	Reference qualifier	IV CT	Invoice reference Contract number
SG30 – RFF	C506.1154	Invoice number		
SG33 – LOC	3227	Location function code qualifier	8	Place of destination
SG33 – LOC	C517.3224	Location name		Location description
TAX	5283	Duty/Tax/Fee function qualifier	1	Tax Related information
TAX	C241.5153	Duty/Tax/Fee type name code	VAT FRE	VAT applicable VAT exemption
TAX	C242.5152	Duty/Tax/Fee type name		VAT Exempt reason code (only when Duty/Tax/Fee type name code == 'FRE')
TAX	C243.5278	Duty/Tax/Fee rate		VAT rate (only when Duty/Tax/Fee type name code == 'VAT')
CUX	C504.6347	Currency details qualifier	1	Payment currency
CUX	C504.6345	Currency identification		ISO 4217 currency code (e.g. EUR, USD)

3.5.4 Summary Information

Edifact Segment	Edifact Data Element	Description	Values	Remarks
UNS	0081	Section Identification	S	
CNT	C270.6069	Control total type code qualifier	2	Number of line items in message
CNT	C270.6066	Control value		
MOA	C516.5025	Monetary amount type code qualifier	9 77	Amount Due/Payable Amount Invoice amount



Electronic Billing Implementation Guidelines



			124, 150 125, B03 136 174 300 B04 113	Tax amount Taxable amount (B03 = BMF100-code) Carry-over amount (used in invoices only – amnt carried over from a cre-note) Balance amount (in invoices only - where the balance amount is negative) Amount carried over to invoice (used in cre-note only – always positive) Taxable amount (B04 = BMF100-code) Prepaid amount
MOA	C516.5004	Monetary amount value		
TAX	5283	Duty/Tax/Fee function qualifier	3	Total of each duty, tax or fee type
TAX	C241.5153	Duty/Tax/Fee type name code	VAT FRE	VAT applicable VAT exemption
TAX	C243.3055	Code list responsible agency	129 193	BMF100 ETIS
TAX	C243.5278	Duty/Tax/Fee rate		vat rate value
MOA	C516.5025	Monetary amount type code qualifier	125, B09	Taxable amount (B09 = BMF100-code)
MOA	C516.5004	Monetary amount value		
MOA	C516.5025	Monetary amount type code qualifier	124, 150	Tax amount (150 = UN/ECE code)
MOA	C516.5004	Monetary amount value		
UNT	0074	Number of segments in a message		
UNT	0062	Message reference number		Same as UNH.0062



Electronic Billing Implementation Guidelines



3.5.5 Legally required fields on an electronic bill (Usage)

The Table below describes the fields that are legally required to appear on a electronic Bill.

Description of Field	EDI ETIS
Issue date of the invoice	DTM.C507.2380 (2005 = 3)
Identifying/sequential number	BGM.C106.1004
VAT id for supplier	SG2.NAD.RFF.C506.1154 (1153 = VA and NAD.3035 = SE)
VAT id for customer	SG2.NAD.RFF.C506.1154 (1153 = VA and NAD.3035 = IV)
Full name/address for supplier	SG2.NAD (3035 = SE) (fields C080.3036, C059.3042, 3164, 3251)
Full name/address for buyer	SG2.NAD (3035 = IV) (fields C080.3036, C059.3042, 3164, 3251)
Extent of the services rendered	SG26.QTY.C186.6060 (6063 = 107)
Nature of the services rendered	SG26.IMD.C273.7008 (C273.1131 = 004)
Date on which services where made	SG 26.DTM.C507.2380 (2005 = 183 or 194 or 206 or 163 or 164)
Date of account payment	SG8.PAT.DTM.C507.2380 (2005 = 13)
Taxable amount per rate or exemption	SG52.TAX.MOA.C516.5004 (5025 = 125) SG52.TAX.C243.5278
Vat rate	SG6.TAX.C241.5153
Vat amount payable	SG50.MOA.C516.5004 (5025 = 124)

3.6 Usage Bills Message Implementation Guidelines for Datasheet

3.6.1 General Information

The Usage Bill uses 2 levels of LIN Segment Groups:

The datasheet contains only LIN Segments for Service Detail information.

The LIN segments have a hierarchy.

- Level 0: identifies the MSISDN number
- Level 1: contains the communication details for the referenced telephone nr.

How are these various levels implemented in EDI ETIS – ETEB02:

Each LIN Segment (SG26 – LIN) has 2 data elements that provide the necessary linking to the higher level:

- DE C829.1082 (Sub-line information – Line item number): refers to the line item number of the higher-level SG26 – LIN segment if the Level is different than Level 0
- DE 1222 (Configuration level): defines the level of the SG26 – LIN segment within the hierarchy (0 for Level 0, a.s.o.)



Electronic Billing Implementation Guidelines



3.6.2 Header Information

Edifact Segment	Edifact Data Element	Description	Values	Remarks
UNH	0062	Message Reference Number	BUS / unique message number / incremental number	Unique Identifier
UNH	S009.0065	Message type identifier	INVOIC	
UNH	S009.0052	Message version number	D	
UNH	S009.0054	Message release number	99B	
UNH	S009.0051	Controlling Agency, coded	UN	
UNH	S016.0115	Message Subset Identification	ETEB03	ETIS Datasheet
UNH	S016.0116	Message Subset version number	3	
UNH	S016.0118	Message subseq release number	C	
UNH	S017.0121	Message implementation guideline identification	BMBUSAGE	Usage Bill
UNH	S017.0122	Message implementation guideline version number	2	
UNH	S017.0124	Message implementation guideline release number	0	
BGM	1001	Document/Message name	130	Datasheet
BGM	C106.1004	Document/Message number		Invoice/Credit Note/Debit Note/M-Commerce Number
BGM	1225	Message Function Code	9 7	Original Duplicate
DTM	C507.2005	Date/time/period function code qualifier	3	Invoice date
DTM	C507.2380	Date/time/period value		date (CCYYMMDDHHMMSS)
DTM	C507.2379	Date/time/period format code	203 102	CCYYMMDDHHMM CCYYMMDD
SG2 – NAD	3035	Party Qualifier	SE	Seller = Basic Service Provider
SG2 – NAD	C082.3039	Party Identifier	BELGACOMMOBILE	Identifier for the Basic Service Provider
SG2 – NAD	C082.1131	Code list identification code		
SG2 – NAD	C082.3055	Code list responsible		



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		agency code		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	3164	City Name		
SG2 – NAD	3251	Postal Code		
SG2 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG2 – NAD	3035	Party Qualifier	BY	Buyer
SG2 – NAD	C082.3039	Party Identifier		Identifier for the Buyer, provided by the Basic Service Provider
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	3164	City Name		
SG2 – NAD	3251	Postal Code		
SG2 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG2 – NAD	3035	Party Qualifier	IV	Invoicee
SG2 – NAD	C082.3039	Party Identifier		Identifier for the Invoicee, provided by the Basic Service Provider
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C080.3036	Party Name		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	C059.3042	Street and number		
SG2 – NAD	3164	City Name		
SG2 – NAD	3251	Postal Code		
SG2 – NAD	3207	Country Name code		ISO3166 (3 character code)
SG7 – CUX	C504.6347	Currency Details qualifier	1	Charge payment currency
SG7 – CUX	C504.6345	Currency identification code		ISO 4217 currency code (e.g. EUR, USD)



Electronic Billing Implementation Guidelines



3.6.3 Detail Information

Note: Each new service [MSISDN] within the EDI E-Bill will have its own LIN segment group at configuration level 0 (LIN.1222). All individual charges related to this MSISDN will appear in individual LIN segment groups at configuration level 1, referring to corresponding level 0 LIN segment group (MSISDN).

