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**Loan Products Booking and Consumption  
Implementation Guide**

Version 1.1

11 February 2013

Final Release

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## Revision history

Version	Date	Author	Comments
1.0	26 November 2012	GS1 Australia	Preparation of draft from original DH, Victoria documentation
1.1	11 February 2013	GS1 Australia	Preparation for circulation. Minor syntactical modifications and context additions.

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# 1 Introduction

## 1.1 Background

This document, whose foundation is based on the requirements of the Department of Health (Victoria) though with contributions from the workshop held on 26 September, is designed to establish the foundation for use of eMessaging in the Loan Products supply chain between hospitals and suppliers.

The purpose of this document is to communicate to the working group the key eCommerce Message Implementation Guides (MIGs) proposed to support this supply chain and help establish a base set of business rules for each message that can be used as a base. It is not the intention of this initiative to explore business rules beyond this scope, and any relationship specific rules should be addressed in individual trading partner agreements.

While RFID has been indicated as the preferred method for identification of kits and devices in the future, all messages contained in this document have been designed to support non-RFID numbering and marking schemas as well as the use of non GTIN based identifiers.

## 1.2 Messaging Focus

The messages and information included in this document are based on work performed by Victorian Department of Health and the feedback from the working groups, specifically from the workshop held on 26 September 2012. The eMessages specifically included in this document are

- Booking Request
- Booking Request Acknowledgement
- Consumption Report
- Return Despatch Advice (or Return Advanced Shipping Notice)

The Booking Request and Acknowledgement are based on GS1-XML Version 3; all other messages are based on GS1-XML version 2.5 & 2.6 using Version 1.5 of the NEHTA Specifications.

The Consumption Report message has been developed to support the reporting of non-prosthetic consumption (day-to-day consumables etc.) as indicated as a requirement at the September workshop.

Please note that while this document focuses primarily on the use of eMessaging to support the prosthetic Booking Request and Consumption reporting processes, the attributes under consideration for the application of RFID is also included in this document and is very much open to comment.

### 1.2.1 Exclusions and Future Strategy

Messages specifically excluded from this document include the

- Purchase Order / Purchase Order Change &
- Purchase Order Response
- Despatch Advice
- Invoice

On current analysis the revised 'Harmonised' NEHTA message set, now at Version 1.6, has been identified as being capable of supporting the requirements of this initiative. A requirement for a Reverse Purchase Order has been discussed by a number of parties; however it has been decided to complete this initial process while also seeking feedback from the group as to the need of this message. Should a positive requirement be identified, further work on this message will be assessed.

A number of messages forming this initiative have corresponding specifications that are included in the core NEHTA V1.6 MIG set, namely the Despatch Advice and Invoice. The specifications for these messages have been developed so as to allow compatibility of common data elements between the two specifications, and the intention is to incorporate any new data elements required to support this initiative into the core NEHTA MIG set so as to avoid the duplication of message specifications.

## 1.3 Foundation for the development of these guides

The following Sections (1.4, 1.5 & 1.6) cover the key drivers behind the original initiative as developed by the Department of Health (DOH) – Victoria. Please note that these are the *original* requirements developed by the DOH; the MIGs and associated business rules that follow include the feedback provided from the September 2012 workshop.

Please also note that the use of RFID is a core focus in much of the following narrative; however it is understood that other methods of identification may initially be used to facilitate early adoption. ***Warning: The RFID tags may contain identifying information. Those entities collecting, using or disclosing the identifying information need to consider doing so in light of existing privacy laws.***

The non-use of RFID is not considered to be an inhibitor in the implementation of this initiative.

### 1.3.1 Department of Health (Victoria) Overview

The Department of Health is committed to achieving the best health and wellbeing for all Victorians.

The Loan kits provided to Victorian hospitals are largely based on individual agreements between Health services and suppliers, and each trade in a different manner and with varying rules. This creates inefficiencies in setting up agreements and controlling the medical goods. We have identified missed opportunities in rebate collections, stock mix up issues etc. With the roll out of the NPC we see an opportunity now to standardise the process.

To enable better trading with our supply partners we initially piloted a project for orthopaedic implants using RFID technology successfully. It is now logical to expand the successful concept to all Loan kits. NEHTA has informed us that there are up to 168 prostheses providers.

The RFID technology has been proven to work from our pilot sites in Victoria as has the software to support communications. The pilot process involves a number of electronic messages the exact formats of which vary for each supplier. Electronic messages have expensive set up costs and other surgical prostheses providers are waiting for an agreed messaging standards prior to engagement of this new technology.

The development of standard messaging protocols will reduce the cost barriers for new Loan Kit providers to adopt this technology. The Department has engaged with NEHTA and GS1 who are both receptive in developing a national standard for RFID tags and electronic message protocols. NEHTA has agreed to develop a standard electronic messaging guideline (MIG).

While the RFID technology is an efficient and cost effective system for high cost items, we recognise that not all items provided in loan kits fit this equation. Therefore the partner enablement guide also encompasses items that are marked with bar codes in addition to those marked with RFID.

## 1.4 DH eBusiness overview

An electronically interconnected health environment provides an opportunity for the public health sector to make significant efficiency gains in the provision of accurate, timely healthcare services, and cost savings, particularly in the area of procurement. To this end, The DH will drive efficient partner integration through our eProcurement Program utilising the electronic messages from NEHTA's message suite.

For our eProcurement program we are using the National Product Catalogue (NPC) to provide a central repository of data and pricing for the selection and purchase of healthcare products to The Department of Health.

The NPC uniquely identifies each healthcare product (for example medicines and medical devices) at each level of packaging and records information that contributes significantly to reducing the number of products incorrectly ordered because of identification errors, which potentially delay patient treatment.

We have prioritised our eBusiness development activities to the requirements of our business today and will focus on implementation of the electronic data interchange messages that currently cater for these needs. These messages are endorsed by NEHTA (National eHealth Transition Authority) and are a subset of Australian Standard 5023, Health Supply Chain Messaging. This document deals with Consumption Report, Despatch Advice and Invoice messages. More documents will be part of our eBusiness development and will be advised to suppliers as they become available.

These EDI Message Implementation Guidelines should be read in conjunction with the NEHTA and GS1 standards manuals. Before implementation, please check the GS1 site for the latest version of the GS1 XML standards and the NEHTA site for the Supply Chain "eProcurement" subset of messages used in this document.

## 1.5 Loan business overview

All DH's Loan eProcurement Program messages fit in one of four stages:

**Plan** – Since accurate product and pricing information are needed, population of National Product Catalogue (NPC) is required before electronic procurement can commence. Booking Request messages represent a request for goods, and Suppliers will provide a Booking Request Acknowledgement to confirm receipt of the Booking Request.

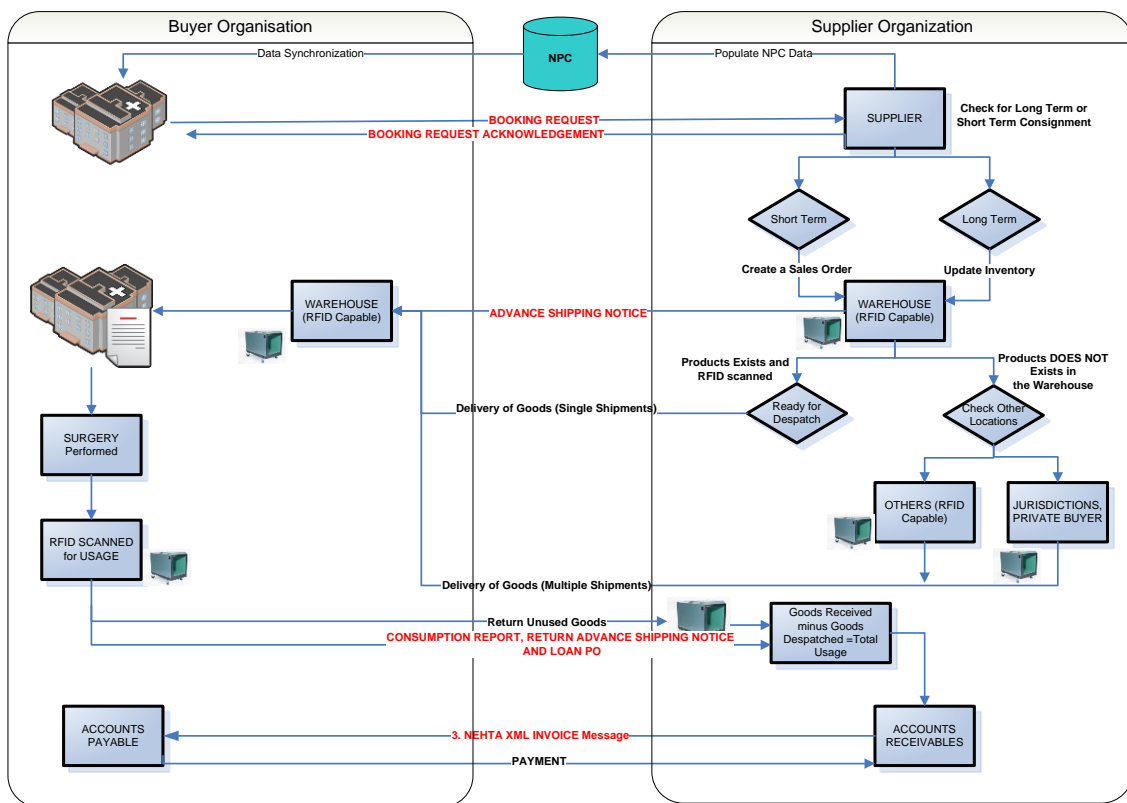
**Purchase** – Consumption Report message represents the items used in operation theatre and are billable by the Supplier. A unique Purchase Order for Loan items will be sent to the Supplier.

