

Standard Business Document Header (SBDH) Version 1.3 Technical Implementation Guide Issue 3, July 2012



10 **Document Summary**

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12 Log of Changes in 2

Issue No.	Date of Change	Changed By	Summary of Change
1	July-2007	Dipan Anarkat	1st Issue
2	February-2012	Dipan Anarkat Ewa Iwicka	2nd Issue eCom Major Release 3.0 BRAD requirements – SBDH requirement 'SBD1' - May have the ability to include a guideline name and version for the implementation guideline that is followed to develop the instance file. Limit the scope of the Guideline to eCom only, remove GDSN and EPC
3	June-2012	Ewa Iwicka	3rd Issue Modified the use of Business Scope element and its content. Added the support for the 'Test' message flag.

13 Disclaimer

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45 **1.** Introduction

46 **1.1. Purpose**

- This Standard Business Document Header (SBDH) Technical Implementation Guide clarifies the function, design and implementation considerations of the [SBDH]. The document can be used by technical implementers that need knowledge to implement the SBDH in their environment. It can also be used to educate others in the organisation of the advantages of adopting the [SBDH].
- 51 The Standard Business Document Header Technical Implementation Guide is to supplement [SBDH] 52 so that the implementer understands not only the technical details but also practical ways to use the 53 SBDH and guidelines on its appropriate use.
- 54 This guide also demonstrates the benefits of one common document header that enables integration 55 of documents between internal applications, enterprise applications, and business-to-business 56 infrastructure by providing a consistent interface between applications. This consistent interface also 57 enables any application to determine the logical routing requirements and/or the logical processing 58 requirements of a document based on the information contained in the SBDH.

59 Other benefits include the ability to:

- Provide one common SBDH across all vendors, providing vendors with a common standard for integration development
- Provide one common SBDH for any standard or file structure, such as EDI, XML or proprietary file structures
- Easily identify business documents without searching the business document for identifying information
- 66 Route data through multiple applications using the information in the SBDH
- 67 Identify the automated process required for a specific business document
- 68 Save parsing time and effort
 - Maintain the association of the document and its originator for business and legal reasons
- Eliminate the different proprietary approaches that have been developed to route and process data

72 **1.2.** Audience

- This document is intended to serve as an implementation guide for business and technical people who
 will implement eCom XML standards using SBDH. Pre-requisite
- 75[SBDH] contains information about the usage of all elements of SBDH. This guide only covers those76parts of the UN/CEFACT [SBDH] that are relevant to its implementation in the GS1 world.
- As a pre-requisite it is expected that the user has read and understood [SBDH].

78 **1.3. Process**

The [SBDH]standard provides a document header which identifies key data about a specific business document. Since [SBDH] standardizes the data presentation, the data elements within the SBDH can be easily located and leveraged by multiple applications. Software vendors can develop functionality in their applications that rely on the existence and location of the essential data used to manage the



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routing of business documents and also systematically determine the documents processing
 requirements.

The SBDH is a business document header and should not be confused with a transport header. The SBDH is created before the transport routing header is applied to the document and is retained after the transport header is removed. Although the SBDH is not the transport header, data in the SBDH can be used by transport applications to determine the routing header since it does contain the sender, receiver and document details. It can also be used by the business applications to determine the appropriate process to perform on the business document.

91 [SBDH] has built in flexibility by the use of both mandatory data elements and additional optional 92 elements. The mandatory elements are essential in identifying any business document for routing or 93 processing, such as the Sender, Receiver, Document Type, Standard and Version, and Date/Time of 94 the documents creation. Optional elements provide additional functionality that can be used if 95 required. This additional functionality can be used to:

- 96 Send EDI, XML or other file types as attachments
- 97 Secure business documents with encryption while leaving the SBDH unencrypted and 98 available to perform its routing functions
- 99 Describe attachments in a Manifest
- 100 Sent the business document within the SBDH or sent it as a separate MIME part
- 101 Distribute a document to a specific receiver or to multiple receivers