The following product/service identifier will identify each MSISDN LIN segment group: 006. Example: IMD+C++02:004:193:**006**

Edifact Segment	Edifact Data Element	Description	Values	Remarks
SG26 – LIN	1082	Line Item number		Incremental number
SG26 – LIN	C829.1082	Sub-line Line item number		Line number of the immediate higher level to which the sub-line relates. Not used for Level 0
SG26 – LIN	1222	Configuration Level		Number indicating the level of a line item within a hierarchy. The value "0" is the highest level
SG26 – IMD	7077	Item description type,coded	C	Coded value
SG26 – IMD	C273.7009	Item description identification	140 159 160 60 80 JB JL MGA 295	Other voice services Non-voice services Packet switching Other supplies and services Refunding/credit entry Off-peak Regular Message rate adjustment Discount-special
SG26 – IMD	C273.1131	Code list identification code	001	ETIS codelist 001
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	7077	Item description type,coded	C	Coded value
SG26 – IMD	C273.7009	Item description identification	01 02 04 06 07 09 99	Rental Usage Discount Sales Installation/Activation Regularisation (Carry over, refund etc.) Other
SG26 – IMD	C273.1131	Code list identification code	004	ETIS codelist 004
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	C273.7008	Item Description		Supplier Product Code Please refer to the Proximus product catalog, or the BMB code list:



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				Service Level: 006 (to identify an MSISDN number) 291, 292, 293, 294, 295, 340, 341, 342, 301, 302, 303, 310, 320, 330, 331, 332, 333, 336, 351, 352, 361, 365, 371, 372, 373
SG26 – IMD	7077	Item description type,coded	F	Free text
SG26 – IMD	C273.7009	Item description identification	A02 F01 Z01 Z02 F02	Connected PSTN Service Access Point Originating Mobile Service Access Point Other originating Other connected Mobile telephony
SG26 – IMD	C273.1131	Code list identification code	005	Service access point types, ETIS codelist 005
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	C273.7008	Item Description		Service Access Point
SG26 – IMD	C273.7008	Item Description	TEL	
SG26 – IMD	7077	Item description type,coded	F	Free text
SG26 – IMD	C273.7009	Item description identification	02 04 06 08 99	Usage Discount Sales Non recurring charge Other
SG26 – IMD	C273.1131	Code list identification code	004	ETIS
SG26 – IMD	C273.3055	Code list responsible agency code	193	ETIS
SG26 – IMD	C273.7008	Item Description		Service or Service Access Point description
SG26 – IMD	C273.3453	Language code		
SG26 – QTY	C186.6063	Quantity Type code qualifier	107 88	Chargeable number of units Informational quantity
SG26 – QTY	C186.6060	Quantity		
SG26 – QTY	C186.6411	Measure unit qualifier	SEC MIN 2P NF NAR	Seconds Minutes Kilobytes Messages Number of articles
SG26 – DTM	C507.2005	Date/time/period function code qualifier	206 194 183 163 164 48	End date Start date Date, as at Processing (call) start date Processing (call) end date (for future use → currently not used) Processing duration
SG26 – DTM	C507.2380	Date/time/period value		Date/time (CCYYMMDDHHMMSS or Number of Seconds)
SG26 – DTM	C507.2379	Date/time/period format code	204 SEC	For C507.2005 == 206, 194, 183, 163 or 164 For C507.2005 == 48



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SG26 – FTX	4451	Text Subject Code Qualifier	LIN	Line Item Information (including Serial Numbers)
SG26 – FTX	4453	Text function, coded	1	
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	C108.4440	Free Text value		
SG26 – FTX	3453	Language name code	FRA NLD ENG DEU	
SG27 - MOA	C516.5025	Monetary amount type code qualifier	38	Invoice item amount
SG27 - MOA	C516.5004	Monetary amount value		Charge Amount
SG29 – PRI	C509.5125	Price qualifier	CAL	Calculation price
SG29 – PRI	C509.5118	Price		Net Unit Price Value
SG30 – RFF	C506.1153	Reference qualifier	IV CT	Invoice reference Contract number
SG30 – RFF	C506.1154	Invoice number		
SG30 – RFF	C506.1156	Line Number		Line number of the summary item in the corresponding invoice.
SG33 – LOC	3227	Location function code qualifier	8	Place of destination
SG33 – LOC	C517.3224	Location name		Location description
TAX	5283	Duty/Tax/Fee function qualifier	1	Tax Related information
TAX	C241.5153	Duty/Tax/Fee type name code	VAT FRE	VAT applicable VAT exemption
TAX	C242.5152	Duty/Tax/Fee type name		VAT Exempt reason code (only when Duty/Tax/Fee type name code == 'FRE')
TAX	C243.5278	Duty/Tax/Fee rate		VAT rate (only when Duty/Tax/Fee type name code == 'VAT')
CUX	C504.6347	Currency details qualifier	1	Payment currency
CUX	C504.6345	Currency identification		ISO 4217 currency code (e.g. EUR, USD)

3.6.4 Summary Information

Edifact Segment	Edifact Data Element	Description	Values	Remarks
UNS	0081	Section Identification	S	
CNT	C270.6069	Control total type code qualifier	2	Number of line items in message
CNT	C270.6066	Control value		
MOA	C516.5025	Monetary amount type code qualifier	9 77 124, 150	Amount Due/Payable Amount Invoice amount Tax amount



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			125, B03 136 174 300 B04	Taxable amount (B03 = BMF100-code) Carry-over amount (used in invoices only – amnt carried over from a cre-note) Balance amount (in invoices only - where the balance amount is negative) Amount carried over to invoice (used in cre-note only – always positive) Taxable amount (B04 = BMF100-code)
MOA	C516.5004	Monetary amount value		
UNT	0074	Number of segments in a message		
UNT	0062	Message reference number		Same as UNH.0062

4 ETIS XML Message Implementation Guidelines

4.1 General

The INVOIC message will be implemented according the ETIS/EBG XML specifications.

These specifications – hereafter referred to as ETEB – serve to distinguish between different types of messages:

- ETEB01: XSD for simple invoices/credit notes (i.e., without call details);
- ETEB02: XSD for complex invoices/credit notes (i.e., possibly integrating call details);
- ETEB03: XSD for a list of call details – this is not an invoice;
- ETEB04: XSD for a price catalog and/or for code management.

The Belgacom Mobile implementation exclusively uses the XSD ETEB02 and ETEB04 where different types will not be combined in one and the same XML file. The root element of the XML file will always be named ETEB.

The sections below describe how the ETIS/EBG subset will be applied for Proximus eBills.

The following Message Implementation Guidelines are hereafter defined:

- Usage Bills (invoice, Credit Notes, Debit Notes and Datasheet)
 - Simple Invoice
 - Datasheet, containing detailed usage information

The table below shows all fields that may occur in an ETIS XML file from Belgacom Mobile.

4.2 Invoice vs Datasheet

The datasheet contains the call details about a phone number, e.g. on 22/9/2007 at 11:09 a national call was made with destination 4752490XX . This kind of information will only be stored online for 1.5 year (because of privacy it is legally only allowed to store this information for such a limited period)..



Electronic Billing Implementation Guidelines



The invoice contains information that may be legally stored for a longer term.

This can be for example the number of SMS messages send to another network.

The Invoice also contains summaries about the phone number, e.g. for for national calls the total used minutes was 31:09 and the total amount was 0,5129.

About the product codes:

The complete list of product codes can be found in Product Code List.

Each detail item has a product code (ServiceProduct/Id).

1/ Most product codes in the ETIS XML Invoice do not have a prefix 007. These are detailed records. The complete list of detailed records can be found in Product Code List in the column 'Product Code BMB'.

2/ Some product codes in the ETIS XML Invoice have a prefix 007. These are summary records (see column 'Product Code BMB Summary' in the Product Code List). In that case the datasheet will contain corresponding 'service instance' detail items with the same product code but without the prefix.