**Receive** - Suppliers are required to send a Despatch Advice message confirming the Logistics details of the requested order. Purchasers are also required to issue a Return Despatch Advice message to assist Suppliers in the logistics of returning goods.

**Pay** – The Invoice message set is required to fulfil the reconciliation and remittance obligations of the Purchaser and Supplier following purchase transactions.

This document focuses all messages that are unique to the loan kits as shown in the diagram below. Any messages not shown are assumed normal NEHTA format.

More documents will be part of other release phases in NEHTA’s eProcurement Program development and advised to Suppliers as they become available.



Note: Barcode scanners also acceptable

**Figure 1: DH Loan Kit B2B eProcurement Overview**



## 2 Notations and Conventions

### 2.1 Business data model tables and document structure

The following describes the different columns in the business data model tables.

**Table 1: A list of descriptions for the format of data elements**

Format	Description
AN,n	Alpha-Numeric characters where n is the maximum characters allowed, by default any trailing spaces are stripped prior to transmission. Where n is not provided the length of the value is theoretically unrestricted by the standard.
Nx,y	Numeric characters where x is the whole digit maximum and y is the decimal maximum.
D	Date format YYYY-MM-DD
DT	Date/Time format e.g. "2009-08-21T14:15:16.000+08:00"
LIST	List of values available for selection.

Table 1 defines the format of data elements for the fields used in the eProcurement messages.

**Table 2: A list of descriptions for status of data elements**

Status	Description
M	Mandatory: Base Status/Attribute is mandatory so status shall also be mandatory.
R	Required: Base Status/Attribute is Conditional, but for this MIG it shall always be sent.
C	Conditional: Shall or may be sent where stated conditions apply.
O	Optional: May be sent, by agreement between parties.
X	Not used: Never sent.
F	Is mandatory and the value is 'fixed' (ie. Does not change.)

Table 2 defines the data attribute requirements for the fields used in the eProcurement messages.

**Table 3: A table demonstrating 'local' non-compliant use of the standards.**

Element and XPATH goodsRequirements→.....	Description of compliant use of the standard.	AN,80	C
Element and XPATH goodsRequirements→.....	Description of non-compliant 'local' use of the standard.	AN,80	C

Table 3 identifies elements where their use is non-standards compliant, though is necessary to support the requirements of process.

Please note that other colours are used to highlight elements of significance, and where required comments will be added to provide context or pose specific functionality or usage questions for the group.

## 3 Booking Request (BR) Message

### 3.1 Business rules (basic)

The business rules identified below are proposed as the 'basic' baseline rules for the use of the Booking Request; feedback and input is welcomed, however please keep in mind that these are baseline rules and any business-specific rules can be implemented directly within trading partner relationships.

- A Booking Request message is created and sent for each 'Case' or 'Procedure', though the one Booking may result in multiple Loan Kits being supplied (eg. Prosthetics kit; instrument kit).
- It is possible for multiple suppliers to receive a Booking Request for the same Case or Procedure where multiple Loan Kits are required.
- A new message will be sent each time a Booking has been altered that will contain the original Document Identifier and a Revision Number "<bookingNo>-<revisionNo>" (e.g. 228-1 for the 1<sup>st</sup> revision of original booking 228).
- Where a Case has a Change of Date this will be considered a Revision
- Where a Booking is to be cancelled, the original Booking Request will be sent as a revision with an Action Code of 'DELETE' (goodsRequirements→documentActionCode)
- The Booking Number should be returned in the "purchaseOrder→documentReference→uniqueCreatorIdentification" of the resultant Despatch Advice and "invoiceLineItem→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue" of the resultant Invoice.
- Booking Request number will become the key identifier throughout the process rather than the patient name, UR or IHI number, though the latter numbers may be carried.

### 3.2 Business data summary

This section summarises the business data under consideration for the Booking Request message that has been included in the MIG below. The table includes core business data only and excludes elements required by the GS1-XML standard to support the business data elements.

Please note that this only references the components included in Section 3.3.2 (Goods Requirement elements) and not the Header Elements from Section 3.3.1. Please also note that some of the identified data is Optional; this is noted in the detail section of the MIG.

<b>Business Data</b>	<b>Notes</b>
Booking Creation Date/Time	Date and time of the Booking Request
Message Function	ORIGINAL is the only value supported
Action Code	ADD, CHANGE_BY_REFRESH & DELETE are supported
Last Update Date	Date/Time
Goods Requirement Reference Number (Booking Reference Number)	
Supplier GLN	Would also be the same as Content Owner GLN
Supplier Contact Name	An individuals or department name
Supplier Contact Phone Number	
Supplier Organisation Name	
Buyer GLN	
Buyer Contact Name	An individuals or department name
Buyer Contact Phone Number	
Business Organisation Name	
Ship-to GLN	
Surgeon / Doctor Name	
Surgeon ID	This is optional. Only used if there is any Surgeon ID.
Loan Kit/Item GTIN	Can be populated with '00000000000000' where a GTIN is not available
Supplier Item Number	The suppliers identifier for the kit
Patient Name	This may contain the Patients, UR or IHI number – to be discussed.

<b>Business Data</b>	<b>Notes</b>
Patient Gender	Male or Female
Patience Class	Eg. Public, Private
Procedure	At the moment this is free-text, however investigations are in progress to determine if a recognised standard for codifying the procedure is available
Procedure Type	Eg. Knee, Hip. As for Procedure, currently investigating alternative 'standardised' terminology
Procedure Side	Left, Right, Bilateral etc. This may be affected by the results of investigations into Procedure / Procedure Type
Case Type	Primary, Revision, Removal. This may be affected by the results of investigations into Procedure / Procedure Type etc.
Products Required	Free-form text for providing additional commentary for the require products
Procedure Notes	Free-form text for any relevant notes for the booking
Representative Attendance	Indicates whether the hospital requires the attendance of a representative from the supplier during the procedure
Quantity Required	Should always be 1
Procedure Date	
Procedure Time	

### 3.3 Message Specification

#### 3.3.1 Header elements

All elements in the Header are mandatory and a number of the elements are fixed. All are to be implemented to ensure interoperability of eProcurement systems.

Element Name and XPATH	Description	Format	Status
Header Version StandardBusinessDocumentHeader→HeaderVersion	Version number of SBDH standard. This shall be '1.0'.	N,3	F
Sender StandardBusinessDocumentHeader→Sender→Identifier	Sender GLN.	AN,13	M
Authority StandardBusinessDocumentHeader→Sender→Identifier@authority	Set to 'GSI'.	AN,7	F
Sender Name StandardBusinessDocumentHeader→Sender→ContactInformation→Contact	Technical contact of sending organisation.	AN,50	M
Sender Email Address StandardBusinessDocumentHeader→Sender→ContactInformation→EmailAddress	Detail of technical contact in sending organisation able to address issues concerning message delivery.	AN,60	O
Sender Fax Number StandardBusinessDocumentHeader→Sender→ContactInformation→FaxNumber	Details of technical contact in sending organisation able to address issues concerning message delivery.	AN,25	O
Sender PhoneNumber StandardBusinessDocumentHeader→Sender→ContactInformation→TelephoneNumber	Details of technical contact in sending organisation able to address issues concerning message delivery.	AN,25	O
Receiver StandardBusinessDocumentHeader→Receiver→Identifier	Receiver GLN.	AN,13	M
Authority StandardBusinessDocumentHeader→Receiver→Identifier@authority	Set to 'GSI'.	AN,7	F
Receiver Name StandardBusinessDocumentHeader→Receiver→ContactInformation→Contact	Technical contact of receiving organisation.	AN,50	M

Element Name and XPATH	Description	Format	Status
Receiver Email Address StandardBusinessDocumentHeader→Receiver→ContactInformation→EmailAddress	Detail of technical contact in receiving organisation able to address issues concerning message delivery.	AN,60	O
Receiver Fax Number StandardBusinessDocumentHeader→Receiver→ContactInformation→FaxNumber	Details of technical contact in receiving organisation able to address issues concerning message delivery.	AN,25	O
Receiver PhoneNumber StandardBusinessDocumentHeader→Receiver→ContactInformation→TelephoneNumber	Details of technical contact in receiving organisation able to address issues concerning message delivery.	AN,25	O
Message Document Standard StandardBusinessDocumentHeader→DocumentIdentification→Standard	Set to 'GSI'.	AN,7	F
Message Document Type Version StandardBusinessDocumentHeader→DocumentIdentification→TypeVersion	Set to version number of <i>goodsRequirements</i> schema (e.g. '3.0').	AN,3	M
Message Document Identifier StandardBusinessDocumentHeader→DocumentIdentification→InstanceIdentifier	Uniquely identifies instance of goods requirements document.	AN,30	M
Message Document Type StandardBusinessDocumentHeader→DocumentIdentification→Type	Set to ' <i>goodsRequirements</i> '.	AN,18	F
Message Document Multiple Types Included StandardBusinessDocumentHeader→DocumentIdentification→MultipleType	Set to ' <i>false</i> '.	AN,5	F
MessageDocumentCreation Date StandardBusinessDocumentHeader→DocumentIdentification→CreationDateAndTime	Set to date and time of the message.	DT	M
Business Scope Type StandardBusinessDocumentHeader→BusinessScope→Scope→Type	Set to ' <i>NEHTA:E-Procurement:Loan and Consignment Stock</i> '.	AN,20	F
Business Scope Identifier StandardBusinessDocumentHeader→BusinessScope→Scope→InstanceIdentifier	Set to '1.6'.	N,3	M