102 **1.4. Document Conventions**

- 103The keywords MUST, MUST NOT, REQUIRED, SHALL, SHALL NOT, SHOULD, SHOULD NOT,104RECOMMENDED, MAY and OPTIONAL, when they appear in this document, are to be interpreted as105described in [RFC2119] as quoted here:
 - MUST: This word, or the terms "REQUIRED" or "SHALL", means that the definition is an absolute requirement of the specification.
 - MUST NOT: This phrase, or the phrase "SHALL NOT", means that the definition is an absolute prohibition of the specification.
 - SHOULD: This word, or the adjective "RECOMMENDED", means that there may exist valid reasons in particular circumstances to ignore a particular item, but the full implications must be understood and carefully weighed before choosing a different course.
 - SHOULD NOT: This phrase, or the phrase "NOT RECOMMENDED", means that there may be valid reasons in particular circumstances when the particular behaviour is acceptable or even useful, but the full implications should be understood and the case carefully weighed before implementing any behaviour described with this label.
- 117 MAY: This word, or the adjective "OPTIONAL", means that an item is truly optional. One 118 vendor may choose to include the item because a particular marketplace requires it or 119 because the vendor feels that it enhances the product while another vendor may omit the 120 same item. An implementation which does not include a particular option MUST be prepared 121 to interoperate with another implementation which does include the option, though perhaps 122 with reduced functionality. In the same vein an implementation which does include a particular 123 option MUST be prepared to interoperate with another implementation which does not include 124 the option (except, of course, for the feature the option provides.)
- 125 When used in this way, these terms will always be shown in ALL CAPS; when these words appear 126 in ordinary typeface they are intended to have their ordinary English meaning.



127 **2. Overview**

Information in the SBDH can be categorized into the following 4 categories

- 129 Document Routing
- 130 Document Identification
- 131 Document Processing Context

132Document Routing information is captured in the 'Sender' and 'Receiver' data structures of SBDH. It133is used to identify the message sender and message receiver using unique identifiers for the trading134partners and optionally with additional contact information details.

135Document Identification information is captured in the 'DocumentIdentification' data structure of136SBDH. It is used to identify the actual business document payload content enclosed inside SBDH.137This information will be used by the middleware to identify and route the message to the appropriate138business application without having to open or parse the business document payload.

139Document Processing Context is captured in the 'BusinessScope' data structure of SBDH. It is used140to provide parameters for processing the business document in the context of a business141choreography exchange.

1423.General Guidelines

143The following section provides general guidelines on the usage of the [SBDH] data elements with GS1144XML standards and the XML standards of its sub-entities and affiliates. These guidelines are not145supposed to be an exhaustive description of [SBDH] elements. For full details of the element see the146[SBDH] for details.

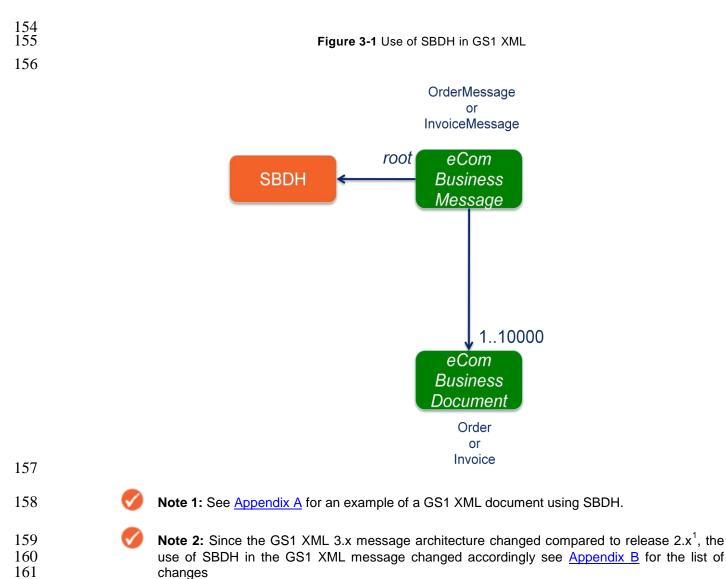
147 **3.1. GS1 XML Message Construction using SBDH**

148 SBDH is an integral part of the XML instance. In the GS1 XML the 149 'StandardBusinessDocumentHeader' element MUST be included inside the root element of the 150 message together with the GS1 eCom Business Document.