The ETIS XML Invoice can only contain the following summary records:

007301 (this is the total of the R301 service instances from the datasheet)

007302 (this is the total of the R302 service instances from the datasheet)

007310 (analogue)

007320 (analogue)

007303 (analogue)

007371 (analogue)

007372 (analogue)

007373 (analogue)

Other summary records exist in the Product Code List but will not occur in the ETIS XML Invoice)

The ETIS XML Datasheet can only contain the following product codes:

301

302

310

320

303

371
372
373

Remark:

The BMB codes 340, 341, 342, 351, 352, 361 and 365 do not represent single SMS messages but they represent CumulatedServiceUsage. As CumulatedServiceUsage elements cannot be part of a datasheet according to the Etis XML standard, these BMB codes are placed in the invoice instead of in the datasheet.

4.3 Usage Bills Message Implementation Guidelines for Invoice

4.3.1 General Information

Every Belgacom Mobile invoice or credit note must be transmitted as a separate ETEB01 element, in line with the XSDs issued by ETIS/EBG. This means that any details about individual calls do not form an integral part of the invoice itself. These are supplied in a separate document (data sheet) according to the ETEB03 structure.

Since, in principle, several invoices or credit notes are contained in one XML file, the ETEB01 element will be repeated in the ETEB root element.

The table shows all fields that may occur in an ETIS XML file from Belgacom Mobile. Fields that are not mentioned will not be used by Belgacom Mobile for the moment.

4.3.2 Header Information

XML Element	XML Element	Description	Values	Remarks
Header				
	DocumentId	Unique identification of an invoice or credit note (internal sequential number at Belgacom).		Invoice/Credit Note/Debit Note/M-Commerce Number
	DocumentType		380 381	Invoice Credit Note



Electronic Billing Implementation Guidelines



			383 380	Debit Note M-Commerce statement
	DocumentFunction	Original/duplicate indication	9 7	Original Duplicate
	DetailsFlag		ETEB01	Simple invoice
	AccountNumber			Identifier for the Buyer, provided by the Basic Service Provider
	ReferenceForPayment	Structured communication to be used as a reference by the customer when paying the invoice.		Structured Payment Reference Number
	DefaultCurrency	Default currency in which the invoiced amounts are expressed.		ISO 4217 currency code (e.g. EUR, USD)
	Language	Official language used for the invoice and any text.	FRA NLD DEU	
	IssuingDate	Invoicing date.		
Header>DefaultTax				
	Type		VAT FRE	VAT is used VAT exemption
	Rate			Default vat rate value
	Exemption	Indicates the exemption, explaining why no VAT is applicable. This information is indicated using a code.		VAT Exempt reason code (only when Duty/Tax/Fee type name code == 'FRE')
Header>Customer				
	Id	Identification of the customer.		Identifier for the Buyer, provided by the Basic Service Provider
	IdOrganisation	Indicates the organization that issues this identification, in this case Belgacom Mobile, since the account id is used at Belgacom Mobile.		BELGACOMMOBILE
	Name	Official name of the customer.		
Header>Customer>GeographicalAddress				
	StreetName			
	PostOfficeBoxNumber			
	ZIPCode			
	City			
	CountryCode			ISO3166 (3 character code)
Header>Invoicee				
	Id			Identifier for the Invoicee, provided by the Basic Service Provider
	IdOrganisation	Indicates the organization that issues this identification, in this case Belgacom Mobile, since the account id is used at Belgacom Mobile.		BELGACOMMOBILE
	Name			
Header>Invoicee>GeographicalAddress				



Electronic Billing Implementation Guidelines



	StreetName			
	PostOfficeBoxNumber			
	ZIPCode			
	City			
	CountryCode			Identifier for the Invoicee, provided by the Basic Service
Header>BasicServiceProvider	InternationalId	Identification of the basic service provider/invoicing party.		BEL01
	Name	Name of the basic service provider/invoicing party.		BELGACOM MOBILE-PROXIMUS
Header>BasicServiceProvider>GeographicalAddress		Address of the basic service provider/invoicing party.		
	StreetName			
	PostOfficeBoxNumber			
	ZIPCode			
	City			
	CountryCode			
Header>BasicServiceProvider>BankAccount				
	AccountNumber	Account number onto which a manual payment of the invoice is to be made.		Bank Account Number Basic Service Provider
Header>BasicServiceProvider>TaxRegistrationId				
	Type	Indicates that the number given is a VAT registration number ("VA" code) (only given if the customer is required to pay VAT).		VA
	Id			BE0453918428
Header> PaymentTerms				
	DueDate	The date by which the invoice must be paid. For credit notes, the payment due date is indicated as 0 days for form's sake.		Net due date/time
Header> PaymentMeans				
	Type	Indicates that the invoice is paid automatically by direct debit order or by credit card, or that it will be paid manually.	31 3	Debit transfer Automatic clearing house debit

4.3.3 Detail Information



Electronic Billing Implementation Guidelines



There are 4 types of detail elements that can occur for an Invoice:

- ServiceSubscription
- CumulatedServiceUsage
- OncePaidService
- ServiceInstance

ServiceSubscription

XML Element	XML Element	Description	Values	Remarks
Detail>ServiceSubscription				
Detail>ServiceSubscription>ServiceProduct				
	Id		292	Supplier Product Code Please refer to the Proximus product catalog, or the BMB code list: Account Level: 240 Service Level: 292
	ChargeTypeId		01	Rental
	Description			Description
Detail>ServiceSubscription>NumberOfUnits				
	UnitType		107 88	Chargeable number of units Informational quantity
	UnitOfMeasurement		SEC MIN 2P NF NAR UN	Seconds Minutes Kilobytes Messages Number of articles Unit
	Number			
Detail>ServiceSubscription>BasicAmount				
	NetAmount			
Detail>ServiceSubscription>ServiceAccessPoint				
	Type		Concatenation of medium and role. Medium: A=PSTN B=ISDN C=LEASED LINE D=TELEX E=SWITCHED DATA NETWORK	



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			F=MOBILE TELEPHONY G=CALLING CARD H=VALUE ADDED SERVICES I=PAGING X=UNDEFINED Z=OTHER Roles: 01=Originating 02=Connected	
	Id			Unique identification of the service access point among all service access points of the given service access point type
Detail>ServiceSubscription>Tax	Type		VAT	
	Rate			
Detail>ServiceSubscription	StartDate			
	EndDate			

CumulatedServiceUsage

XML Element	XML Element	Description	Values	Remarks
Detail>CumulatedServiceUsage				
Detail>CumulatedServiceUsage>ServiceProduct				
	Id			Supplier Product Code Please refer to the Proximus product catalog, or the BMB code list: Service Level: 340, 341, 342, 007301, 007302, 007303, 007310, 007320, 351, 352, 361, 365, 007371, 007372, 007373
	ChargeTypeid		02 04 06 07	Usage Discount Sales Installation/Activation



Electronic Billing Implementation Guidelines



			09 99	Regularisation (Carry over, refund etc.) Other
	Description			Description
Detail>CumulatedServiceUsage>NumberOfUnits	UnitType		107 88	Chargeable number of units Informational quantity
	UnitOfMeasurement		SEC MIN 2P NF NAR UN	Seconds Minutes Kilobytes Messages Number of articles Unit
	Number			
Detail>CumulatedServiceUsage>BasicAmount	NetAmount			
Detail>CumulatedServiceUsage>Tax				
	Type		VAT	
	Rate			
Detail>CumulatedServiceUsage>ServiceAccessPoint	Type		Concatenation of medium and role. Medium: A=PSTN B=ISDN C=LEASED LINE D=TELEX E=SWITCHED DATA NETWORK F=MOBILE TELEPHONY G=CALLING CARD H=VALUE ADDED SERVICES I=PAGING X=UNDEFINED Z=OTHER Roles: 01=Originating 02=Connected	
	Id			Unique identification of the service access point among all service access points of the given service access point type
Detail>CumulatedServiceUsage				



Electronic Billing Implementation Guidelines



	StartDate			
	EndDate			

OncePaidService

XML Element	XML Element	Description	Values	Remarks
Detail> OncePaidService				
Detail> OncePaidService >ServiceProduct				
	Id			Supplier Product Code Please refer to the Proximus product catalog, or the BMB code list: Account Level: 201, 202, 205, 250, 251, 252 Service Level: 291, 293, 294, 295
	ChargeTypeId		02 04 06 07 09 99	Usage Discount Sales Installation/Activation Regularisation (Carry over, refund etc.) Other
	Description			Description
Detail> OncePaidService >NumberOfUnits				
	UnitType		107 88	Chargeable number of units Informational quantity
	UnitOfMeasurement		SEC MIN 2P NF NAR UN	Seconds Minutes Kilobytes Messages Number of articles Unit
	Number			
Detail> OncePaidService >BasicAmount				
	NetAmount			
Detail> OncePaidService >Tax				
	Type		VAT	
	Rate			
Detail>OncePaidService>ServiceAccessPoint				
	Type		Concatenation of medium and role.	