### 3.3.2 Goods Requirement (Booking) elements

Element Name and XPATH	Description	Format	Status
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Element Name and XPATH	Description	Format	Status
Booking Creation Date and Time goodsRequirements→creationDateTime	Set to date and time of the creation of the booking.	DT	M
Message Function goodsRequirements→documentStatusCode	Set to 'ORIGINAL'.	AN	M
Action Code goodsRequirements→documentActionCode	Allowable values are: 'ADD' (new booking), 'CHANGE_BY_REFRESH' (revised booking) or 'DELETE' (cancelled booking).	LIST	O
Last Update Date goodsRequirements→lastUpdateDate	Last Update Date. Specified whenever the booking is changed (ie. Action Code = (CHANGE_BY_REFRESH) and set to date/time of that revision).	DT	O
Goods Requirements Reference Number goodsRequirements→ goodsRequirementsIdentification→entityIdentification	Identifier that uniquely identifies the document (set to [bookingNumber]-[revisionNo]).	AN,80	M
Content Owner goodsRequirements→ goodsRequirementsIdentification→contentOwner→GLN	The GLN of the owner of the message content.	AN,13	M
Structure Type Code goodsRequirements→structureTypeCode	Set to 'ITEM_BY_LOCATION'.	AN,80	F
Goods Requirements Type Code goodsRequirements→goodsRequirementsTypeCode	Set to 'GROSS_REQUIREMENTS'.	LIST	F
Goods Requirements Seller goodsRequirements→ seller→gln	Loan kit supplier GLN.	AN,13	M
Goods Requirements Seller Contact Name goodsRequirements→ seller→contact→personName	Name of the seller contact person.	AN,70	O
Goods Requirement Seller Contact Channel goodsRequirements→ seller→contact→communicationChannel→communicationChannelCode	Set to 'TELEPHONE'	LIST	O
Goods Requirement Seller Contact Number goodsRequirements→ seller→contact→communicationChannel →communicationValue	Seller contact phone number	AN,70	O
Good Requirements Seller Organisation goodsRequirements→ seller→organisationDetails→organisationName	Name of the organisation supplying the loan kit.	AN,200	

Element Name and XPATH	Description	Format	Status
Goods Requirements Buyer goodsRequirements → buyer → gln	Loan kit order GLN	AN,13	M
Goods Requirements Buyer Contact goodsRequirements → buyer → contact → personName	Name of the person who created the booking.	AN,70	O
Goods Requirement Buyer Contact Channel goodsRequirements → buyer → contact → communicationChannel → communicationChannelCode	Set to 'TELEPHONE'	LIST	O
Goods Requirement Buyer Contact Number goodsRequirements → buyer → contact → communicationChannel → communicationValue	Buyer contact phone number	AN,70	O
Good Requirements Buyer Organisation Name goodsRequirements → buyer → organisationDetails → organisationName	Name of the organisation that owns the booking.	AN,200	O
Ship To goodsRequirements → goodsRequirementsItemLocationInformation → shipTo → gln	Set to GLN of the delivery address of the Loan Kit.	AN,13	M
Doctor/Surgeon Name for Loan Kit goodsRequirements → goodsRequirementsItemLocationInformation → shipTo → contact → personName	Name of Doctor/Surgeon associated with the booking.	AN,70	O
Surgeon ID goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification	HPI-I Number only.	N,16	O
Surgeon ID Type Code goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to 'SURGEON'.  This is a locally implemented NEHTA specific Code.	AN,35	O
Trade Item Identification goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → gtin	GTIN of the loan kit (set to '00000000000000' as we have no assigned GTIN's).	AN,14	F
Supplier Assigned Item Identifier goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification	This is an identifier provided by the supplier for the Kit where a GTIN is not available.	AN,80	C
Item Identifier goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to 'SUPPLIER_ASSIGNED' where a GTIN is not available.	AN,35	C



Element Name and XPATH	Description	Format	Status
Patient Reference goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification	Patient surname, UR or IHI Number.	AN,80	M
Patient Reference Type Code goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to ' <i>PATIENT</i> '.  This is a locally implemented NEHTA specific Code.	AN,35	M
Patient Gender goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification	Patient gender. Set to ' <i>Male</i> ' or ' <i>Female</i> '.	AN,80	O
Patient Gender Type Code goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to ' <i>GENDER</i> '.  This is a locally implemented NEHTA specific Code.	AN,35	O
Patient Admission Class goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification	Patient admission class. Set to ' <i>Public</i> ', ' <i>Private</i> ', ' <i>Self-funded</i> ' or ' <i>Compensible</i> '.	AN,80	O
Patient Admission Class Type Code goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to ' <i>CLASS</i> '.  This is a locally implemented NEHTA specific Code.	AN,35	O
Procedure Details goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification	Coding for the procedure associated with the requested loan kit.	AN,80	M
Procedure Details Type Code goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to ' <i>PROCEDURE</i> '.  This is a locally implemented NEHTA specific Code.	AN,35	M
Procedure Type goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification	Type of operation. Set to ' <i>Knee</i> ', ' <i>Hip</i> ', ' <i>Shoulder</i> ', ' <i>Spine</i> ' or ' <i>Trauma</i> '.	AN,80	M

Element Name and XPATH	Description	Format	Status
Procedure Type Type Code goodsRequirements→ goodsRequirementsItemLocationInformation→ transactionalTradeItem →additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to 'PROCEDURE_TYPE'.  This is a locally implemented NEHTA specific Code.	AN,35	M
Procedure Side goodsRequirements→ goodsRequirementsItemLocationInformation→ transactionalTradeItem →additionalTradeItemIdentification	Specify the side of the operation. Set to 'Left', 'Right', 'Bilateral' or 'NA'..	AN,80	M
Procedure Side Type Code goodsRequirements→ goodsRequirementsItemLocationInformation→ transactionalTradeItem →additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to 'PROCEDURE_SIDE'.  This is a locally implemented NEHTA specific Code.	AN,35	M
Procedure Case Type goodsRequirements→ goodsRequirementsItemLocationInformation→ transactionalTradeItem →additionalTradeItemIdentification	More detail on the procedure. Set to 'Primary', 'Revision' or 'Removal'.	AN,80	M
Procedure Case Type Type Code goodsRequirements→ goodsRequirementsItemLocationInformation→ transactionalTradeItem →additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to 'CASE_TYPE'.  This is a locally implemented NEHTA specific Code.	AN,35	M
Products Required goodsRequirements→ goodsRequirementsItemLocationInformation→ transactionalTradeItem →additionalTradeItemIdentification	Generic description of the product range required in the Loan Kit.	AN,80	M
Products Required Type Code goodsRequirements→ goodsRequirementsItemLocationInformation→ transactionalTradeItem →additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to 'PRODUCTS'.  This is a locally implemented NEHTA specific Code.	AN,35	M
Products Required (Alternative) goodsRequirements→ goodsRequirementsItemLocationInformation→ transactionalTradeItem →tradeItemDescription	Generic description of the product range required in the loan kit.	AN,200	M
Products Required Type Code (Alternative) goodsRequirements→ goodsRequirementsItemLocationInformation→ transactionalTradeItem→tradeItemDescription→languageCode	Set to 'EN'.	LIST	M

Element Name and XPATH	Description	Format	Status
Procedure Notes goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification	Additional notes.	AN,80	O
Procedure Notes Type Code goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to 'NOTES'.  This is a locally implemented NEHTA specific Code.	AN,35	O
Rep Attendance Required goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification	Request attendance of a supplier representative for the procedure. Set to 'Required' or 'Not Required'.	AN,80	M
Rep Attendance Required Type Code goodsRequirements → goodsRequirementsItemLocationInformation → transactionalTradeItem → additionalTradeItemIdentification@additionalTradeItemIdentificationTypeCode	Set to 'ATTENDANCE'.	AN,35	M
Goods Requirements Item Number goodsRequirements → goodsRequirementsItemLocationInformation → goodsRequirementsLineItem → lineItemNumber	Set to '1'.	N,1	F
Bucket Size Code goodsRequirements → goodsRequirementsItemLocationInformation → goodsRequirementsLineItem → planBucketSizeCode	Set to 'LOANKIT'.	AN	F
Quantity Required goodsRequirements → goodsRequirementsItemLocationInformation → goodsRequirementsLineItem → requiredQuantity	Set to '1'	N,1	F
Procedure Date goodsRequirements → goodsRequirementsItemLocationInformation → goodsRequirementsLineItem → requirementsPeriod → beginDate	Set to the scheduled date of the theatre procedure.	D	M
Procedure Time goodsRequirements → goodsRequirementsItemLocationInformation → goodsRequirementsLineItem → requirementsPeriod → beginTime	Set to the time of the theatre procedure.	T	O
Booking Reference Number goodsRequirements → goodsRequirementsItemLocationInformation → goodsRequirementsLineItem → purchaseConditions → entityIdentification	Set to the unique identifier of the booking.	AN,80	M

## 4 Booking Request Acknowledgement (BRA)

### 4.1 Business rules (basic)

Booking Request Acknowledgement messages are sent from the trading partner and integrated into the hospital or departmental system.

- One Booking Request Acknowledgement is created for each Booking Request whether that is a new Request or a Revision.
- Booking Request Acknowledgements are to be treated purely as an acknowledgement of receipt of the Booking and not a confirmation of ability to fulfil the requirements of the Booking
- Cancelled bookings will also be acknowledged

A note from the September workshop was the desire to include a Promised Delivery Date in the Acknowledgement to help set an expectation of when the kit would be shipped. There is an ongoing analysis process underway however at this time the GS1-XML V3.0 standard does not support this requirement.

### 4.2 Business data summary

This section summarises the business data under consideration for the Booking Request Acknowledgement message that has been included in the MIG below. The table includes core business data only and excludes elements required by the GS1-XML standard to support the business data elements.

Please note that this only references the components included in Section 4.3.4 (Goods Requirement elements) and not the Header Elements from Section 4.3.3. Please also note that some of the identified data is Optional; this is noted in the detail section of the MIG.