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152	Figure 3-1 demonstrates the concept.





¹ For comparison of the GS1 message architecture 3.x and 2.x please refer to the "GS1 XML MR3 eCom Technical User Guide"



162 **3.2. SBDH Tags**

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XSD Element / Attribute	XSD Type	Occ	GS1 Usage Guidelines
StandardBusinessDocumentHeader	StandardBusinessDocu ment Header	11	The UN/CEFACT standard, containing information about the routing and processing of the business document. It also identifies the message set that is sent together with on SBDH and the version number of the document(s) contained. [R1] Header information MUST be provided using the 'StandardBusinessDocumentHeader' element even though the use of this element is optional.
HeaderVersion	string	11	Version number of the SBDH standard used [R2] The value of the 'HeaderVersion' element MUST be set to '1.0'. This is the version number of the standard.
Sender	Partner	1*	Sender of the message, party representing the organization which created the standard business document. [R3] The 'Sender' tag MUST be used exactly only once with GS1 XML messages, even though it can occur multiple times. If there is a requirement to use the 'Sender' block more than once with GS1 XML standards, such a requirement should be addressed through the use of the GSMP Change Request system.
Identifier	PartnerIdentification	11	A unique identification key for the Sender party [R4] The value of the 'Identifier' element of 'PartnerIdentification' type MUST be a GLN. The use of GLN as the identifier is mandatory with GS1 standards. Example: 8764321000003
Authority	string	01	Authority agency of the identification key [R5] The 'Authority' attribute, although optional, MUST be used and its value MUST be set to GS1 '.
ContactInformation	ContactInformation	0*	Name of the contact person or department for the sending Party [R6] The element 'ContactInformation', although optional, SHOULD be used, if possible.
Contact	string	01	Name of contact person or department [R7] The element 'Contact', although optional, SHOULD be used, if possible. Example: Delysha Burnet

The table below contains rules that are applicable for all GS1 XML standards messaged using SBDH.



XSD Element / Attribute	XSD Type	Occ	GS1 Usage Guidelines
EmailAddress	string	01	[R8] The element 'EmailAddress, although optional, SHOULD be used, if possible.
			Example: Delysha.Burnet@CompanyXYZ987.com
FaxNumber	string	01	[R9] A number format agreed upon between the 'Sender' and 'Receiver' SHOULD be used. Number format expressed using [RFC3966] 'The tel URI for Telephone Numbers' MAY be used. See section 5.1 'International telephone number format' for recommended options on formatting telephone/fax numbers. Example: tel:+31.235.3311.87
TelephoneNumber	string	01	[R9] A number format agreed upon between the 'Sender' and 'Receiver' SHOULD be used. Number format expressed using [RFC3966] 'The tel URI for Telephone Numbers' MAY be used. See section 5.1 'International telephone number format' for recommended options on formatting telephone/fax numbers. Example: tel:+31.235.3311.69
ContactTypeldentifier	string	01	Role of the identifier.
			Example: EDI co-ordinator
Receiver	Partner	1*	Receiver of the message, party representing the organization which receives the standard business document. [R10] The 'Receiver' tag MUST be used exactly only once with GS1 XML messages, even though it can occur multiple times
Identifier	PartnerIdentification	11	A unique identification key for the receiving party [R4] The value of the 'Identifier' element of 'PartnerIdentification' type MUST be a GLN. The use of GLN as the identifier is mandatory with GS1 standards. Example: 8712345000004
Authority	string	01	Authority agency of the identification key [R5] The 'Authority' attribute, although optional, MUST be used and its value <i>must</i> be set to 'GS1'
ContactInformation	ContactInformation	0*	Name of the contact person or department for the Sender Party [R6] The element 'ContactInformation', although optional, SHOULD be used, if possible.
Contact	string	01	Name of contact person or department [R7] The element 'Contact', although optional, SHOULD be used, if possible. Example: John Brown
EmailAddress	string	01	[R8] The element 'EmailAddress, although optional, SHOULD be used, if possible. Example: john.brown@thecompany.com