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			Medium: A=PSTN B=ISDN C=LEASED LINE D=TELEX E=SWITCHED DATA NETWORK F=MOBILE TELEPHONY G=CALLING CARD H=VALUE ADDED SERVICES I=PAGING X=UNDEFINED Z=OTHER Roles: 01=Originating 02=Connected	
	Id			Unique identification of the service access point among all service access points of the given service access point type
Detail> OncePaidService				
	StartDate			
	EndDate			

ServiceInstance

XML Element	XML Element	Description	Values	Remarks
Detail> ServiceInstance				
Detail> ServiceInstance>ServiceProduct				
	Id			Supplier Product Code Please refer to the Proximus product catalog, or the BMB code list: Service Level: 330, 331, 332, 333, 336,
	ChargeTypeid		02 04 06 07 09	Usage Discount Sales Installation/Activation Regularisation (Carry over, refund etc.)



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	Description		99	Other
Detail> ServiceInstance>NumberOfUnits	UnitType		107 88	Chargeable number of units Informational quantity
	UnitOfMeasurement		SEC MIN 2P NF NAR UN	Seconds Minutes Kilobytes Messages Number of articles Unit
Detail>ServiceInstance>BasicAmount	Number			
	NetAmount			
Detail> ServiceInstance >Tax	Type		VAT	
Detail> ServiceInstance >ServiceAccessPoint	Rate			
	Type		Concatenation of medium and role. Medium: A=PSTN B=ISDN C=LEASED LINE D=TELEX E=SWITCHED DATA NETWORK F=MOBILE TELEPHONY G=CALLING CARD H=VALUE ADDED SERVICES I=PAGING X=UNDEFINED Z=OTHER Roles: 01=Originating 02=Connected	
	Id			Unique identification of the service access point among all service access points of the given service access point type
Detail> ServiceInstance				
Detail> ServiceInstance> StartTime	Date			
	Time			



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Detail> ServiceInstance> EndTime	Date Time			
Detail> ServiceInstance> Duration	TimeUnits UnitOfMeasurement		SEC=seconds 5=Place of departure 8=Place of destination	Identification of the total time of a service instance counted from its start time
Detail>Location	Type			
	ID			Unique identifier of the location from which a good/service/service instance was initiated/originated or accepted by/delivered to the customer
	Description			Description of the location from which a good/service/service instance was initiated/originated or accepted by/delivered to the customer

4.3.4 Summary Information

XML Element	XML Element	Description	Values	Remarks
Summary>Total	AmountToBePaid			Amount Due/Payable Amount
	AmountOfInvoice			Invoice amount
Summary>SubtotalPerVatOrTaxRateOrJustification	Flag		VAT FRE	VAT is used VAT exemption
	Rate			vat rate value
	SubtotalPerVatOrTax			Taxable amount
	VatOrTaxPerSubTotal			Tax amount



Electronic Billing Implementation Guidelines



4.4 Usage Bills Message Implementation Guidelines for Datasheet

4.4.1 General Information

For the datasheet an ETEB03 element is used.

The table shows all fields that may occur in an ETIS XML file from Belgacom Mobile. Fields that are not mentioned will not be used by Belgacom Mobile for the moment.

4.4.2 Header Information

XML Element	XML Element	Description	Values	Remarks
Header				
	DocumentId	Unique identification of an invoice or credit note (internal sequential number at Belgacom).		Invoice/Credit Note/Debit Note/M-Commerce Number
	DocumentType		380 381 383 380	Invoice Credit Note Debit Note M-Commerce statement
	DocumentFunction	Original/duplicate indication	9 7	Original Duplicate
	DetailsFlag		ETEB02	invoice with details
	AccountNumber			Identifier for the Buyer, provided by the Basic Service Provider
	DefaultCurrency	Default currency in which the invoiced amounts are expressed.		ISO 4217 currency code (e.g. EUR, USD)
	IssuingDate	Invoicing date.		
Header>Customer				
	Id	Identification of the customer.		Identifier for the Buyer, provided by the Basic Service Provider
	IdOrganisation	Indicates the organization that issues this identification, in this case Belgacom Mobile, since the account id is used at Belgacom Mobile.		BELGACOMMOBILE
	Name	Official name of the customer.		
Header>Customer>GeographicalAddress				
	StreetName			
	PostOfficeBoxNumber			
	ZIPCode			
	City			



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Header>Invoicee	CountryCode		ISO3166 (3 character code)
	Id		Identifier for the Invoicee, provided by the Basic Service Provider
	IdOrganisation Name	Indicates the organization that issues this identification, in this case Belgacom Mobile, since the account id is used at Belgacom Mobile.	BELGACOMMOBILE
Header>Invoicee>GeographicalAddress	StreetName		
	PostOfficeBoxNumber		
	ZIPCode		
	City		
	CountryCode		Identifier for the Invoicee, provided by the Basic Service
Header>BasicServiceProvider	InternationalId	Identification of the basic service provider/invoicing party.	BEL01
	Name	Name of the basic service provider/invoicing party.	BELGACOM MOBILE-PROXIMUS
Header>BasicServiceProvider>GeographicalAddress	StreetName	Address of the basic service provider/invoicing party.	
	PostOfficeBoxNumber		
	ZIPCode		
	City		
	CountryCode		
Header>BasicServiceProvider>BankAccount	AccountNumber	Account number onto which a manual payment of the invoice is to be made.	Bank Account Number Basic Service Provider
Header>BasicServiceProvider>TaxRegistrationId	Type	Indicates that the number given is a VAT registration number ("VA" code) (only given if the customer is required to pay VAT).	VA
	Id		BE0453918428



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4.4.3 Detail Information

There is 1 type of detail elements:

- ServiceInstance

XML Element	XML Element	Description	Values	Remarks
Detail> ServiceInstance				
Detail> ServiceInstance>ServiceProduct				
	Id			Supplier Product Code Please refer to the Proximus product catalog, or the BMB code list: Service Level: 301, 302, 303, 310, 320, 371, 372, 373
	ChargeTypeld		02 04 06 07 09 99	Usage Discount Sales Installation/Activation Regularisation (Carry over, refund etc.) Other
	Description			Description
Detail> ServiceInstance>NumberOfUnits				
	UnitType		107 88	Chargeable number of units Informational quantity
	UnitOfMeasurement		SEC MIN 2P NF NAR UN	Seconds Minutes Kilobytes Messages Number of articles Unit
	Number			
Detail>ServiceInstance>BasicAmount				
	NetAmount			
Detail> ServiceInstance >Tax				
	Type		VAT	
	Rate			
Detail> ServiceInstance >ServiceAccessPoint				
	Type		Concatenation of medium and role. Medium: A=PSTN B=ISDN C=LEASED LINE D=TELEX E=SWITCHED DATA NETWORK	



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			F=MOBILE TELEPHONY G=CALLING CARD H=VALUE ADDED SERVICES I=PAGING X=UNDEFINED Z=OTHER Roles: 01=Originating 02=Connected	
	Id			Unique identification of the service access point among all service access points of the given service access point type
Detail> ServiceInstance				
Detail> ServiceInstance> StartTime				
	Date			
	Time			
Detail> ServiceInstance> EndTime				
	Date			
	Time			
Detail> ServiceInstance> Duration				Identification of the total time of a service instance counted from its start time
	TimeUnits			
	UnitOfMeasurement		SEC=seconds	
Detail>Location	Type		5=Place of departure 8=Place of destination	
	ID			Unique identifier of the location from which a good/service/service instance was initiated/originated or accepted by/delivered to the customer
	Description			Description of the location from which a good/service/service instance was initiated/originated or accepted by/delivered to the customer

4.4.4 Summary Information

XML Element	XML Element	Description	Values	Remarks
Summary>Total				
	AmountOfInvoice			Invoice amount



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5 SAP XML INVOIC02 Message Implementation Guide

5.1 General

The SAP XML Invoice Message is based on the INVOIC02 SAP XML Message (XML IDOC) Specifications.