Business Data	Notes
Goods Requirement Confirmation Number	The Booking Request Confirmation Number – <i>NOT</i> the original Booking Request Number
Message Function	Only ORIGINAL is supported
Action Code	ADD, CHANGE_BY_REFRESH & DELETE
Last Update Date	Only used if the Acknowledgement is a revision of a previous message where the Action Code =

Business Data	Notes
	CHANGE_BY_REFRESH
Response Status Code	The only supported value is 'Acknowledged'
Supplier GLN	
Buyer GLN	
Goods Requirement Identification (Booking Reference Number)	Original Booking Reference Number
Goods Requirement Creation Date/Time (Booking Number Date/Time)	Data and time of the original Booking Request

#### 4.2.1 Header elements

All elements in the Header are mandatory and a number of the elements are fixed. All are to be implemented to ensure interoperability of eProcurement systems.

Element Name and XPATH	Description	Format	Status
Header Version StandardBusinessDocumentHeader→HeaderVersion	Version number of SBDH standard. This shall be '1.0'.	N,3	F
Sender StandardBusinessDocumentHeader→Sender→Identifier	Sender GLN.	AN,13	M
Authority StandardBusinessDocumentHeader→Sender→Identifier@authority	Set to 'GSI'.	AN,7	F
Sender Name StandardBusinessDocumentHeader→Sender→ContactInformation→Contact	Technical contact of sending organisation.	AN,50	M
Sender Email Address StandardBusinessDocumentHeader→Sender→ContactInformation→EmailAddress	Detail of technical contact in sending organisation able to address issues concerning message delivery.	AN,60	O

Element Name and XPATH	Description	Format	Status
Sender Fax Number StandardBusinessDocumentHeader→Sender→ContactInformation→FaxNumber	Details of technical contact in sending organisation able to address issues concerning message delivery.	AN,25	O
Sender PhoneNumber StandardBusinessDocumentHeader→Sender→ContactInformation→TelephoneNumber	Details of technical contact in sending organisation able to address issues concerning message delivery.	AN,25	O
Receiver StandardBusinessDocumentHeader→Receiver→Identifier	Receiver GLN.	AN,13	M
Authority StandardBusinessDocumentHeader→Receiver→Identifier@authority	Set to 'GSI'.	AN,7	F
Receiver Name StandardBusinessDocumentHeader→Receiver→ContactInformation→Contact	Technical contact of receiving organisation.	AN,50	M
Receiver Email Address StandardBusinessDocumentHeader→Receiver→ContactInformation→EmailAddress	Detail of technical contact in receiving organisation able to address issues concerning message delivery.	AN,60	O
Receiver Fax Number StandardBusinessDocumentHeader→Receiver→ContactInformation→FaxNumber	Details of technical contact in receiving organisation able to address issues concerning message delivery.	AN,25	O
Receiver PhoneNumber StandardBusinessDocumentHeader→Receiver→ContactInformation→TelephoneNumber	Details of technical contact in receiving organisation able to address issues concerning message delivery.	AN,25	O
Message Document Standard StandardBusinessDocumentHeader→DocumentIdentification→Standard	Set to 'GSI'.	AN,7	F
Message Document Type Version StandardBusinessDocumentHeader→DocumentIdentification→TypeVersion	Set to version number of <i>goodsRequirementsResponse</i> schema (e.g. '3.0').	AN,3	M
Message Document Identifier StandardBusinessDocumentHeader→DocumentIdentification→InstanceIdentifier	Uniquely identifies instance of goods requirements document.	AN,30	M
Message Document Type StandardBusinessDocumentHeader→DocumentIdentification→Type	Set to ' <i>goodsRequirementsResponse</i> '.	AN,18	F

<b>Element Name and XPATH</b>	<b>Description</b>	<b>Format</b>	<b>Status</b>
Message Document Multiple Types Included StandardBusinessDocumentHeader→DocumentIdentification→MultipleType	Set to 'false'.	AN,5	F
MessageDocumentCreation Date StandardBusinessDocumentHeader→DocumentIdentification→CreationDateAndTime	Set to date and time of the message.	DT	M
Business Scope Type StandardBusinessDocumentHeader→BusinessScope→Scope→Type	Set to 'NEHTA:E-Procurement:Loan and Consignment Stock'.	AN,20	F
Business Scope Identifier StandardBusinessDocumentHeader→BusinessScope→Scope→InstanceIdentifier	Set to '1.x	N,3	M

#### 4.2.2 Goods Requirement Confirmation (Booking Confirmation) elements

<b>Element Name and XPATH</b>	<b>Description</b>	<b>Format</b>	<b>Status</b>
Booking Creation Date and Time goodsRequirementsResponse→creationDateTime	Set to date and time of the creation of the booking.	DT	M
Message Function goodsRequirements→documentStatusCode	Set to 'ORIGINAL'.	AN	M
Action Code goodsRequirementsResponse→documentActionCode	Allowable values are: 'ADD' (new booking), 'CHANGE_BY_REFRESH' (revised booking) or 'DELETE' (cancelled booking).	LIST	O
Last Update Date goodsRequirementsResponse→lastUpdateDateTime	Last Update Date/Time. Specified whenever the Booking Confirmation is changed (ie. Action Code = (CHANGE_BY_REFRESH) and set to date/time of that revision).	DT	O
Goods Requirements Confirmation Reference Number goodsRequirementsResponse→goodsRequirementsResponseIdentification→entityIdentification	Identifier that uniquely identifies the document (This is <i>not</i> the original Booking Reference Number)	AN,80	M

Element Name and XPATH	Description	Format	Status
Content Owner goodsRequirementsResponse→ goodsRequirementsResponseIdentification→contentOwner→GLN	The GLN of the owner of the message content.	AN,13	M
Response Status Code goodsRequirementsResponse→responseStatusCode	Set to 'ACKNOWLEDGED'.	AN,80	F
Goods Requirements Seller goodsRequirementsResponse→seller→gln	Loan kit supplier GLN.	AN,13	M
Goods Requirements Buyer goodsRequirementsResponse→buyer→gln	Loan kit order GLN	AN,13	M
Goods Requirements Identification goodsRequirementsResponse→goodsRequirements→entityIdentification	The Booking Reference Number from the original Requirements Request	AN,80	M
Goods Requirements Identification Content Owner goodsRequirementsResponse→goodsRequirements→contentOwner→GLN	The GLN of the Owner of the original Booking Reference Number	AN,13	M
Goods Requirements Creation Date / Time goodsRequirementsResponse→goodsRequirements→creationDateTime	The Date/Time of the original Booking Request	DT	M
Goods Requirements Item Number goodsRequirementsResponse→goodsRequirements→lineItemNumber	The Item Number from the original Booking Request	N,1	M



# 5 Consumption Report Message

## 5.1 Business rules (basic)

EDI standard messages are available for vendors who wish to integrate their Order Fulfilment systems.

Consumption Reports will be created and sent to trading partners to support two distinct business processes

1. Confirmation of the consumption of components from a Loan Kit(s) associated with a Case or Procedure (often referred to as short-term stock)
2. Confirmation of the consumption of everyday consignment stock such as from ward cupboards or stores (often referred to as long-term stock)
3. Currently Consumption reports are being generated by some health service as free text within a purchase order. It is expected the HUB provider will remove this information from the PO and restructure the information into the following format.

### 5.1.1 Kits (Procedure or Case)

The consumption from Loan Kits will be reported using the following business rules:

- One Consumption Report refers to one Booking Request.
- A Consumption Report contains the list of Items (Implantable devices) used in the surgery (including any damaged, missing or misplaced items).
- A Consumption Report may also include long-term stock for the same supplier that was also used as part of the Case or Procedure
- Supplier Invoices must reflect the items in Consumption Report message, and it is expected that a supplier would issue a single invoice for a Case / Procedure.
- Where the hospital re-uses the Kit for a subsequent procedure, the full Booking process will be followed including a new Booking Request, Booking Request Confirmation, Despatch Advice, Consumption Report and Invoice.

### 5.1.2 Consignment/Long-term stock

There has been little discussion to date regarding the use of the Consumption Report to indicate the use of stock not related to the Booking Request business process. This section will be devoted to identifying any specific business processes that should be included as the baseline for reporting and input from the community is welcomed and desired.

## 5.2 Consumption Report Business Data Summary

Please note that the table below contains a list of *all* the data possible for the Consumption Report; the detail elements section provides an indication of whether each element is Mandatory, Optional or Conditional.

<b>Business Data</b>	<b>Notes</b>
Report Creation Date/Time	Date and time of the Consumption Report
Message Function	ORIGINAL is the only value supported
Action Code	ADD, CHANGE_BY_REFRESH & DELETE are supported
Last Update Date	Date/Time
Consumption Report Identifier	Unique identifier for the Consumption Report
Supplier GLN	
Buyer GLN	
Ship-to GLN	
Report Line Number	Sequential line number within the report
Item Quantity	Item Quantity Consumed
Measure Code	Unit of Measure Code
Consumption Period Start Date	
Consumption Period End Date	
Item Batch Number	
Item Lot Number	
Order Number / Booking Request Number	Order or Booking Number associated to the consumed item
Currency	

<b>Business Data</b>	<b>Notes</b>
Total Monetary Value of the Items Consumed	Extended item amount
Monetary Value of Item	Item unit price
Item Identification – GTIN	Item GTIN; padded with Zero’s if no GTIN is available
Item Identification – Supplier Item Number	Supplier item number; mandatory where a valid GTIN is not available
RFID Tag Serial Number	Conditionally mandatory where the Consumption Report is related to items consumed as a result of a Booking Request and RFID has been used
Item description	
Surgeon Name	To be optionally used when the Consumption Report related to items consumed as a result of a Booking Request
Surgeon ID	To be optionally used when the Consumption Report related to items consumed as a result of a Booking Request
Patient Identification	To be optionally used when the Consumption Report related to items consumed as a result of a Booking Request. Either IHI or UR numbers may be used
Patient Name	To be optionally used when the Consumption Report related to items consumed as a result of a Booking Request
Patient Gender	To be optionally used when the Consumption Report related to items consumed as a result of a Booking Request
Patient Admission Class	To be optionally used when the Consumption Report related to items consumed as a result of a Booking Request
Consumption Status	This is for informational purposes only. The values supported are <i>'Consumed'</i> , <i>'Waste'</i> & <i>'Damaged'</i>
Consumption Report total Monetary Amount	To be optionally used when the Consumption Report related to items consumed as a result of a Booking Request

### 5.2.1 Header elements

All elements in the Header are mandatory and a number of the elements are fixed. All are to be implemented to ensure interoperability of eProcurement systems.