XSD Element / Attribute	XSD Type	Occ	GS1 Usage Guidelines
FaxNumber	string	01	[R9] A number format agreed upon between the 'Sender' and 'Receiver' SHOULD be used. Number format expressed using [RFC3966] 'The tel URI for Telephone Numbers' MAY be used. See section 'International telephone number format' for recommended options on formatting telephone/fax numbers. Example: fax:+ +3227887800
TelephoneNumber	string	01	[R9] A number format agreed upon between the 'Sender' and 'Receiver' SHOULD be used. Number format expressed using [RFC3966] 'The tel URI for Telephone Numbers' MAY be used. See section 'International telephone number format' for recommended options on formatting telephone/fax numbers. Example: tel: +3227887846
ContactTypeldentifier	string	01	Role of the identifier
			Example: EDI Helpdesk
DocumentIdentification	DocumentIdentification	11	Identification information for the document
Standard	String	11	The name of the document standard contained in the payload [R11] The value of the element 'Standard' MUST be set to the value 'GS1'
TypeVersion	String	11	Version information of the document included in the payload of SBDH. This is the 'complete' version of the document itself and is different than the 'HeaderVersion'. [R12] The value of the element 'TypeVersion' MUST be set the version number of the root schema of the XML business document contained in the payload of the message. Every GS1 standard schema has version information in the 'xsd:version' attribute of the 'xsd:schema' tag of the schema and also in the schema annotation tag. The SBDH specification requires that all documents sent with one header have the same version number. To comply with this requirement; [R13] Only business documents belonging to the same BMS publication release and having the same version number MUST be included in the payload if sending more than one document type.
Instanceldentifier	String	11	Example: 3.0 Description which contains reference information which uniquely identifies this instance of the Standard Business Document (SBD) between the 'Sender' and the 'Receiver'. This identifier identifies this document as being distinct from others. Example: MSG-1645000099



XSD Element / Attribute	XSD Type	Occ	GS1 Usage Guidelines
Туре	String	11	This element identifies the type of the document [R14] The value of the 'Type' element of 'DocumentIdentification' element MUST be set to the name of the XML element that defines the root of the business document. This is the name of the global XML element declared in the root schema for the business document in consideration. Example; order, invoice, debitCreditAdvice,
MultiType	boolean	01	Flag to indicate that there is more than one type of business document in the payload of the SBDH [R15] The value of the 'MultiType' element of 'DocumentIdentification' element MUST be set 'false' as the GS1 XML design allows only one type of business documents to be sent within one message.
CreationDateAndTime	String	11	Date and time of the SBDH document creation. [R16] The value of the 'CreationDateAndTime' element MUST be set to the date and time when the 'document originating application' or the parser created the document. This value will typically be populated by the trading partner and will typically differ from the time stamping of the message by the communications software. Example: 2006-03-23T01:00:78.000+02:00
Manifest	Manifest	01	
NumberOfItems	integer	11	
ManifestItem	ManifestItem	1*	
MimeTypeQualifierCode	MimeTypeQualifier (string)	11	
UniformResourceIdentifier	anyURI	11	
Description	string	01	
LanguageCode	Language (string)	01	
BusinessScope	BusinessScope	01	Description of the complete business environment in which the SBDH and Business document will be processed. The business scope provides a basis to determine which rules are applicable to the transaction involving the enclosed business documents.