The sections below describe how the INVOIC02 message has been applied for Proximus eBills.

5.2 Hardware Bills Message Implementation Guidelines

5.2.1 Header Information

XPATH	Description	Values	Comment
/INVOIC02/IDOC/EDI_DC40/TABNAM		EDI_DC40	
/INVOIC02/IDOC/EDI_DC40/MANDT		002	
/INVOIC02/IDOC/EDI_DC40/DOCNUM	Unique Reference		
/INVOIC02/IDOC/EDI_DC40/DOCREL		46C	
/INVOIC02/IDOC/EDI_DC40/STATUS		30	
/INVOIC02/IDOC/EDI_DC40/DOCTYP			
/INVOIC02/IDOC/EDI_DC40/DIRECT		1	
/INVOIC02/IDOC/EDI_DC40/OUTMOD		2	
/INVOIC02/IDOC/EDI_DC40/EXPRSS			
/INVOIC02/IDOC/EDI_DC40/TEST		X if Duplicate/ Empty if Original	
/INVOIC02/IDOC/EDI_DC40/IDOCTYP		INVOIC02	
/INVOIC02/IDOC/EDI_DC40/CIMTYP			
/INVOIC02/IDOC/EDI_DC40/MESTYP		INVOIC	
/INVOIC02/IDOC/EDI_DC40/MESCOD			
/INVOIC02/IDOC/EDI_DC40/MESFCT		BMBHW	
/INVOIC02/IDOC/EDI_DC40/STD			
/INVOIC02/IDOC/EDI_DC40/STDVRS			
/INVOIC02/IDOC/EDI_DC40/STDMES			
/INVOIC02/IDOC/EDI_DC40/SNDPOR		BMB	
/INVOIC02/IDOC/EDI_DC40/SNDPRT			
/INVOIC02/IDOC/EDI_DC40/SNDPFC			
/INVOIC02/IDOC/EDI_DC40/SNDPRN	Sender Identifier	BELGACOMMOBILE	
/INVOIC02/IDOC/EDI_DC40/SNDSAD			



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/INVOIC02/IDOC/EDI_DC40/SNDLAD			
/INVOIC02/IDOC/EDI_DC40/RCVPOR			
/INVOIC02/IDOC/EDI_DC40/RCVPRT			
/INVOIC02/IDOC/EDI_DC40/RCVPFC			
/INVOIC02/IDOC/EDI_DC40/RCVPRN	Receiver Identifier		
/INVOIC02/IDOC/EDI_DC40/RCVSAD			
/INVOIC02/IDOC/EDI_DC40/RCVLAD			
/INVOIC02/IDOC/EDI_DC40/CREDAT	Creation Date		CCYYMMDD
/INVOIC02/IDOC/EDI_DC40/CRETIM	Creation Time		HHMMSS
/INVOIC02/IDOC/EDI_DC40/REFINT			
/INVOIC02/IDOC/EDI_DC40/REFGRP			
/INVOIC02/IDOC/EDI_DC40/REFMES			
/INVOIC02/IDOC/EDI_DC40/ARCKEY			
/INVOIC02/IDOC/EDI_DC40/SERIAL		Unique Reference	
/INVOIC02/IDOC/E1EDK01/CURCY	Currency		
/INVOIC02/IDOC/E1EDK01/ZTERM	Terms of Payment Key	DDOO = Automatic Clearing House Debit CRCD = Credit Card Payment CASH = Debit Transfer (in case of non-automatic payment)	
/INVOIC02/IDOC/E1EDK01/BELNR	Invoice Number		
/INVOIC02/IDOC/E1EDK01/EIGENUINR	Seller VAT Number		
/INVOIC02/IDOC/E1EDK01/KUNDENUINR	Invoicee VAT Number		
/INVOIC02/IDOC/E1EDK01/BSART	Document Type	INVO = Invoice CRME = Credit Note DEBI = Debit Note	
/INVOIC02/IDOC/E1EDKA1/PARVW	Partner Function	LF = Vendor AP = Contact Person EK = Buyer WE = Ship-to party RE = Bill-to party	
/INVOIC02/IDOC/E1EDKA1/PARTN	Partner Number		
/INVOIC02/IDOC/E1EDKA1/NAME1	Name 1		
/INVOIC02/IDOC/E1EDKA1/NAME2	Name 2		
/INVOIC02/IDOC/E1EDKA1/NAME3	Name 3		
/INVOIC02/IDOC/E1EDKA1/STRAS	Street 1		
/INVOIC02/IDOC/E1EDKA1/STRS2	Street 1		
/INVOIC02/IDOC/E1EDKA1/ORT01	City		
/INVOIC02/IDOC/E1EDKA1/PSTLZ	Postal Code		



Electronic Billing Implementation Guidelines



/INVOIC02/IDOC/E1EDKA1/LAND1	Country Code		
/INVOIC02/IDOC/E1EDKA1/TELF1	Telephone nr		
/INVOIC02/IDOC/E1EDKA1/TELFX	Telefax nr		
/INVOIC02/IDOC/E1EDK02/QUALF	Referenced Document Qualifier	009 = Referenced Invoice Number	
/INVOIC02/IDOC/E1EDK02/BELNR	Referenced Document		
/INVOIC02/IDOC/E1EDK03/IDDAT	Date Qualifier	016 = Invoice Date 028 = Due Date	
/INVOIC02/IDOC/E1EDK03/DATUM	Date		
/INVOIC02/IDOC/E1EDK05/ALCKZ	Charge/Discount Indicator	+ = Charge	
/INVOIC02/IDOC/E1EDK05/KOTXT	Condition Text	LOGISTIC COST	
/INVOIC02/IDOC/E1EDK05/BETRG	Charge/Discount Amount		
/INVOIC02/IDOC/E1EDK04/MWSKZ	VAT Indicator	001, 002, 003, etc.	
/INVOIC02/IDOC/E1EDK04/MSATZ	VAT Rate		
/INVOIC02/IDOC/E1EDK04/MWSBT	VAT Amount		
/INVOIC02/IDOC/E1EDK04/ZBASE	VAT Base Amount		
/INVOIC02/IDOC/E1EDK28/ACNUM	Bank Account Number		
/INVOIC02/IDOC/E1EDKT1/TDID	Text Id	005 = Invoice Header Information	
/INVOIC02/IDOC/E1EDKT1/TSSPRAS_ISO	Text Language	NL, FR, DE, EN	
/INVOIC02/IDOC/E1EDKT1/E1EDKT2/TDLIN	Text Line		