Element Name and XPATH	Description	Format	Status
Header Version StandardBusinessDocumentHeader→HeaderVersion	Version number of SBDH standard. This shall be '1.0'.	N1,1	F
Sender StandardBusinessDocumentHeader→Sender→Identifier	Sender GLN.	N,13	M
Authority StandardBusinessDocumentHeader→Sender→Identifier→@Authority	Authority 'EAN.UCC'	AN,7	M
Sender Name StandardBusinessDocumentHeader→Sender→ContactInformation→Contact	This attribute shall be used according to GS1 standards; this element is mandatory if ContactInformation is used as per UN/CEFACT schema definition.	AN,50	O
Sender Email Address StandardBusinessDocumentHeader→Sender→ContactInformation→EmailAddress	Email address of technical contact in the sending organisation that is able to address issues concerning message delivery. Should not contain Personally Identifiable Information (PII).	AN,60	O
Sender Fax Number StandardBusinessDocumentHeader→Sender→ContactInformation→FaxNumber	Fax number of technical contact in the sending organisation that is able to address issues concerning message delivery.	AN,25	O
Sender Phone Number StandardBusinessDocumentHeader→Sender→ContactInformation→TelephoneNumber	Phone number of technical contact in the sending organisation that is able to address issues concerning message delivery.	AN,25	O
Receiver StandardBusinessDocumentHeader→Receiver→Identifier	Receiver GLN. The Receiver Identifier must be the GLN of the sending organisation.	N,13	M
Authority StandardBusinessDocumentHeader→Receiver→Identifier→@Authority	Authority 'EAN.UCC'	AN,7	M

Element Name and XPATH	Description	Format	Status
Receiver Name StandardBusinessDocumentHeader→Receiver→ContactInformation→Contact	Department and/or job title of technical contact in the receiving organisation that is able to address issues concerning message delivery. Shall not contain the name of an individual.	AN,50	M
Receiver Email Address StandardBusinessDocumentHeader→Receiver→ContactInformation→EmailAddress	Email address of the Department in the receiving organisation who is able to address issues concerning message delivery, should not contain Personally identifiable information (PII).	AN,60	O
Receiver Fax Number StandardBusinessDocumentHeader→Receiver→ContactInformation→FaxNumber	Fax number of receiving organisation who is able to address issues concerning message delivery.	AN,25	O
Receiver Phone Number StandardBusinessDocumentHeader→Receiver→ContactInformation→TelephoneNumber	Phone number of technical contact in the receiving organisation who is able to address issues concerning message delivery.	AN,25	O
Message Document Standard StandardBusinessDocumentHeader→DocumentIdentification→Standard	Set to 'EAN.UCC'.	AN,7	M
Message Document Type Version StandardBusinessDocumentHeader→DocumentIdentification→TypeVersion	Must be set to the version number of the Consumption Report message schema e.g. '2.5'	N1,1	M
Message Document Identifier StandardBusinessDocumentHeader→DocumentIdentification→InstanceIdentifier	This element is used to identify the whole message being transmitted, not the business document contained within the message. It is uniquely identifies the instance of standard business document.	AN,30	M
Message Document Type StandardBusinessDocumentHeader→DocumentIdentification→Type	Set to 'consumptionReport'.	AN,17	M
Message Document Multiple Types Included StandardBusinessDocumentHeader→DocumentIdentification→MultipleType	Set to 'false'.	AN,5	F
Message Document Creation Date StandardBusinessDocumentHeader→DocumentIdentification→CreationDateAndTime	Date this Consumption Report was created. Must be set to the date and time that the source Consumption Report was approved/verified in the original system.	DT	M

Element Name and XPATH	Description	Format	Status
Business Scope Type StandardBusinessDocumentHeader→BusinessScope→Scope→Type	Set to 'NEHTA:E-Procurement:Loan and Consignment Stock'.	AN,20	M
Business Scope Identifier StandardBusinessDocumentHeader→BusinessScope→Scope→InstanceIdentifier	Must be set to '1.5' which is the current version of this guideline.	N1,1	M
Transaction Identifier StandardBusinessDocumentHeader→BusinessScope→Scope→Identifier	Mandatory element when Business Scope Type is set to 'NEHTA:E-Procurement:Loan and Consignment Stock'  "HOLD" for Prosthesis RFID Orders (indicating goods are not to be shipped as they have been received and used);  or  "DISPATCH" to despatch ordered items (ie. for items identified as consumed and to be replaced)	AN	R
<any>	Place holder for the GS1 XML constructs. Replaced by 'message' element.		M

### 5.2.2 Message Layer elements

All elements in the Message Layer, and its three sub-layers, are mandatory and are to be implemented to ensure interoperability of eProcurement systems.

Element Name and XPATH	Description	Format	Status
Message: <any>	This is the place holder for the 'Message Layer' element.		M

Element Name and XPATH	Description	Format	Status
Message: Identifier entityIdentification→uniqueCreatorIdentification	Must be set to the Consumption Report Number as per the uniqueCreatorIdentification element in the <i>consumptionReport</i> element. This is to allow messaging hubs etc. easy access to the settlement number without having to decode the entire XML document.	AN	M
Message: Owner entityIdentification→contentOwner→gln	GLN of sender organisation.	N,13	M
Transaction Layer <eanucc:transaction>	This is the place holder for the "Transaction Layer" element.		M
Transaction: Identifier transaction→entityIdentification→uniqueCreatorIdentification	Identifies transaction and shall be distinct from all other identifiers used in message.  (Note: a prefix such as 'TRA' is one way to ensure it is distinct.)	AN,30	M
Transaction: Owner transaction→entityIdentification→contentOwner→gln	GLN of sender organisation.	N,13	M

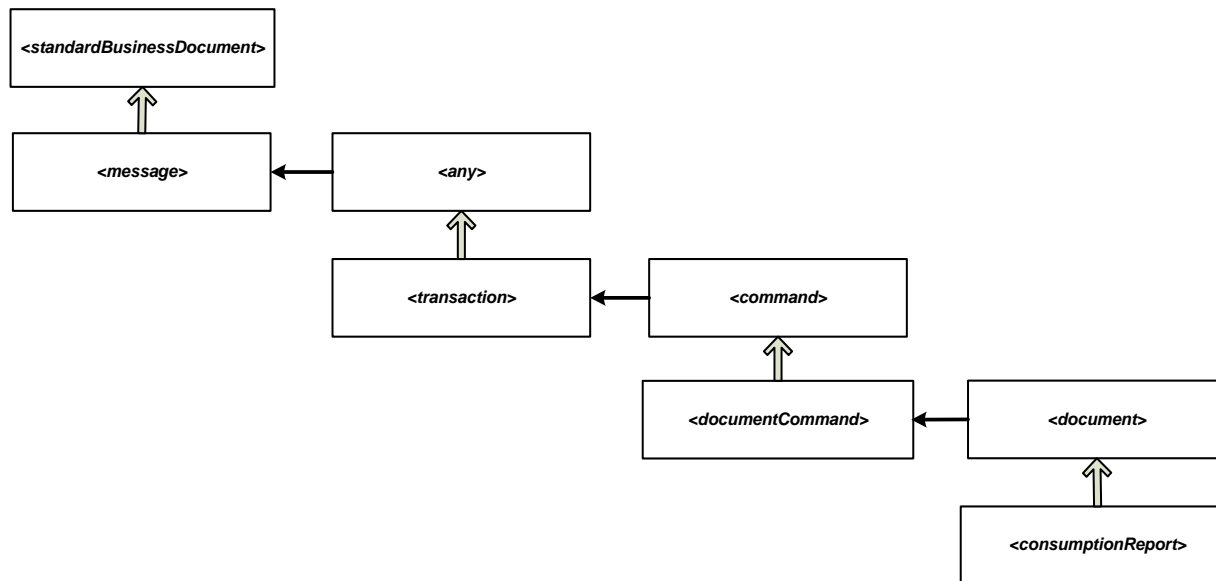
Element Name and XPATH	Description	Format	Status
Transaction: Command transaction→'command'	This abstract element is replaced by the <i>documentCommand</i> element. (It is one of three elements in the command substitution group, and the one that is required for Consumption Report message.)		M
Document Command Element transaction→command→eanucc:documentCommand	This element replaces the <i>command</i> element in the <i>transaction</i> element. <i>documentCommand</i> is one element in the command substitution group.		M
Document Command: Type transaction→command→documentCommand→documentCommandHeader→type	Allowable values are: 'ADD', 'CHANGE_BY_REFRESH' or 'DELETE'.	LIST	M
Document Command: Identifier transaction→command→documentCommand→documentCommandHeader→entityIdentification→uniqueCreatorIdentification	This identifies the transaction, and should be distinct from all other identifiers used in the message. (Note: a prefix such as 'CMD' is one way to ensure it is distinct.)	AN,30	M
Document Command : Owner transaction→command→documentCommand→documentCommandHeader→entityIdentification→contentOwner→gln	GLN of sender organisation.	N,13	M



Element Name and XPATH	Description	Format	Status
Document Command : Business Document transaction→command→documentCommand→documentCommandOperand→document	This element is replaced with the Business Document payload i.e. <i>consumptionReport</i>		M

### 5.2.3 Business Document Layer Message elements

This layer covers the Consumption Report Message. The following business data model provides reference to each data element contained with the consumptionReport message. The definition of "Status" is referred to in Table 1.0. "NEHTA MIG Ref" refers to Version 1.5 and the relevant section in "NEHTA Standard Message Implementation Guidelines for Health eProcurement, Part 6: GS1 XML Consumption Report Messages".



