EDI Implementation Guide
Supplier Information

Electronic Invoices

version 1.0 April 2001

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Best & Less Electronic Trading

1 Introduction

Electronic Data Interchange or EDI as it will be referred to throughout this document provides a mechanism for businesses to exchange business documents electronically. B2B or Business To Business is the jargon term in current use to describe electronic trading between businesses, but the lofty aims embodied in B2B often fall short because a unique solution is developed solely for the benefit of one business partner.

In seeking to increase the efficiency of its business processes, Best & Less have adopted an international standard for its electronic trading. This standard is known as ANSI X12 and is currently in use by a wide variety of companies in the retail trading area. The successful rollout of EDI has already seen Best & Less sending purchase orders and purchase order amendments to its suppliers (trading partners).

Now Best & Less will move to the next phase of its EDI rollout, with the receiving of EDI invoices from its trading partners.

1.1 Purpose of this implementation guide

This Implementation Guide will provide our trading partners with the necessary information to send Best & Less EDI invoices (document type 810).

1.2 Who should use this guide

This Implementation Guide is intended for use by Best & Less suppliers, referred to in the rest of this document as trading partners. The guide defines the format, content and processing required to send and receive EDI documents and is designed to support the successful implementation of EDI.

1.3 What if you are already using EDI with other trading partners

Contact your EDI software supplier and advise them you wish to trade electronically with Best & Less. Either provide them with a copy of this implementation guide or ask them to call John Niemeyer, EDI manager at Best & Less on telephone number (02) 9560 5677 who will provide them with the necessary technical documentation.

1.4   What if you don't trade electronically using EDI

There are several companies who can provide EDI software and technical expertise. The companies listed below have been engaged by Best & Less to provide consulting and software services for their implementation of EDI, but there are other companies who will also be able to provide software to trade electronically with Best & Less.

Keep in mind that the on-going electronic mailbox costs may over time be more significant than the initial cost of EDI software and that your EDI software supplier needs to be able to provide after sales helpdesk support when required from time to time.

- InterBusiness Services Pty. Ltd. Tel: (03) 9852 9555- EDI software & sales Steve Sheppard

- Double Z Computer Pty. Ltd.   Tel: (03) 9521 2188- EDI technical advice Harold Zwier

1.5   How to get started

The task of moving to electronic trading with Best & Less will involve a number of steps each of which must be completed before moving to the next step.

Step 1

Read through this implementation guide and check that your EDI software is able to send invoices to Best & Less, and that your software is able to receive a functional acknowledgement from Best & Less in response to each EDI document you send.

Step 2

Provide us with the details of your EDI mailbox and your Interchange ID so that an EDI trading partnership can be set up. Refer to Appendix A for further details.

Step 3

We need to ensure that when we receive your EDI invoices, we use product codes that are mutually understood. To this end we need to synchronize our respective product databases and therefore require you to provide us with an up to date and comprehensive list of the products we order from you and the barcodes or product codes by which they are known.

Step 4

Best & Less will receive a test EDI invoice from you and will send an EDI functional acknowledgement document in response. You will need to also FAX us a copy of the test invoice for verification purposes. Once we have established that the test invoice has been correctly received we will move to live processing which will eliminate the need for paper copies of invoices.

2 Sending EDI documents

2.1 What information Best & Less need in an invoice

The EDI invoice, document type 810, will need to contain your ABN, the words "Tax Invoice", an invoice date, invoice number, original purchase order number, one or more invoice lines including product code, quantity and price (excluding GST), additional charges, and finally an invoice total **including** GST and the total GST amount.

The invoice details should be exported from your accounts receivable software application. Your EDI software will then import the data and create the outgoing EDI document.

2.2 Acknowledgement of Invoices sent to Best & Less

Best & Less will send an EDI Functional Acknowledgement (FA), document type 997, each time an EDI invoice, document type 810, is received.

The purpose of the Functional Acknowledgement document is to provide confirmation by Best & Less of the receipt of the EDI mail. While the Functional Acknowledgement authenticates the technical correctness of the EDI mail, it does not verify the business information in the document. It only serves to confirm receipt of the EDI mail. This is analogous to Registered Mail being sent through Australia Post which requires a signature from the receiving party as a means of confirming that the mail has reached its destination.

2.3 Best & Less trading partner details

Best & Less use Telstra as their VAN (Value Added Network) for the transmission and receipt of EDI mail. The Telstra X400 network provides a gateway to other networks such as the GEIS (GE Information Service) and AT&T networks, to enable EDI mail to be sent and received transparently to and from trading partners on other networks.