XSD Element / At	tribute	XSD Type		Occ	GS1 Usage Guidelines			
Scope		Scope		0*	[R17] The 'Scope' element MAY be used to provide information processing rules that are applicable to this instance of the bus For each individual set of processing rules a different 'Scope' of used.	iness document.		
Type	Type str				[R18] The value of 'Type' element MUST be set to one of the BusinessDocumentProcessingTypeCode code list:	he value of 'Type' element MUST be set to one of the entries from the sDocumentProcessingTypeCode code list:		
	GS1 Code List		BusinessDoo	cument	ProcessingTypeCode			
	GS1 Code List Version		R1					
	Managing Agency		GS1					
	Based on Code List		n/a n/a					
	Type Of Management							
	Code Value	Code Nam	e	Code	Definition			
	MESSAGE_STATUS	Message s	tatus		fies whether the message is a test and should not be passed siness application.			
	SCHEMA_GUIDE	Schema G	uide	the s	ates that the business document should be validated against chema guide that is a subset of the 'generic' GS1 schema, ted to specific geography or user group.			



XSD Element / Attribute	XSD Type	Occ	GS1 Usage Guidelines
Instanceldentifier	string	11	The value of 'InstanceIdentifier' element depends on the value used in the 'Type' element:
			[R19] If 'Type' element contains value MESSAGE_STATUS, the 'InstanceIdentifier' MUST contain value "Test"
			[R20] If 'Type' element contains value SCHEMA_GUIDE, the value of 'InstanceIdentifier' MUST be set to the name and version of the guideline / set of processing rules that are applicable to this particular instance of the business document. The format of the name and version of the guideline / set of processing rules must be previously agreed upon between the sender and recipient of the message.
			Examples:
			 Dutch Fruit & Vegetable Industry Reference Model 1.1
			Brazilian Footwear Industry Guidelines
			 UIM Implementation Guide Despatch Receipt Consumption 3.0
Identifier	string	01	[R21] The 'Identifier' element MAY be used to provide a unique value for the guideline / set of processing rules referenced in the 'Type' element. Some examples of identifiers that may be provided are – URL, Globally Unique ID (GUID), Contract / Agreement number, Document Reference Number etc
ScopeInformation	Scope	0*	This is an abstract element with a substitution group. The element will be substituted by any one of the other elements that have the same substitution group. From the perspective of this implementation guide, these are the elements shown below
BusinessService	BusinessService		This element substitutes the element 'ScopeInformation' when used
BusinessServiceName	string	01	
ServiceTransaction	string	01	
TypeOfServiceTransaction	string	01	
IsNonRepudiationRequired	string	01	
IsAuthenticationRequired	string	01	
IsNonRepudiationOfReceiptRequired	string	01	
IsIntegrityCheckRequired	string	01	
IsApplicationErrorResponseRequested	string	01	
TimeToAcknowledgeReceipt	string	01	



XSD Element / Attribute	XSD Type	Occ	GS1 Usage Guidelines
TimeToAcknowledgeAcceptance	string	01	
TimeToPerform	string	01	
Recurrence	string	01	
CorrelationInformation	string	01	Co-relates requesting document information with the responding document information
			This element substitutes the element 'ScopeInformation' when used
RequestingDocumentCreationDateTime	dateTime	01	
RequestingDocumentInstanceIdentifier	string	01	
ExpectedResponseDateTime	dateTime	01	



4. Additional Information

166 **4.1.** International telephone number format

167 The [SBDH] elements 'FaxNumber' and 'TelephoneNumber', currently should be formatted in a way 168 that is commonly agreed upon or understood between the 'Sender' and 'Receiver' party. It is a 169 common practice to format the number using a local format. To further improve the interoperability and 170 clarity of contact information data an international standard format for telephone number should be 171 used. The International Telecommunications Union (ITU) and the Internet Engineering Task Force 172 (IETF) 'de jure' standards bodies have a standard/recommendation on the format to be used for 173 telephone numbers. Although, this implementation guide refrains from standardizing any rules for 174 telephone number format, optionally it is recommended that the URI format for telephone numbers as 175 specified in [RFC3966] should be used. [RFC3966] is based upon [ITU-T E.123] which is used as the 176 starting point for standardization of telephone number formats. A URI notation adds more specificity 177 and clarity and is more recognizable by software as it standardizes the telephone number string in a 178 machine and human readable format.