### 5.2.3.1 Consumption Report Header Elements

All XML Element Names start with below XPATH;

StandardBusinessDocument → message → transaction → command → documentCommand → documentCommandOperand → deliver:consumptionReport

Element Name and XPATH	Description	Format	Status
Message Function @documentStatus	Always "ORIGINAL"	LIST	M
Creation Date @creationDateTime	Message creation Date/Time. e.g. "2009-08-21T14:15:16.000+08:00"	DT	M
Consumption Report Identification ConsumptionReportIdentification → uniqueCreatorIdentification	Unique Consumption Report Number.	AN,35	M
Document Owner consumptionReportIdentification → contentOwner → gln	Message Creator's GLN.	N,13	M
Buyer Reference buyer → gln	Buyer's GLN.	N,13	M
Supplier Reference seller → gln	Vendor's GLN.	N,13	M
Ship To consumptionReportItemLocationInformation → shipTo → gln	Ship To GLN.	N,13	M
Line Number consumptionReportLineItem@number	Consumption report Line Number (attribute)	N,	M
Item Quantity consumptionReportLineItem → consumedQuantity → value	Quantity consumed	N,	M

Element Name and XPATH	Description	Format	Status
Measurement Code consumptionReportLineItem→consumedQuantity→unitOfMeasure→measurementUnitCodeValue	Unit of Measurement. Allowable values for <i>unitOfMeasure</i> are defined in EANCOM element 6411.	AN, List	O
Consumption Time Frame consumptionReportLineItem→timeBucketSize	Refer to GS1-XML specifications for the list of available values	List	O
Consumption Period start date consumptionReportLineItem→consumptionPeriod→timePeriod@beginDate	Date when requested items are received	Date	M
Consumption Period end date consumptionReportLineItem→consumptionPeriod→timePeriod@endDate	Consumption report date	Date	M
Item Batch Number consumptionReportLineItem→transactionalItemData→batchNumber	Item Batch Number relative to Line item. Either the Item Batch Number or Lot Number must be provided	AN,50	C
Item Lot Number consumptionReportLineItem→transactionalItemData→lotNumber	Lot Number relative to Line Item. Either the Item Lot Number or Batch Number must be provided	AN	C
Production Date consumptionReportLineItem→transactionalItemData→productionDate	Operation or Procedure Date. This is the date the Operation/ Procedure was performed	AN	O
Original Booking Request or Order Number consumptionReportLineItem→purchaseConditions→documentReference→uniqueCreatorIdentification	Original Booking Request reference or related Purchase Order Number	AN	C
Owner of the Booking Request or Order consumptionReportLineItem→purchaseConditions→documentReference→contentOwner→gln	13 digit Buyer GLN number.	N, 13	C
Currency Type consumptionReportLineItem→netConsumptionAmount→amount→currencyCode→currencyISOCode	Currency ISO code, eg: 'AU'.	List	C
Monetary value of the consumed Items (Total Item Amount) consumptionReportLineItem→netConsumptionAmount→amount→monetaryAmount	Net Amount value of the consumed Item.	N	O

Element Name and XPATH	Description	Format	Status
Currency Type consumptionReportLineItem→netPrice→currencyCode→currencyISOCODE	Currency ISO code, set to: 'AUD'	List	C
Monetary value of the consumed Items (Net Price) consumptionReportLineItem→netPrice→amount→monetaryAmount	Net Price of the consumed Item.	N	O
Item Identification - GTIN consumptionReportItemLocationInformation→tradeItemIdentification→gtin	Global Trade Item Number (GTIN). The provision of a GTIN is mandatory in the GS1-XML schema, so if a GTIN is not available then a value of '00000000000000' should be sent.	N,14	M
Additional Trade Item Identification consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	Supplier Item Number	AN,80	C
Item Identification Type consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Item Type set to 'SUPPLIER_ASSIGNED'	List	C
Additional Trade Item Identification consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	The RFID Tag Serial Number. If the "StandardBusinessDocumentHeader→BusinessScope→Scope→Type" = 'NEHTA E:Procurement:RFID' then RFID Tag ID for the item is conditionally required where RFID identification has been used.	AN,80	O
Item Identification Type consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Item Type set to 'FOR_INTERNAL_USE_1' (This code is reserved for RFID Tag Identification Number)	List	C
Additional Trade Item Identification consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	Item Description	AN,80	O
Item Identification Type consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Item Type set to 'FOR_INTERNAL_USE_2' (This code is reserved for Item Description only)	List	C

Element Name and XPATH	Description	Format	Status
Additional Trade Item Identification consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	Surgeon Name	AN,80	O
Item Identification Type consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Item Type set to 'FOR_INTERNAL_USE_3' (This code is reserved for Surgeon Name only)	List	C
Additional Trade Item Identification consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	Surgeon ID	N,16	O
Item Identification Type consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Item Type set to 'FOR_INTERNAL_USE_4' (This code is reserved for HPI-I only)	List	C
Additional Trade Item Identification consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	Patient Identification (IHI or UR Number)	AN,80	O
Item Identification Type consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Item Type set to 'FOR_INTERNAL_USE_5' (This code is reserved for Patient Identification only)	List	C
Additional Trade Item Identification consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	Patient Name	AN,80	O
Item Identification Type consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Item Type set to 'FOR_INTERNAL_USE_6' (This code is reserved for Patient Name only)	List	C
Additional Trade Item Identification consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	Patient Gender. Accepted values are 'Male' and 'Female'.	AN,80	O

Element Name and XPATH	Description	Format	Status
<b>Item Identification Type</b> consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Item Type set to 'FOR_INTERNAL_USE_7' (This code is reserved for Patient Gender only)	List	C
<b>Additional Trade Item Identification</b> consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	Patient Admission Class. Set to ' <i>Public</i> ', ' <i>Private</i> ', ' <i>Self-funded</i> ' or ' <i>Compensible</i> '.	AN,80	O
<b>Item Identification Type</b> consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Item Type set to 'FOR_INTERNAL_USE_8' (This code is reserved for Patient Admission Class only)	List	C
<b>Additional Trade Item Identification</b> consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	Consumption Status. Set to ' <i>Consumed</i> ', ' <i>Waste</i> ', ' <i>Damaged</i> '.	AN,80	O
<b>Item Identification Type</b> consumptionReportItemLocationInformation→tradeItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Item Type set to 'FOR_INTERNAL_USE_9' (This code is reserved for Consumption Status only)	List	C
<b>Amount Type</b> totalConsumptionAmount→amount→currencyCode→currencyISOCODE	Currency Code set to 'AUD'	List	C
<b>Total Consumption Amount</b> totalConsumptionAmount→amount→monetaryAmount	Conditionally required if netConsumptionAmount is used.	N	O

## 6 Return Despatch Advice

The Return Despatch Advice is focused on notifying the Supplier of a Loan Kit of the date and time when the kit will be available for pickup/despatch using courier from the Hospital.

The message is designed to carry a relatively light payload of information primarily focusing on relevant dates and times, kit item identification such as GTIN, Supplier item numbers, serial and batch numbers – where relevant and available, and information relating to the Booking including the Booking Reference Number, Surgery Date, Patient Identification, and contact details.

As with all the messages in this document, this is a draft message and its use, content and business rules are open to discussion and feedback from the community.

Please note that while the Return Despatch Advice has been included as a separate specification, the intention is to incorporate the finalised requirements and specifications into a common Despatch Advice specification (eg. core NEHTA).

### 6.1 Business rules

Return Despatch Advice's (RDA) will be created and sent by trading partners using the following business rules:

- The Buyer must send an RDA which indicates to the Supplier that the loan kit is ready for pickup/courier - including instruments. Please note that receiving a Consumption Report does NOT indicate the kit is ready to be picked up/ courier.
- The RDA must relate to an open and valid Booking Request.
- The RDA cannot contain items from more than one Booking Request.
- One Booking Request can have multiple versions of an RDA (ie. Where the date/time may change).
- There may be more than one RDA for a booking (ie. Where multiple loan kits were used or where not all items are available at the same time).
- An RDA can only list items for one Buyer/Pick-up Location (GLN).
- The Ship-to GLN in the RDA may vary from the Supplier GLN, though typically the value would be the same as the Buyer does not generally have visibility as to the ultimate destination of the Loan Kit. **Note:** The Ship-to is provided primarily due to the requirement of GS1-XML for this value to be present.
- As per the NEHTA recommended use of communication channel, AS2; all suppliers should consider incorporating Message Disposition Notice (MDN) as a message delivery acknowledgement where required.
- All items are identifiable by the ordered GTIN where this is available or was provided.
- The quantity in the RDA cannot exceed the quantity advised in the Booking Request.

## 6.2 Return Despatch Advice Business Data

Please note that the table below contains a list of *all* the data possible for the Return Despatch Advice; the detail elements section provides an indication of whether each element is Mandatory, Optional or Conditional.