When trading between the Telstra network and the GEIS network it is necessary to set up an interconnect and there is a one off cost for that interconnect. However, trading partners on the GEIS network who are already dealing with other trading partners on the Telstra network do not require a new interconnect.

All transmissions on the Telstra X400 network have an address header known as an X400 message header. Trading partners on the GEIS network do not need to know details of the X400 message header once the interconnect between Telstra and GEIS has been set up. However, users on the Telstra network or on other networks such as AT&T will need these details to send back Functional Acknowledgements to Best & Less.

Best & Less EDI details:

Best & Less Interchange ID: BESTANDLESS
Best & Less Application ID: BESTANDLESS

Best & Less X400 details:

```
S=bestless
ORG=interbus
PRMD=easicom
ADMD=otc
C=au
```

3   Technical details

3.1   Overview

The following sections outline the format of the EDI invoice document received by Best & Less and the Functional Acknowledgement sent to trading partners in response to the received document. All EDI documents are in the ANSI X12 format.

All EDI documents require an X12 envelope structure and the next section describes the structure and content of the envelope. Subsequent sections describe the invoice document received and the functional acknowledgement document sent by Best & Less:

810 VICS   Invoice

997 VICS   Functional acknowledgement

Each section describes the relevant segments and codes used or expected by Best & Less in sending and receiving EDI.

3.2   ANSI X12 envelope structure

This section describes the envelope segments of an X12 document. All X12 documents will contain these segments. The structure of an X12 document is described below. All envelope segments must be included in an EDI document:

Segment	Description
ISA	Interchange control header
GS	Functional group header
ST	Transaction set header
.	.
.	.
.	EDI document body
.	.
.	.
SE	Transaction set trailer
GE	Functional group trailer
IEA	Interchange control trailer

The interchange control structure is common to all the transaction sets.

3.2.1 ISA segment - Interchange control header

The ISA segment marks the start of an EDI document. It is matched by an IEA segment at the end of the document. Only one ISA segment appears in a document and it describes the trading partners involved in the transmission.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Authorization information qualifier	ID	2	2	M	Set to "00" - No authorization information present
2	Authorization Information	AN	10	10	M	Set to ten spaces
3	Security Information Qualifier	ID	2	2	M	Set to "00" - No security information present
4	Security Information	AN	10	10	M	Set to ten spaces
5	Interchange ID qualifier	ID	2	2	M	Set to "ZZ" - Mutually defined
6	Interchange sender ID	ID	15	15	M	Sender ID as mutually defined between sender and receiver.
7	Interchange ID qualifier	ID	2	2	M	Set to "ZZ" - Mutually defined
8	Interchange receiver	ID	15	15	M	Receiver ID as mutually defined between sender & receiver. For documents sent to Best & Less this will contain "BESTANDLESS " (NB. four trailing spaces)
9	Date	DT	6	6	M	The date the interchange was created in the sender's system in the form YYMMDD
10	Time	TM	4	4	M	Time of the interchange created (HHMM) in the sender's system; submit time. 24 hour clock
11	Interchange standards identifier	ID	1	1	M	Set to "U" - U.S. EDI Community of ASC X12
12	Interch. version ID	ID	5	5	M	Set to "00200"
13	Interchange control number	N	9	9	M	Uniquely identifies the interchange data to the sender. Use leading zeroes to fill out the 9 characters
14	Acknowledgement requested	ID	1	1	M	Set to "1" to request a functional acknowledgement response
15	Test indicator	ID	1	1	M	Set to "P" - Production (live) or "T" - Test transmission
16	Sub-element separator	AN	1	1	M	Set to ">". Field reserved for future expansion in separating data element subgroup

3.2.2 GS segment - Functional group header

The GS segment marks the start of a functional group. It is terminated by a GE segment at the end of the functional group. There can be more than one GS - GE functional group within a single EDI message. This will normally occur when the EDI message contains more than one EDI document (eg. an 810 invoice).