Electronic Billing Implementation Guidelines



5.2.2 Detail Information

XPATH	Description	Values	Comment
/INVOIC02/IDOC/E1EDP01/POSEX	Line Number		
/INVOIC02/IDOC/E1EDP01/MENGE	Quantity		
/INVOIC02/IDOC/E1EDP01/MENEE	Quantity Unit Of Measure	PCE	
/INVOIC02/IDOC/E1EDP01/MATKL	Idoc material class		
/INVOIC02/IDOC/E1EDP01/E1EDP02/QUALF	Referenced Document Qualifier	001 = Customer Purchase Order 012 = Delivery Note Number	
/INVOIC02/IDOC/E1EDP01/E1EDP02/BELNR	Referenced Document Number		
/INVOIC02/IDOC/E1EDP01/E1EDP02/DATUM	Referenced Document Date		
/INVOIC02/IDOC/E1EDP01/E1EDP19/QUALF	Object ID Qualifier	002 = Material Number used by Vendor	
/INVOIC02/IDOC/E1EDP01/E1EDP19/DTNR	Object ID Number		
/INVOIC02/IDOC/E1EDP01/E1EDP19/KTEXT	Object ID Description		
/INVOIC02/IDOC/E1EDP01/E1EDP26/QUALF	Amount Qualifier	003 = Net Value 001 = Gross Price	
/INVOIC02/IDOC/E1EDP01/E1EDP26/BETRG	Amount		
/INVOIC02/IDOC/E1EDP01/E1EDP04/MWSKZ	VAT Indicator	001	
/INVOIC02/IDOC/E1EDP01/E1EDP04/MSATZ	VAT Rate		
/INVOIC02/IDOC/E1EDP01/E1EDP04/MWSBT	VAT Amount		
/INVOIC02/IDOC/E1EDP01/E1EDP05/ALCKZ	Charge/Discount Indicator		
/INVOIC02/IDOC/E1EDP01/E1EDP05/KOTXT	Condition Text	RECUPEL BEBAT DISCOUNT	In case of RECUPEL Tax In case of BEBAT Tax In case of commercial discount
/INVOIC02/IDOC/E1EDP01/E1EDP05/BETRG	Charge/Discount Amount		for RECUPEL
/INVOIC02/IDOC/E1EDP01/E1EDP05/KPERC	Charge/Discount Percentage		for DISCOUNT
/INVOIC02/IDOC/E1EDP01/E1EDPT1/TDID	Text Id	006 = Invoice Line Information	
/INVOIC02/IDOC/E1EDP01/E1EDPT1/TSSPRAS_ISO	Text Language	NL, FR, DE, EN	
/INVOIC02/IDOC/E1EDP01/E1EDPT1/E1EDP01/E1EDPT2/TDLIN	Text Line		



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5.2.3 Summary Information

XPATH	Description	Values	Comment
/INVOIC02/IDOC/E1EDS01/SUMID	Total Qualifier	Z01 = Payable Amount 011 = Billed Value 020 = Total Discounts/Charges 005 = Sales Tax Total 010 = Net Invoice Value Z02 = Total Line Item Amount	
/INVOIC02/IDOC/E1EDS01/SUMME	Total Amount		

5.2.4 Legally required fields on an electronic bill (Hardware)

The Table below describes the fields that are legally required to appear on a electronic Bill.

Description of Field	SAP XML
Issue date of the invoice	/INVOIC02/IDOC/E1EDK03/DATUM (IDDAT = 016)
Identifying/sequential number	/INVOIC02/IDOC/E1EDK01/BELNR
VAT id for supplier	/INVOIC02/IDOC/E1EDK01/EIGENUINR
VAT id for customer	/INVOIC02/IDOC/E1EDK01/KUNDENUINR
Full name/address for supplier	/INVOIC02/IDOC/E1EDKA1 (PARVW = LF) (fields NAME1, STRAS, ORT01, PSTLZ)
Full name/address for buyer	/INVOIC02/IDOC/E1EDKA1 (PARVW = RE) (fields NAME1, STRAS, ORT01, PSTLZ)
Quantity of the goods supplied	/INVOIC02/IDOC/E1EDP01/MENGE
Nature of the goods supplied	/INVOIC02/IDOC/E1EDP01/E1EDP19/KTEXT (QUALF = 002)
Date on which supply of goods were made	/INVOIC02/IDOC/E1EDP01/E1EDP02/DATUM (QUALF = 012)
Date of account payment	/INVOIC02/IDOC/E1EDK03/DATUM (IDDAT = 028)
Taxable amount per rate or exemption	/INVOIC02/IDOC/E1EDK04/ZBASE
Vat rate	/INVOIC02/IDOC/E1EDK04/MSATZ
Vat amount payable	/INVOIC02/IDOC/E1EDS01/SUMME (SUMID = 005)



Electronic Billing Implementation Guidelines



5.3 Usage Bills Message Implementation Guidelines

5.3.1 General Information

The Usage Bill uses 2 levels of Detail information

- Level 0: can contain detail for the following type of Bill Information:
 - Account Level related Billing information
 - Service Level related Billing information: i.e. the charge amount per telephone nr.
- Level 1: can contain the communication details for the referenced telephone nr.

5.3.2 Header Information

XPATH	Description	Values	Comment
/INVOIC02/IDOC/EDI_DC40/TABNAM		EDI_DC40	
/INVOIC02/IDOC/EDI_DC40/MANDT		002	
/INVOIC02/IDOC/EDI_DC40/DOCNUM	Unique Reference		
/INVOIC02/IDOC/EDI_DC40/DOCREL		46C	
/INVOIC02/IDOC/EDI_DC40/STATUS		30	
/INVOIC02/IDOC/EDI_DC40/DOCTYP			
/INVOIC02/IDOC/EDI_DC40/DIRECT		1	
/INVOIC02/IDOC/EDI_DC40/OUTMOD		2	
/INVOIC02/IDOC/EDI_DC40/EXPRSS			
/INVOIC02/IDOC/EDI_DC40/TEST		X if Duplicate/ Empty if Original	
/INVOIC02/IDOC/EDI_DC40/IDOCTYP		INVOIC02	
/INVOIC02/IDOC/EDI_DC40/CIMTYP			
/INVOIC02/IDOC/EDI_DC40/MESTYP		INVOIC MCOMMERCE	
/INVOIC02/IDOC/EDI_DC40/MESCOD			
/INVOIC02/IDOC/EDI_DC40/MESFCT		BMBUSAGE	
/INVOIC02/IDOC/EDI_DC40/STD			
/INVOIC02/IDOC/EDI_DC40/STDVRS			
/INVOIC02/IDOC/EDI_DC40/STDMES			
/INVOIC02/IDOC/EDI_DC40/SNDPDR		BMB	
/INVOIC02/IDOC/EDI_DC40/SNDPRT			



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/INVOIC02/IDOC/EDI_DC40/SNDPFC			
/INVOIC02/IDOC/EDI_DC40/SNDPRN	BELGACOMMOBILE		
/INVOIC02/IDOC/EDI_DC40/SNDSAD			
/INVOIC02/IDOC/EDI_DC40/SNDLAD			
/INVOIC02/IDOC/EDI_DC40/RCVPOR			
/INVOIC02/IDOC/EDI_DC40/RCVPRT			
/INVOIC02/IDOC/EDI_DC40/RCVPFC			
/INVOIC02/IDOC/EDI_DC40/RCVPRN	Receiver Identifier		
/INVOIC02/IDOC/EDI_DC40/RCVSAD			
/INVOIC02/IDOC/EDI_DC40/RCVLAD			
/INVOIC02/IDOC/EDI_DC40/CREDAT	Creation Date		CCYYMMDD
/INVOIC02/IDOC/EDI_DC40/CRETIM	Creation Time		HHMMSS
/INVOIC02/IDOC/EDI_DC40/REFINT			
/INVOIC02/IDOC/EDI_DC40/REFGRP			
/INVOIC02/IDOC/EDI_DC40/REFMES			
/INVOIC02/IDOC/EDI_DC40/ARCKEY			
/INVOIC02/IDOC/EDI_DC40/SERIAL			
/INVOIC02/IDOC/E1EDK01/CURCY	Currency		
/INVOIC02/IDOC/E1EDK01/ZTERM	Terms of Payment Key	DDOO = Automatic Clearing House Debit CRCD = Credit Card Payment CASH = Debit Transfer (in case of non-automatic payment)	
/INVOIC02/IDOC/E1EDK01/BELNR	Invoice Number		
/INVOIC02/IDOC/E1EDK01/EIGENUINR	Seller VAT Number		
/INVOIC02/IDOC/E1EDK01/KUNDENUINR	Invoicee VAT Number		
/INVOIC02/IDOC/E1EDK01/BSART	Document Type	INVO = Invoice CRME = Credit Note DEBI = Debit Note	
/INVOIC02/IDOC/E1EDKA1/PARVW	Partner Function	LF = Vendor EK = Buyer RE = Bill-to party	
/INVOIC02/IDOC/E1EDKA1/PARTN	Partner Number		
/INVOIC02/IDOC/E1EDKA1/NAME1	Name 1		
/INVOIC02/IDOC/E1EDKA1/NAME2	Name 2		
/INVOIC02/IDOC/E1EDKA1/NAME3	Name 3		
/INVOIC02/IDOC/E1EDKA1/STRAS	Street 1		
/INVOIC02/IDOC/E1EDKA1/STRS2	Street 1		
/INVOIC02/IDOC/E1EDKA1/ORT01	City		