Business Data	Notes
Despatch Advice Creation Date/Time	Date and time of the Despatch Advice
Message Function	ORIGINAL is the only value supported
Action Code	ADD, CHANGE_BY_REFRESH & DELETE are supported
Last Update Date	Only relevant where the message has an Action Code of 'CHANGE_BY_REFRESH'
Despatch Advice Number	
Pickup Date/Time	The date and time the goods will be ready and available for pickup
Despatch Date/Time	The Date and Time the goods will be available for despatch. Only used if the goods are going to send back using courier
Actual Ship Date/Time	The date and time the goods are expected to be picked up
Number of Packages	The total number of items to be picked up
Package Types	The types of packages to be picked up
Despatch Advice Creator	GLN
Supplier Identification	GLN
Buyer Identification	GLN
Ship-to Identification	GLN. This is mandatory in the GS1-XML schema. May be the same value as Supplier Identification
Packaging Level	



<b>Business Data</b>	<b>Notes</b>
Parent Packaging Level	
Packaging Type	
Child Packaging Type	
Number of Packages	
Packaging Identification	SSCC
Item Identification	GTIN. Padded with 14 zero's where not available.
Alternate Item Identification	Supplier item number
Patient Surgery Date	
Patient Reference	Name or IHI
Booking Request Number	
Booking Request Owner	GLN
Item Serial Number	
RFID Tag Serial Number	
Batch Number	
Quantity	The quantity of the identified item
Hospital Location	City/Suburb

<b>Business Data</b>	<b>Notes</b>
Hospital Name	
Contact Name	The relevant Hospital contact whether that be the Surgeon, Theatre Manager or Administrative

### 6.2.1 Header elements

All elements in the Header are mandatory and a number of the elements are fixed. All are to be implemented to ensure interoperability of eProcurement systems.

<b>Element Name and XPATH</b>	<b>Description</b>	<b>Format</b>	<b>Status</b>
Header Version StandardBusinessDocumentHeader→HeaderVersion	Version number of SBDH standard. This shall be '1.0'.	N1,1	F
Sender StandardBusinessDocumentHeader→Sender→Identifier	Sender GLN.	N,13	M
Authority StandardBusinessDocumentHeader→Sender→Identifier@Authority	Set to 'EAN.UCC'.	AN,7	M
Sender Name StandardBusinessDocumentHeader→Sender→ContactInformation→Contact	Technical contact of sending organisation.	AN,50	O
Sender Email Address StandardBusinessDocumentHeader→Sender→ContactInformation→EmailAddress	Details of technical contact in sending organisation able to address issues concerning message delivery.	AN,60	O
Sender Fax Number StandardBusinessDocumentHeader→Sender→ContactInformation→FaxNumber	Details of technical contact in sending organisation able to address issues concerning message delivery.	AN,25	O
Sender Phone Number StandardBusinessDocumentHeader→Sender→ContactInformation→TelephoneNumber	Details of technical contact in sending organisation able to address issues concerning message delivery.	AN,25	O
Receiver	Receiver GLN.	N,13	M

Element Name and XPATH	Description	Format	Status
StandardBusinessDocumentHeader→Receiver→Identifier			
Authority StandardBusinessDocumentHeader→Receiver→Identifier→@Authority	Set to 'EAN.UCC'.	AN,7	M
Receiver Name StandardBusinessDocumentHeader→Receiver→ContactInformation→Contact	Technical contact of receiving organisation.	AN,50	O
Receiver Email Address StandardBusinessDocumentHeader→Receiver→ContactInformation→EmailAddress	Details of technical contact in receiving organisation able to address issues concerning message delivery.	AN,60	O
Receiver Fax Number StandardBusinessDocumentHeader→Receiver→ContactInformation→FaxNumber	Details of technical contact in receiving organisation able to address issues concerning message delivery.	AN,25	O
Receiver Phone Number StandardBusinessDocumentHeader→Receiver→ContactInformation→TelephoneNumber	Details of technical contact in receiving organisation able to address issues concerning message delivery.	AN,25	O
Message Document Standard StandardBusinessDocumentHeader→DocumentIdentification→Standard	Set to 'EAN.UCC'.	AN,7	F
Message Document Type Version StandardBusinessDocumentHeader→DocumentIdentification→TypeVersion	Set to version number of <i>despatchAdvice</i> schema e.g. '2.5'.	N1,1	M
Message Document Identifier StandardBusinessDocumentHeader→DocumentIdentification→InstanceIdentifier	Uniquely identifies instance of standard business document.	AN,30	M
Message Document Type StandardBusinessDocumentHeader→DocumentIdentification→Type	Set to ' <i>despatchAdvice</i> '.	AN,18	F
Message Document Multiple Types Included StandardBusinessDocumentHeader→DocumentIdentification→MultipleType	Set to ' <i>false</i> '.	AN,5	F
Message Document Creation Date StandardBusinessDocumentHeader→DocumentIdentification→CreationDateAndTime	Set to date and time of the message.	DT	M
Business Scope Type StandardBusinessDocumentHeader→BusinessScope→Scope→Type	Set to 'NEHTA:E-Procurement:Loan and Consignment Stock'	AN,20	F

Element Name and XPATH	Description	Format	Status
Business Scope Identifier StandardBusinessDocumentHeader→BusinessScope→Scope→InstanceIdentifier	Set to '1.5'.	N1,1	M
<any>	Place holder for the GS1 XML constructs. Replaced by 'message' element.		M

### 6.2.2 Message Layer elements

All elements in the Message Layer, and its three sub-layers, are mandatory and are to be implemented to ensure interoperability of eProcurement systems.

Element Name and XPATH	Description	Format	Status
Message: <any>	Place holder for the <i>transaction</i> element.		M
Message: Identifier entityIdentification→uniqueCreatorIdentification	Despatch number.	AN,80	M
Message: Owner entityIdentification→contentOwner→gln	GLN of sender organisation.	N,13	M
<eanucc:transaction Layer>	This is the place holder for the "Transaction Layer" element.	AN,25	M
Transaction: Identifier transaction→entityIdentification→uniqueCreatorIdentification	Identifies transaction and shall be distinct from all other identifiers used in message.	AN,30	M
Transaction: Owner transaction→entityIdentification→contentOwner→gln	GLN of sender organisation.	N,13	M

Element Name and XPATH	Description	Format	Status
Transaction: Command transaction→`command`	This abstract element is replaced by the documentCommand element. (It is one of three elements in the command substitution group, and the one that is required for Despatch Advice message.)	AN, 7	M
Document Command element transaction→command→eanucc:documentCommand	Replaces <i>command</i> element in transaction element.	AN,30	M
Document Command: Type transaction→command→documentCommand→documentCommandHeader@type	Allowable values are: 'ADD', 'CHANGE_BY_REFRESH' or 'DELETE'.	LIST	M
Document Command: Identifier transaction→command→documentCommand→documentCommandHeader→entityIdentification→uniqueCreatorIdentification	Identifies transaction and shall be distinct from all other identifiers used in message.	AN,30	M
Document Command: Owner transaction→command→documentCommand→documentCommandHeader→entityIdentification→contentOwner→gln	GLN of sender organisation.	N,13	M
Document Command: Business Document transaction→command→documentCommandOperand→document	Replaced with Business document payload i.e. <i>despatchAdvice</i> .		M

### 6.2.3 Business Document Layer Message elements

This layer covers the ASN Message. The Format, Status and Support columns are to be completed for all items in line with Section 2 to ensure interoperability of eProcurement systems.

Element Name and XPATH	Description	Format	Status

Element Name and XPATH	Description	Format	Status
Message Function @documentStatus	Allowable values are: 'ORIGINAL', 'COPY' or 'REPLACE'.	LIST	M
Last Update Date @lastUpdateDate	Last Update Date used if <i>documentStatus</i> set to 'REPLACE'.	DT	C
Despatch Advice Creation Date @creationDateTime	Creation Date/Time.	DT	M
Pickup Date and Time despatchInformation→pickupDateTime	The Date and Time the goods will be available for pickup.	DT	O
Despatch Date and Time despatchInformation→despatchDateTime	The Date and Time the goods will be available for despatch. Only used if the goods are going to send back using courier.	DT	O
Despatch Advice Reference Number despatchAdviceIdentification→uniqueCreatorIdentification	Identifier maintained by Buyer and uniquely identifies Despatch Advice.	AN,80	M
Despatch Advice Creator despatchAdviceIdentification→contentOwner→gln	Despatch Advice Creator GLN.	N,13	M
Actual Ship Date despatchInformation→actualShipping→actualShipDateTime	Actual Shipping Date/Time. This date/time is mandatory in the Schema and will generally be the same as the actual Pickup/Despatch Data and Time.	DT	M
Number of Packages consignmentInformation→packageInformation→numberOfUnits	Total number of packages in shipment.	N	O
Package Types consignmentInformation→packageInformation→packageType→packageTypeDescriptionCodeValue	Package Type Code. Refer to NEHTA spec for List values	LIST	O

Element Name and XPATH	Description	Format	Status
Supplier receiver→gln	Supplier GLN.	N,13	M
Buyer shipper→gln	Buyer/Hospital GLN.	N,13	M
Ship To Location shipTo→gln	Ship to Location GLN. Would generally be the same as the Supplier GLN though may vary.	N,13	M
Packaging Level despatchAdviceLogisticsUnitLineItem→levelId→levelIdentification	Packaging level identification.	N	O
Parent Packaging Level despatchAdviceLogisticsUnitLineItem→parentLevelId→levelIdentification	Parent Packaging Level Id.	N	O
Packaging Type despatchAdviceLogisticsUnitLineItem→packageType→packageTypeDescription CodeValue	Packaging Type Code. Refer to NEHTA spec for List values	LIST	O
Child Package Type despatchAdviceLogisticsUnitLineItem→packageType→childpackageTypeDescription CodeValue	Child Package Type Code. Refer to NEHTA spec for List values	LIST	O
Number of Packages despatchAdviceLogisticsUnitLineItem→quantityOfChildren	Number of packages within package being described.	N	O
Package Identification despatchAdviceLogisticUnitLineItem→logisticUnitIdentification→serialShipment ContainerCode→serialShippingContainerCode	Serial Shipping Container Code.	AN	O