179 Examples:

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- tel:+1-201-555-0123: This URI points to a phone number in the United States. The hyphens are included to make the number more human readable; they separate country, area code and subscriber number.
 - tel:7042;phone-context=example.com: The URI describes a local phone number valid within the context "example.com".
 - tel:863-1234;phone-context=+1-914-555: The URI describes a local phone number that is valid within a particular phone prefix.

187 **4.2.** Serialization

- Serialization actually is the requirement for sequencing/choreography of messages in a particular
 business process to determine processing order of messages. There's a need for serialization of GS1
 XML messages in the upstream business processes being implemented by GUSI trading partners.
 The question asked is if [SBDH] provides any support for serialization of messages.
- 192 SBDH is a simple header and does not provide a mechanism for identifying sequencing information at 193 the header level. An example of serialization is, a newer order in the sequence replaces the older in 194 the message choreography between 2 trading partners. Sequencing requires business intelligence at 195 payload level / backend application system and is a characteristic of the business process rather than 196 transaction management at the middleware. In short Serialization is dependent on the business 197 process and should be handled in the business document rather than the header/envelope. If 198 requirement for serialization is to handle changes to documents exchanged earlier, it may be more 199 appropriate to handle such changes using the document status attributes.
- 200Not all business processes need sequencing; e.g.; CPFR (Collaborative Planning Forecast and
Replenishment). Forecast messages may be received out of order without any kind of sequencing.202Additionally, depending on the transport protocol and middleware used, it is difficult to ensure FIFO
(First In First Out) sequencing of messages received.
- 204[SBDH] provides a 'Correlation' block, the data attributes of which can be used in certain scenarios to205mimic a sequencing kind of behaviour. Although, it does not really do sequencing, it can be used in a206request / response messaging scenario to relate a logical sequencing with other messaging criteria207like 'Time to Acknowledgement', 'Security', 'Non Repudiation', etc...



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208 Sequencing of messages in a business process is driven by business requirements. As such any 209 requirements for sequencing should be handled at the business document level. Only if there is a real 210 business need to have sequencing at the envelope level, then the requirement needs to be explored 211 further.

4.3. **Multiple Trading Partner Identification** 212

213 [SBDH] allows for the possibility of identifying multiple trading partners/ or applications via the use of 214 the 'Sender/Receiver (1..*)', (Identifier, Authority) element. Currently, the use of multiple trading 215 partner identification schemes has been prohibited when [SBDH] is used with GS1 XML standards. 216 There are 2 main reasons for this:

- GS1 has been mandated that GLN is the key to be used for party identification within all GS1 XML standards
- 219 Currently no GS1 business requirements have been expressed that require the use of multiple 220 Sender/Receiver parties or multiple identification schemes
- 221 If there is an expressed business need to support multiple trading partner identification within SBDH, 222 then the business requirements need to be submitted to GS1 via the GSMP WR (Work Request) 223 System.

4.4. Message Grouping 224

225 Current design of GS1 XML for eCom does not allow for inclusion more than one business document type in the GS1 message, thus MultipleType should always be set to 'false'. 226

4.5. **Transport Protocol Options** 227

- 228 In certain business processes / messages business drivers may require the use of a specific transport 229 protocol like HTTPS or email. SBDH is agnostic / independent of the message transport protocol used.
- 230 With GS1 XML, any transport protocol may be used for messaging and this decision should be based 231 on the business drivers within the business process, like trading partner agreements, business rules, 232 security, non-repudiation, etc... If there is a need within any particular GS1 user community to 233 officially' support a particular transport protocol, then it should be expressed to GS1 with the use of its 234 WR System.