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Functional ID	ID	2	2	M	Set to "IN" for invoice
2	Application sender's code	ID	2	12	M	Unique code that identifies the sender.
3	Application receiver's code	ID	2	12	M	Unique code that identifies the receiver. The application ID for Best & Less is "BESTANDLESS"
4	Date	DT	6	6	M	Date of functional group in YYMMDD format
5	Time	TM	4	4	M	Expressed in 24 hour clock time in format HHMM
6	Group control number	N	1	9	M	Unique number originated and maintained by the sender
7	Responsible agency code	ID	1	2	M	Set to "X" - Accredited Standards Committee X12
8	Version	ID	1	12	M	Set to "002040VICS" - The version code of the EDI standard

3.2.3 ST segment - Transaction set header

The ST segment is the first segment of a transaction type such as an 810. It is terminated by an SE segment at the end of the transaction set. There can be more than one ST - SE transaction set within one functional group (GS - GE). In the case of a purchase order, the segments within one transaction set would describe one purchase order.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Transaction set identifier code	ID	3	3	M	Set to "810" for invoice
2	Transaction set control number	AN	4	9	M	Control number assigned by the originator of a transaction set. Must be unique within a functional group

3.2.4 SE segment - Transaction set trailer

The SE segment terminates the transaction set. The first sub-segment contains a count of all the segments within one transaction set including the ST and SE segments that start and end the transaction set. The count of segments is used for error checking purposes.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Number of included segments	N0	1	10	M	Total number of segments included in a transaction set including the ST and SE segments
2	Transaction set control number	AN	4	9	M	Identifying control number assigned by the originator for a transaction set. Same as ST 02

3.2.5 GE segment - Group control trailer

The GE segment terminates the functional group. It contains the number of transaction sets within the group and confirms the group control number. Both items of data are used for error checking.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Number of transaction sets	N0	1	6	M	Total number of transaction sets (ST - SE sets) included in this functional group
2	Group control number	N0	1	9	M	Assigned number originated and maintained by the sender. Same as GS 06

3.2.6 IEA segment - Interchange control trailer

The IEA segment terminates the EDI message. It contains a count of the number of functional groups in the message and repeats the interchange control number. Both items of data are used for error checking.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Number of included groups	N0	1	5	M	A count of the number of functional groups included in a transmission.
2	Interchange control number	N0	9	9	M	Code uniquely identifies the interchange data to the sender. Same as ISA 13

3.3 VICS 810 Invoice

Functional Group ID = IN

This section describes all of the segments used by Best & Less to receive an invoice document. Below is a summary of the segments and their positions within a transaction set:

Segment   Description

Heading segments

ST	Transaction set header	mandatory
BIG	Beginning segment for invoice	mandatory
NTE	Note/Special instructions	
REF	Reference numbers	
N1	Name	
ITD	Terms of sale/Deferred terms of sale (not used at present)	
FOB	F.O.B. Related instructions (not used at present)	

Detail segments

IT1	Baseline item data	
TXI	Tax information	
CTP	Pricing information	
ITA	Allowance, charge or service (not used at present)	

Summary segments

TDS	Total monetary value summary	
TXI	Tax information	
SAC	Service, promotion, allowance or charge information (not used at present)	
CTT	Transaction totals	mandatory
SE	Transaction set trailer	mandatory

3.3.1 ST segment - Transaction set header

Level: Heading
Usage: Mandatory

The ST segment is the first segment of the 810 invoice. It is terminated by an SE segment at the end of the transaction set. There can be more than one ST - SE transaction set within one functional group (GS - GE). The segments within one transaction set describe one invoice.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Transaction set identifier code	ID	3	3	M	Set to "810" for invoice
2	Transaction set control number	AN	4	9	M	Identifying control number assigned by the originator for a transaction set. Must be unique within a functional group

3.3.2 BIG segment - Beginning segment for invoice

Level: Heading
Usage: Mandatory

The BIG segment is the first segment of the invoice and includes the invoice number.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Invoice date	DT	6	6	M	Invoice issue date
2	Invoice number	AN	1	22	M	Identifying number assigned by issuer
3	Purchase order date	DT	6	6	O	Original purchase order date
4	Purchase order number	AN	1	22	O	Original purchase order number
5	Release number	AN	1	30	O	Number identifying a release against a purchase order (not used)
6	Order change sequence number	AN	1	8	O	Number assigned by the orderer (not used)
7	Transaction type code	ID	2	2	O	Code specifying the type of transaction (not used)

3.3.3   NTE segment - Notes/Special instructions

Level: Heading
Usage: Floating
To transmit a message in a free-form format for tax department purposes.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Message type code	AN	3	3	O	Code identifying the purpose for which notes applies: INV - Invoice instruction
2	Actual message text	AN	1	60	M	"TAX INVOICE" (required for GST purposes)

3.3.4   REF segment - Reference numbers

Level: Heading
Usage: Optional
To specify the ABN for tax department purposes.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Reference number qualifier	ID	2	2	M	Code qualifying the reference number: GT - Goods & service tax registration number
2	Reference number	AN	1	30	C	Australian Business No. (ABN) of the invoice sender