Element Name and XPATH	Description	Format	Status
Line Item Number →@number	Line Item Number	N,99	M
Unique Product Identifier →containedItemIdentification →gtin	Global Trade Item (GTIN) Identification. Where a GTIN is not available this can be populated with '00000000000000'	N,14	M
→containedItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationValue	Supplier Product Code	AN,60	M
→containedItemIdentification→additionalTradeItemIdentification→additionalTradeItemIdentificationType	Type must be set to "SUPPLIER ASSIGNED" for Supplier Product Code	A,17	C
Patient Surgery Date →customer→reference→referenceDateTime	Date of patient surgery	DT	M
Patient Reference →customer→reference→referenceIdentification	This should be set to patients Individual Health identifier (IHI) number assigned by Medicare.	N,16	M
Booking Request Number →purchaseOrder→documentReference→ uniqueCreatorIdentification	Original Booking Request reference number	N	O
Booking Request Owner →purchaseOrder→documentReference→ contentOwner→gln	13 digit GLN of the Booking Request Owner (generally the Buyer)	N,13	C
Item Serial Number →listForEachItem→serialNumber	Item Serial Number. Either Serial Number of Batch Number should be provided.	AN	C
RFID TAG Serial →extension→##any	RFID Tag Serial Number. This is conditionally mandatory where RFID has been used to identify a Loan Kit or any contents of the Loan Kit.	AN	C



Element Name and XPATH	Description	Format	Status
Batch Number →extendedAttributes→batchNumber	Item Batch Number. Either Batch Number or Serial Number should be provided.	AN	C
Quantity per Package →quantityContained→value	Quantity per package.	N	M
Package : Unit of Measure → quantityContained →unitMeasurement→measurementValue→unitOfMeasure	Unit of Measure code. Allowable values are defined in EANCOM Element Definition 6411	List	C
Hospital Location →locationOfOrigin→nameAndAddress→city	City were Hospital is located	AN	R
Country Code →locationOfOrigin→nameAndAddress→countryCode→countryISOCod	Conditionally required; Set to "AU" for Australia	List	C
Language Code →locationOfOrigin→nameAndAddress→languageOfTheParty→languageISOCod e	Conditionally required; Set to "EN"	List	C
Name of the Hospital →locationOfOrigin→nameAndAddress→name	Hospital where the request originated.	AN	R
Contact Information Language code →locationOfOrigin→contactInformation→personOrDepartmentName→descripti on→language→languageISOCod	Conditionally required; Set to "EN"	List	C
Contact Person Name →locationOfOrigin→contactInformation→personOrDepartmentName→descripti on→text	A relevant Contact organising or managing the goods for pickup.	AN,60	R

## 7 RFID Tag Components

This section provides a list of attributes that are under consideration for encoding on RFID tags in the prosthetic booking / fulfilment supply chain. Further input is requested from the community regarding the attributes and any suggested business rules, specifically for use outside of RFID outside of this scope such as for any other returnable items or consumables.

Component	Description	Requirement	Format	Other
RFID Tag Serial Number	Tag manufacturer requirement	Mandatory	00000000000000x	
GTIN	GS1 GTIN as per NPC population	Mandatory	93xxxxxxxxxxxx	
Lot/ Batch Number	Product manufacturer reference	Conditional	A1xxxxxxxx	Dependent on product type
Expiry Date	Product manufacturer reference	Conditional	dd/mm/yyyy	Dependent on product type
Patient Name	Patient name (surname, first names)	Optional	BLOGGS, Joseph John	For patient specific products
UR Number	Patient ID (UR/ IHI/ other)	Optional	A1xxxxxxxxxxxxxxxx	For patient specific products

## 8 Glossary

<b>Bill of Lading</b>	A Bill of Lading is issued by the party who provides the physical transportation services (e.g., carrier) to the party who gives instructions for the transportation services (shipper, consignor, etc.) stating the details of the transportation, charges, and terms and conditions under which the transportation service is provided. It is used for ocean or river modes of transport.
<b>eCom</b>	eCom is a GS1 term used for the Electronic Data Interchange technology, which can be defined as "the transfer of structured data, by agreed message standards, from one computer application to another, by electronic means and with a minimum of human intervention". Visit <a href="http://www.gs1.org/ecom">http://www.gs1.org/ecom</a> for further information.
<b>EDI</b>	A set of standards for exchanging orders and other business transactions by electronic format. EDI is often supported by Value Added Networks (VANs).
<b>Electronic Procurement</b>	See eProcurement.
<b>Enterprise Resource Planning (ERP)</b>	An integrated computer-based system used to manage internal and external resources including tangible assets, financial resources, materials, and human resources. It is a software architecture whose purpose is to facilitate the flow of information between all business functions inside the boundaries of the organization and manage the connections to outside stakeholders. Built on a centralized database and normally utilizing a common computing platform, ERP systems consolidate all business operations into a uniform and enterprise wide system environment.
<b>eProcurement</b>	Uses web-based technologies and communication to connect buyers and sellers. Facilitates the process from requisition and approval of purchases through to receipt and settlement. Also see the eProcurement XML specifications.
<b>Global Location Numbers (GLN)</b>	The GS1 Identification Key used to identify physical locations or legal entities. The key is comprised of a GS1 Company Prefix, Location Reference, and Check Digit. The Global Location Number (GLN) is used to uniquely identify a physical location or legal entity. A physical location can be a particular room in a building a legal entity can be suppliers, customers, financial services companies, and freight forwarders. Visit <a href="http://www.gs1au.org/index.asp">http://www.gs1au.org/index.asp</a> for further information.
<b>GS1</b>	The standards organisation engaged by NEHTA to host and support the National Product Catalogue. GS1 issue the GTINs that uniquely identify products at each level of packaging. NEHTA has adopted GS1's XML messaging standards to create a subset that is used by the Australian Health Sector. Visit <a href="http://www.gs1au.org/index.asp">http://www.gs1au.org/index.asp</a> for further information.
<b>GS1 EANCOM</b>	A GS1 EDI standard, fully based on the UN/EDIFACT (United Nations Electronic Data Interchange for Administration, Commerce and Transport), which comprises a set of internationally agreed standards, directories and guidelines for the electronic interchange of data.

<b>GS1 XML</b>	The GS1 Standard for Extensible Markup Language (a particular computer programming language) schemas. It provides users with a global business messaging language of e-business which can be used to conduct efficient internet-based electronic commerce. Visit <a href="http://www.gs1.org/ecom/xml">http://www.gs1.org/ecom/xml</a> for further information.
<b>Global Standards Management Process (GSMP)</b>	Worldwide collaborative forum where GS1 standards are built and maintained. The GSMP brings together users from all industries and from everywhere in the world to identify needs for standards, gather business requirements, document best practices, obtain consensus on solutions, and then develop and implement the resulting supply chain standards.
<b>--Global Trade Item (GTIN)</b>	Global Trade Item Number. A unique number generated by GS1 that identifies products at every level of packaging and that can form part of a barcode.
<b>Hub</b>	A Service Provider that provides data and messaging transportation and transformation services et al on behalf of a supplier and/or a buyer. See Service Provider.
<b>Jurisdiction</b>	Refers to the health departments of all states and territories.
<b>Message Implementation Guide (MIG)</b>	This document forms the baseline set of business and technical rules for eProcurement implementation that is produced by each buyer. The document is widely and freely available to all suppliers and hubs.
<b>NEHTA</b>	National E-Health Transition Authority (NEHTA Limited) is a not-for-profit company established by the Australian, State and Territory governments to develop better ways of electronically collecting and securely exchanging health information. See <a href="http://www.nehta.gov.au">http://www.nehta.gov.au</a> for further information.
<b>NEHTA eProcurement XML Specifications</b>	A set of XML messages developed by NEHTA e.g. Purchase Order, Purchase Order Response, Invoice and Despatch Advice (ASN). These and other messages form a subset of the global eProcurement standards maintained by GS1. There is a level of flexibility built into the implementation of NEHTA specifications resulting from the choices available via optional and/or mandatory fields.
<b>National Product Catalogue (NPC)</b>	A single repository of product, pricing and healthcare data for all Health Industry Product Categories for the purpose of data synchronisations. These categories include pharmaceutical, medical devices (including orthopaedics, implants, dental, imaging, etc.), catering and food services, cleaning products, etc.
<b>Service Provider</b>	A company that offers products and services that are relevant to eProcurement. For instance, a company that offers an eProcurement software/process package and implementation support. See Hub.
<b>RFID</b>	Radio Frequency IDentification (RFID) is a technology that allows automatic identification of objects, animals or people by incorporating a small electronic chip on its "host". Data is stored on this chip and can then be "read" by wireless devices, called RFID readers.

<b>UN/CEFACT</b>	United Nations Centre for Trade Facilitation and Electronic Business. Has a mission to improve the ability of business, trade and administrative organisations, from developed, developing and transitional economies, to exchange products and relevant services effectively - and so contribute to the growth of global commerce. The Centre is a subsidiary body of the UNECE Committee on Trade (United Nations Economic Commission for Europe).
<b>UN/EDIFACT</b>	United Nations rules for Electronic Data Interchange for Administration, Commerce and Transport. They comprise a set of standards, directories and guidelines for the electronic interchange of structured data, and in particular that related to trade in goods or services, between independent computerized information systems. Recommended within the framework of the United Nations, the rules are approved and published by the UN/ECE in the United Nations Trade Data Interchange Directory (UNTDID) and are maintained under agreed procedures.
<b>UN/XML</b>	The anticipatory standard of choice for eProcurement in the public sector in many countries. The reason for this is that adopting a common standard that covers both private and public sector needs will naturally reduce the number of competing standards.
<b>Value Added Network Services (VANS)</b>	A value-added network (VAN) is a private network provider that is hired by a company to facilitate Electronic Data Interchange (EDI) or provide other network services.
<b>XML</b>	Extensible Mark-up Language. A set of rules for encoding documents electronically. It is defined in the XML 1.0 Specification produced by the W3C and several other related specifications; all are fee-free open standards.