5. References 235

- 236 1. [RFC2119] Key words for use in RFCs to Indicate Requirement Levels
- 237 In many standards track documents several words are used to signify the requirements in the 238 specification. These words are often capitalized. This document defines these words as they 239 should be interpreted in IETF documents.
- 240 http://www.ietf.org/rfc/rfc2119.txt
- 241

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- 242 [SBDH] Standard Business Document Header specification 243
- http://www.gs1.org/services/gsmp/kc/ecom/xml/xml sbdh.html
- 245 2. [ITU-T E.123] Notation for national and international telephone numbers, e-mail addresses and 246 Web addresses

247 248 249 250 251		This Recommendation applies specifically to the printing of national and international telephone numbers, electronic mail addresses and Web addresses on letterheads, business cards, bills, etc. Regard has been given to the printing of existing telephone directories. The standard notation for printing telephone numbers, E-mail addresses and Web addresses helps to reduce difficulties and errors, since this address information must be entered exactly to be effective.
252		http://www.itu.int/rec/T-REC-E.123-200102-I/en
253		
254	3.	[RFC3966] The tel URI for Telephone Numbers
255 256		This document specifies the URI (Uniform Resource Identifier) scheme "tel". The "tel" URI describes resources identified by telephone numbers.

- 257 <u>http://www.rfc-editor.org/rfc/rfc3966.txt</u>
- 258



Appendix A Example: GS1 XML eCom Document with SBDH

261	xml version="1.0" encoding="UTF-8"?
262	<order:ordermessage <="" th="" xmlns:order="urn:gs1:ecom:order:xsd:3"></order:ordermessage>
263	xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader"
264	xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:gs1:ecom:order:xsd:3
265	./Schemas/gs1/ecom/Order.xsd">
266	<sh:standardbusinessdocumentheader></sh:standardbusinessdocumentheader>
267	<sh:headerversion>1.0</sh:headerversion>
268	<sh:sender></sh:sender>
269	<sh:identifier authority="GS1">8764321000003</sh:identifier>
209	<sh:contactinformation></sh:contactinformation>
	<sh:contact=john doe<="" sh:contact=""></sh:contact=john>
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212	<sh:emailaddress>John_Doe@purchasing.XYZretailer.com</sh:emailaddress>
273	<sh:faxnumber>+1-212-555-1213</sh:faxnumber>
274	<sh:telephonenumber>+1-212-555-2122</sh:telephonenumber>
275	<sh:contacttypeidentifier>EDI co-ordinator</sh:contacttypeidentifier>
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277	
278	<sh:receiver></sh:receiver>
279	<sh:identifier authority="GS1">8712345000004</sh:identifier>
280	<sh:contactinformation></sh:contactinformation>
281	<sh:contact>Mary Smith</sh:contact>
282	<sh:emailaddress>Mary_Smith@widgets.com</sh:emailaddress>
283	<sh:faxnumber>+1-312-555-1214</sh:faxnumber>
284	<sh:telephonenumber>+1-312-555-2125</sh:telephonenumber>
285	<sh:contacttypeidentifier>EDI Helpdesk</sh:contacttypeidentifier>
286	
287	
288	<sh:documentidentification></sh:documentidentification>
289	<sh:standard>GS1</sh:standard>
290	<sh:typeversion>3.0</sh:typeversion>
291	<sh:instanceidentifier>100002</sh:instanceidentifier>
292	<sh:type>Order</sh:type>
293	<sh:multipletype>false</sh:multipletype>
294	<sh:creationdateandtime>2006-01-10T12:00:01.000-05:00</sh:creationdateandtime>
295	
296	<sh:businessscope></sh:businessscope>
297	<sh:scope></sh:scope>
298	<sh:type>MESSAGE_STATUS</sh:type>
299	<sh:instanceidentifier>Test</sh:instanceidentifier>
300	
301	<sh:scope></sh:scope>
302	<sh:type>SCHEMA_GUIDE</sh:type>
303	<sh:instanceidentifier> Dutch Fruit and Vegetable Industry Reference Model v.</sh:instanceidentifier>
304	1.1
305	<sh:identifier>urn:FrugICom:AGF:1.1</sh:identifier>
306	
307	
308	
309	<order></order>
310	<pre><creationdatetime>2011-03-11T11:00:00.000-05:00</creationdatetime></pre>
311	<pre><documentstatuscode>ORIGINAL</documentstatuscode></pre>
312	<orderidentification></orderidentification>
514	