3.3.5   N1 segment - Name

Level: Heading
Usage: Optional
To identify the store to be billed for the supply of goods and the supplier code.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Entity identifier code	ID	2	2	M	Code identifying an organisational entity: BT - Bill-To party II - Invoice Issuer
2	Name	AN	1	35	C	Free-form name (not used)
3	Identificat. code qual.	ID	1	2	C	92 - Assigned by buyer (ie. Best & Less)
4	Identification code	ID	2	17	C	Code identifying the Best & Less store being invoiced (BT) and supplier code (II)

3.3.6 ITD segment - Terms of sale/Deferred terms of sale

Level: Heading
Usage: Optional (Not used at present)

To specify terms of sale including settlement discount.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Terms type code	ID	2	2	O	Code identifying type of payment terms: ZZ - Mutually defined
2	Terms basis date code	ID	1	2	O	Code identifying the beginning of the terms period 3 - Invoice date
3	Terms discount percentage	R	1	6	O	Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the terms discount due date (eg. 2.5 means 2.5%)
4	Terms discount due date	DT	6	6	C	Date payment is due if discount is to be earned (YYMMDD)
5	Terms discount days due	N0	1	3	C	Number of days in the terms discount period by which payment is due if terms discount is earned
6	Terms net due date	DT	6	6	O	Date when total invoice amount becomes due
7	Terms net days	N0	1	3	O	Number of days until total invoice amount is due
8	Terms discount amount	N2	1	10	O	Total amount of terms discount (eg. 2500 means $25.00 - total amount in cents)

3.3.7 FOB segment - F.O.B. Related instructions

Level: Heading
Usage: Optional (Not used at present)

To specify transportation instructions relating to shipment.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Shipment method of payment	ID	2	2	M	Code identifying payment terms for transportation charges: MX - Mixed
2	Location qualifier	ID	1	2	C	Code identifying type of location: DE - Destination (Shipping)
3	Description	AN	1	80	O	A free-form description to clarify the related data elements and their content

3.3.8   IT1 segment - Baseline item data (Invoice)

Level: Detail
Usage: Optional

To specify the basic and most frequently used line item data for the invoice and related transaction.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Assigned identification	AN	1	11	O	Invoice line number (increment for each invoice line starting with 1) - Not required
2	Quantity invoiced	R	1	10	M	Number of units invoiced (supplier units)
3	Unit or basis for measurement code	ID	2	2	M	Code specifying the units in which a value is being expressed (EA - Each)
4	Unit price	R	1	14	M	Price per unit of product (excluding GST)
5	Basis of unit price code	ID	2	2	O	Code identifying the type of unit price for an item - Not used
6	Product/Service ID qualifier	ID	2	2	O	Code for the type of product code used in IT1 07 SK - SKU VN - Vendor product code EN - EAN barcode
7	Product/Service ID	AN	1	30	C	Product code qualified by IT1 06

3.3.9   TXI segment - Tax information

Level: Detail
Usage: Optional

To specify the tax information.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Tax type code	ID	2	2	M	Code specifying the type of tax: GS - Goods and services tax
2	Monetary amount	R	1	15	O	Monetary amount - GST component of this invoice line
3	Percent	R	1	10	O	Tax percentage (eg. 10 means 10%)

3.3.10 CTP segment - Pricing information

Level: Detail
Usage: Optional (not used at present)

Used to transmit the extended line value (price x quantity) including & excluding GST.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Class of trade code	ID	2	2	O	Code indicating class of trade - Not used
2	Price identifier code	ID	3	3	O	Code identifying pricing specification: INV - Extended line price **excluding** GST TOT - Extended line price **including** GST
3	Unit price	R	1	14	O	Extended line price

2 CTP segments should be included for each detail line so that the extended line total is transmitted for both GST exclusive and inclusive amounts.

eg.
CTP**INV*35.5
CTP**TOT*39.05

3.3.11 ITA segment - Allowance, charge or service

Level: Detail
Usage: Optional (not used at present)