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/INVOIC02/IDOC/E1EDKA1/PSTLZ	Postal Code		
/INVOIC02/IDOC/E1EDKA1/LAND1	Country Code		
/INVOIC02/IDOC/E1EDK02/QUALF	Referenced Document Qualifier	Z01 = Structured Payment Reference	
/INVOIC02/IDOC/E1EDK02/BELNR	Referenced Document		
/INVOIC02/IDOC/E1EDK03/IDDAT	Date Qualifier	016 = Invoice Date 028 = Due Date Z01 = Bill Start Date Z02 = Bill End Date	
/INVOIC02/IDOC/E1EDK03/DATUM	Date		
/INVOIC02/IDOC/E1EDK04/MWSKZ	VAT Indicator	001, 002, 003, etc.	
/INVOIC02/IDOC/E1EDK04/MSATZ	VAT Rate		
/INVOIC02/IDOC/E1EDK04/MWSBT	VAT Amount		
/INVOIC02/IDOC/E1EDK04/ZBASE	VAT Base Amount		
/INVOIC02/IDOC/E1EDK28/ACNUM	Bank Account Number		
/INVOIC02/IDOC/E1EDKT1/TDID	Text Id	005 = Invoice Header Information	
/INVOIC02/IDOC/E1EDKT1/TSSPRAS_ISO	Text Language	NLD, FRA, DEU, ENG	
/INVOIC02/IDOC/E1EDKT1/E1EDKT2/TDLINE	Text Line		

5.3.3 Detail Information

XPATH	Description	Values	Comment
Invoice Detail --> Level 0			
/INVOIC02/IDOC/E1EDP01/POSEX	Line Number		
/INVOIC02/IDOC/E1EDP01/MENGE	quantity		
/INVOIC02/IDOC/E1EDP01/MENEE	unit of measure		
/INVOIC02/IDOC/E1EDP01/MATKL	Material class		
/INVOIC02/IDOC/E1EDP01/E1EDP02/QUALF	Referenced document qualifier	016 = Invoice number	
/INVOIC02/IDOC/E1EDP01/E1EDP02/BELNR	Referenced document number		
/INVOIC02/IDOC/E1EDP01/E1EDP02/DATUM	Referenced document date		
/INVOIC02/IDOC/E1EDP01/E1EDP03/IDDAT	Date qualifier		
/INVOIC02/IDOC/E1EDP01/E1EDP03/DATUM	Date		
/INVOIC02/IDOC/E1EDP01/E1EDP04/MWSKZ	VAT Indicator	001, 002, 003, etc.	
/INVOIC02/IDOC/E1EDP01/E1EDP04/MSATZ	VAT Rate		
/INVOIC02/IDOC/E1EDP01/E1EDP19/QUALF	Object ID Qualifier	002 = Material Number used by Vendor	
/INVOIC02/IDOC/E1EDP01/E1EDP19/IDTNR	Object ID Number		
/INVOIC02/IDOC/E1EDP01/E1EDP19/KTEXT	Object ID Description		



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/INVOIC02/IDOC/E1EDP01/E1EDP26/QUALF	Amount Qualifier	003 = Net Value	
/INVOIC02/IDOC/E1EDP01/E1EDP26/BETRG	Amount		
/INVOIC02/IDOC/E1EDP01/E1EDPT1/TDID	Text Id	006 = Invoice Line Information	
/INVOIC02/IDOC/E1EDP01/E1EDPT1/TSSPRAS_ISO	Text Language	NLD, FRA, DEU, ENG	
/INVOIC02/IDOC/E1EDP01/E1EDPT1/E1EDP01/E1EDPT2/TDLINE	Text Line		
Invoice Detail --> Level 1			
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZPOSEX	Line Number		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZLEVEL	Number indicating the level of a line item within a hierarchy.		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZHREF	Line number of the immediate higher level to which the sub-line relates.		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZPRODCOD	Product Code		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZMATKL	Material class		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZPRODSAP	Connected Service Access Point		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZNUMUNITS	Chargeable number of units		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZCUMQTY	Cumulative Quantity		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZDATE	Date, as at	CCYYMMDD	
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZPRSTARTDATE	Processing Start Date	CCYYMMDD	
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZPRENDDATE	Processing End Date	CCYYMMDD	
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZDURATION	Duration	Seconds	
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZTEXT	Free Text		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZSSPRAS_ISO	Text Language	NLD, FRA, DEU, ENG	
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZAMOUNT	Charge Amount		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZPRICE	Net Unit Price		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZMSATZ	VAT Rate		
/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZLOC	Location		



Electronic Billing Implementation Guidelines



5.3.4 Summary Information

XPATH	Description	Values	Comment
/INVOIC02/IDOC/E1EDS01/SUMID	Total Qualifier	Z01 = Payable Amount 011 = Billed Value 005 = Sales Tax Total 010 = Net Invoice Value Z02 = Previous balance Z03 = Balance remaining	
/INVOIC02/IDOC/E1EDS01/SUMME	Total Amount		

5.3.5 Legally required fields on an electronic bill (Usage)

The Table below describes the fields that are legally required to appear on a electronic Bill.

Description of Field	SAP XML
Issue date of the invoice	/INVOIC02/IDOC/E1EDK03/DATUM (IDDAT = 016)
Identifying/sequential number	/INVOIC02/IDOC/E1EDK01/BELNR
VAT id for supplier	/INVOIC02/IDOC/E1EDK01/EIGENUINR
VAT id for customer	/INVOIC02/IDOC/E1EDK01/KUNDENUINR
Full name/address for supplier	/INVOIC02/IDOC/E1EDKA1 (PARVW = LF) (fields NAME1, STRAS, ORT01, PSTLZ)
Full name/address for buyer	/INVOIC02/IDOC/E1EDKA1 (PARVW = RE) (fields NAME1, STRAS, ORT01, PSTLZ)
Extent of the services rendered	/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZNUMUNITS
Nature of the services rendered	/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZPRODCOD
Date on which services where made	/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZDATE or
	/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZPRSTARTDATE or
	/INVOIC02/IDOC/E1EDP01/ZDETAIL/ZPRENDDATE
Date of account payment	/INVOIC02/IDOC/E1EDK03/DATUM (IDDAT = 028)



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Taxable amount per rate or exemption	/INVOIC02/IDOC/E1EDK04/ZBASE
Vat rate	/INVOIC02/IDOC/E1EDK04/MSATZ
Vat amount payable	/INVOIC02/IDOC/E1EDS01/SUMME (SUMID = 005)

6 Delivery Channel

6.1 *HTTPS Pull Delivery*

A connector will be installed at the Ebill receiver to download the signed bills in the chosen output format. The Ebills will be transferred encrypted using the SSL functionality of the HTTPS communication protocol.