313 314 315 316	<pre><entityidentification>PO3352</entityidentification> 220 true</pre>
317	<additionalorderinstruction languagecode="en">Pack all items individually </additionalorderinstruction>
318	<totalmonetaryamountexcludingtaxes< td=""></totalmonetaryamountexcludingtaxes<>
319	currencyCode="EUR">12675
320	<totaltaxamount currencycode="EUR">2661.75</totaltaxamount>
321	
322	<pre><gln>5412345000013</gln></pre>
323	
324	<seller></seller>
325	<gln>4098765000010</gln>
326	
327	<orderlogisticalinformation></orderlogisticalinformation>
328	<shipfrom></shipfrom>
329	< <u>gln>4098765000010</u>
330	
331	<shipto></shipto>
332	< <u>gln>5412345000037</u>
333	
334	
335	<pre><paymentterms></paymentterms></pre>
336	<paymenttermseventcode>AFTER_DATE_OF_DELIVERY</paymenttermseventcode>
337	<paymenttermstypecode>1</paymenttermstypecode>
338	<proximocutoffday>31</proximocutoffday>
339	
340	<orderlineitem></orderlineitem>
341	<pre>lineItemNumber>1</pre>
342	<requestedquantity measurementunitcode="EA">48</requestedquantity>
343	<additionalorderlineinstruction languagecode="en">FRAGILE</additionalorderlineinstruction>
344	<netamount currencycode="EUR">8016</netamount>
345	<netprice currencycode="EUR">167</netprice>
346	<transactionaltradeitem></transactionaltradeitem>
347	<pre><gtin>04098765000027</gtin></pre>
348	
349	
350	
351 352	



Appendix B Main differences between the use of SBDH in GS1 XML 2.0 and GS1 eCom XML 3.0

355 356 The GS1 eCom XML message architecture 3.x is different than 2.x. This change required different way of implementing the SBDH. The table below lists the main differences.

Functionality	MR3	MR2
Scope	eCom only	eCom, GDSN and EPC
SBDH	Mandatory	Optional
Standard Business Document tag	Not used	Used as a start tag of the GS1 message
Business document nesting	Nested in the message tag, as a sibling of SBDH	Wrapped in SBDH, nested as a payload
'Authority' tag content	Fixed: 'GS1'	Fixed: 'EAN.UCC'
'Standard' tag content	Fixed: 'GS1'	Fixed: 'EAN.UCC'
'MultiType' tag content	Fixed: 'false' (multiple document type not allowed)	'true' if different types of business documents are sent 'false' if one type of business document is sent

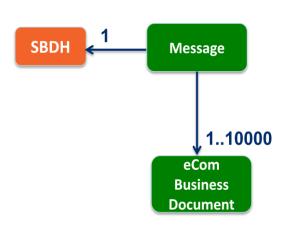
357 358 359

The message architecture in:

Release 2.x

tandardBusinessDo	cu
StandardBusiness	DocumentH
eader	
message	
transaction	
command	
	GS1 XML
	payload
document 1	
document 2	
transaction	





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