End-to-End Delivery guarantee will be available when using any of the below connectors:

- **Bizconnect:** Certipost's lightweight connector
As a small Java application, Bizconnect runs on both Windows and Unix platforms. It can be executed manually, or execution can be scheduled on a time basis using the Bizconnect Event Manager & Daemon. Standard Bizconnect installation instructions are available at Certipost.
- **SAP Business Connector (SAP BC)**
SAP BC v4.6 or higher can be used to connect to the Certibusiness Document Broker. Please refer to your SAP BC documentation for detailed information about the Business Connector configuration, and to the Certibusiness.Net HTTPS implementation guideline.
- **Custom connector:**
A custom connector (using HTTPS) can be used, if it is in accordance with the requirements of the Certibusiness.Net HTTPS implementation guideline. This implementation guideline is available at Certipost. Basically, the connector needs to be able to send HTTPS request and to process the returned XML files.

6.2 SMTP Push Delivery

In this case, the signed and encrypted E bills will be sent to the E bill receivers as an email attachment. The bills will be signed and digitally encrypted for privacy reasons. Due to the nature of the SMTP protocol, End-to-End delivery guarantee cannot be provided, and therefore, this option is not recommended.

The SMTP protocol is capable to put restrictions on the maximum size of email attachments. Typically this is around 5 to 10 MB. The Belgacom Mobile E bills, however, can be much larger than this. Therefore, E bills larger than this threshold need to be split into several mails. Each mail will contain only one attachment. The split is a binary split on the (signed & encrypted) E bill and has no influence on structure of the message inside the file. By default, the splitting is done every 2MB. Please contact Certipost to enable any other splitting thresholds.

The email will have the following addressing information:

- FROM: proximus.ebill@certibusiness.net
- TO: to be specified by the Bill Receiver.

The email subject will be in a predefined format:

BMBBF : Uaaaa/bbbb/attachment_counter(/F)

- BMBBF stands for Belgacom Mobile Billing Facility
- U = this character indicates the message type. Currently only invoices are implemented. So "U" will currently always be "I" (the I from Invoice)
- aaaa = this identifier is the main account number of the Belgacom Mobile customer. Each customer can have only two main account numbers. One for usage bills (BUS), one for hardware bills (BHW).
- "/" = separator
- bbbb = contains the unique reference number of this invoice per Belgacom Mobile customer
 - the first part can be "BUS" (for usage bills) or "BHW" (for hardware bills)
 - the second part is an incremental 8 digit number. Both BUS and BHW bills have their own incremental number per Belgacom Mobile customer
- "/" = separator
- attachment_counter = 3 digit attachment number. Each E bill can be binary split into several parts. Each part contains its own logical sequence number in a three-digit format starting from "001".
- (/F)= indicates the last part of the logical sequence of the (split) E bill. This indicator is also inserted if there is only one part (no split needed). The number before this indicator (see attachment_counter) will then also contain the total number of parts of this E bill.

Processing of the E bill should not take place until all parts have been received. Keep in mind that the sequence of arrival can be different from the logical sequence (see attachment_counter). Please contact Belgacom Mobile if a part is missing. In that case, all parts will be resent by Belgacom Mobile.

The filename of the attachment will also be in a predefined format:

ccccccc.ddd.attachment_counter.TXT

- ccccccc = 8 digit unique (not incremental) number
- "." = separator

- ddd = “edi” or “xml”
- “.” separator
- attachment_counter = three digit incremental attachment counter starting from “001” This is the same counter as in the email subject
- the extension of the attachment will be .TXT (capitals)

Let’s take the example whereby:

- You receive a bill for main account number 889300001
- A bill with interchange reference BUS4
- That has a size of 13 Mb and you have specified a maximum of 5 Mb per individual mail

You will then receive the following mails:

Mail Subject	Name of the attachment
BMBF : I889300001/BUS4/001	00000004.edi.001.TXT
BMBF : I889300001/BUS4/002	00000004.edi.002.TXT
BMBF : I889300001/BUS4/003	00000004.edi.003.TXT
BMBF : I889300001/BUS4/004/F	00000004.edi.004.TXT

6.2.1 Initial exchange of Public Keys & Certificates

Certificates will be used for:

Digital signature:

The Bill will be digitally signed using the private key of the **Bill Sender’s certificate**. It is up to the Bill Receiver to verify the validity of the signature by using the Bill Sender’s public. This public key can be downloaded from the X500 directory of the Bill Sender’s Certificate Authority.

We will be using the Certificate will the following subject:

CN = Certipost s.a.-n.v. - VAT Number: BE 475.396.406 - RC-HR Number: Brussel 652.060

OU = Limitation on certificate usage: CertiBusiness applications

OU = Limitation on transaction value: Not applicable

O = Certipost

L = Brussels

C = BE

The corresponding public key & certificate can be downloaded from the following X500 directory: <http://www.e-trust.belqacom.be/page.asp?lang=en&s=369> (Enter the Name – CN – in the ‘Search by Name’ section, and select the correct certificate with the above subject and the most recent ‘valid from’ date).

In case of problems, please contact the Certibusiness Helpdesk.

Encryption:

The Bill will be encrypted using the public key of the **Bill Receiver’s certificate**. The Bill Receiver will then be able to decrypt the Bill using his private key.

Upon initial setup, the Bill Receiver should provide the Certibusiness Helpdesk with his public key and certificate. (.cer file)

6.2.2 Renewal of Public Keys & Certificates

The used certificates have a limited validity period (normally annually renewable). It is up to the certificate owner to contact his Certificate Authority in due time to extend the validity of his certificate.

Upon renewal of the Bill Receiver's certificate, he should send the new public key and certificate to the Certibusiness Helpdesk .

Upon expiration of the Bill Sender's certificate, the Bill Receiver should download the renew certificate & public key from the X500 directory:

<http://www.e-trust.belgacom.be/page.asp?lang=en&s=369>

7 A Note About Certificates, Encryption and Digital Signatures (Digital Ids)

- **Server Certificates:**

Server Certificates provide you with **authentication**, **SSL encryption** and added features. They are used for **proving the identity and ownership of a domain name** and for enabling **confidential communication** between a web server and the connected customers. All **major web server software** supports SSL or its successor TLS for securing server-to-browser connections.

- **Personal Certificates (Digital IDs)**

Digital Certificates, also called **Digital ID's**, are the electronic counterparts to driver licenses, passports or membership cards. Digital Certificates are based on what is called **Public Key Infrastructure** (or **PKI**). Unlike Symmetric Key Encryption - where the encryption key is the same as the decryption key - PKI is a giant leap forward because it is an encryption system that uses a unique key pair consisting of a private key (known only by the owner) and a public key (that is widely known) in order to encrypt and decrypt messages. Digital certificates bring you **Trust** and **Security** when you communicate or do business on the Net by providing these four essential Trust factors:

Authentication: knowing with absolute certainty who you are communicating with.

Integrity: keeping the content of the communication intact after it is created.

Confidentiality: keeping the content of the communication secret from unauthorized readers.

Non-repudiation: having proof of all parties' approval after a transaction.

Certificates are based on common Internet standards such as X.509, RSA, PKCS, PKIX, S/MIME and SSL.

8 Payments

The structured payment reference is passed along with the e-bill. It is paramount that this reference is used when making the payment on the bill in order to ensure correct and timely handling by Proximus. Also, should you require Certipost to develop a specific e-bill mapping for you, we urge you to include this structured payment reference in it.

Payments for e-bills do not differ in any way from payment for paper bills. The same procedures apply. Should there be disagreement about the billed amounts, the same complaints procedure as for paper bills will be used.

9 Contacts

Technical Contact:

Certipost NV
Certibusiness Helpdesk
Ninovesteenweg 196
9320 Erembodegem
Belgium

Tel: +32(0)70/22.55.70
Fax: +32(0)70/22.55.01
Email: support@staff.certipost.be