To specify allowances, charges or services applying to a purchase order line.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Allowance or charge indicator	ID	1	1	M	Code which indicates an allowance or charge for the service specified: A - Allowance C - Charge
2	Agency qualifier code	ID	2	2	C	Code identifying the agency assigning the code values - not used
3	Special services code	AN	2	10	C	Code identifying the service, promotion, allowance, or charge - not used
4	Allowance or charge method of handling code	ID	2	2	M	Code indicating method of handling for an allowance or charge - not used
5	Allowance or charge number	AN	1	16	O	The number assigned by a vendor referencing an allowance promotion deal or charge - not used
6	Allowance or charge rate	R	1	9	O	Allowance or charge rate per unit - not used
7	Allowance or charge total amount	N2	1	9	O	Total amount for the allowance or charge in cents (eg. 2500 means $25.00)
8	Allowance or charge percent qualifier	ID	1	1	O	Code indicating on what basis allowance or charge percent is calculated - not used
9	Allowance or charge percent	R	1	6	O	Allowance or charge expressed as a percent - not used
10	Allowance or charge quantity	R	1	10	C	Quantity basis when allowance or charge quantity is different from the purchase order quantity - not used
11	Unit or basis for measurement code	ID	2	2	C	Code specifying the units in which a value is being expressed or manner in which a measurement has been taken - not used
12	Quantity	R	1	10	O	Quantity - not used
13	Description	AN	1	80	O	A free-form description for the allowance or charge
14	Special charge or allowance code	ID	3	3	C	Code identifying type of special charge or allowance - not used

3.3.12 TDS segment - Total monetary value summary

Level: Summary
Usage: Mandatory

To specify the total invoice amount, discounted amount and discount.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Total invoice amount	N2	1	10	M	Amount in cents of invoice before terms discount inclusive of GST (eg. 25150 means $251.50).
2	Amount subject to terms discount	N2	1	10	O	Amount in cents including GST on which the terms discount is calculated (set if different to TDS 01)
3	Discounted amount due	N2	1	10	O	Amount of invoice in cents including GST due if paid by terms discount due date
4	Terms discount amount	N2	1	10	O	Total amount of terms discount in cents including GST

3.3.13 TXI segment - Tax information

Level: Summary
Usage: Optional (required by Best & Less)

To specify the tax information.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Tax type code	ID	2	2	M	Code specifying the type of tax: TX - All taxes - Total GST for this invoice
2	Monetary amount	R	1	15	O	Monetary amount - Total GST component of this invoice
3	Percent	R	1	10	O	GST Percentage expressed as a decimal (eg. 10 means 10%)

3.3.14 SAC segment - Allowance, charge or service

Level: Summary
Usage: Optional (not currently used)

To specify allowances, charges or services applying to the whole purchase order.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Allowance or charge indicator	ID	1	1	M	Allowance or charge code: A - Allowance C - Charge
2	Service, promotion, allowance, or charge code	ID	4	4	C	Code identifying the allowance, or charge: D240 - Freight
3	Agency qualifier code	ID	2	2	C	Not used
4	Agency service, promotion, allowance or charge code	AN	1	10	C	Not used
5	Allow/Charge amount	N2	1	15	O	Amount in cents exclusive of GST (eg. 2500 means $25.00)
6	Allowance or charge % qualifier	ID	1	1	C	Code indicating on what basis allowance or charge percent is calculated - not used
7	Percent	R	1	6	C	Not used
8	Rate	R	1	9	O	Not used
9	Unit or basis for measurement code	ID	2	2	C	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken - not used
10	Quantity	R	1	15	C	Numeric value of qty (used to indicate the qty to which the amount in SAC 05 applies) - not used
11	Quantity	R	1	15	O	Numeric value of qty (used only if SAC 10 is used. SAC 10/11 can be used together to specify a quantity range)
12	Allow./charge method of handling code	ID	2	2	O	Code indicating method of handling for an allowance or charge - not used
13	Reference number	AN	1	30	C	Not used
14	Option number	AN	1	20	O	Unique no. identifying available promotion/allowance options when more than one is offered - not used
15	Description	AN	1	80	O	A free-form description to clarify the related data elements and their content

eg.
SAC*C*D240*1000**********FREIGHT** ($10 freight charge exclusive of GST)

3.3.15 CTT segment - Transaction totals

Level: Summary
Usage: Mandatory

To transmit a hash total for a specific element in a transaction set.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Number of line items	N0	1	6	M	Total number of IT1 segments in the transaction set

3.3.16 SE segment - Transaction set trailer

Level: Summary
Usage: Mandatory

To indicate the end of the transaction set and provide the count of the transmitted segments in the transaction set (including the beginning (ST) and ending (SE) segments).

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Number of included segments	N0	1	10	M	Total number of segments included in a transaction set including the ST and SE segments
2	Transaction set control number	AN	4	9	M	Identifying control number assigned by the originator for a transaction set. Same as ST 02

3.4   VICS 997 Functional Acknowledgement

Functional Group ID = FA

This section describes all of the segments to be sent by Best & Less in a functional acknowledgement (FA) document sent in response to the receipt of an 810 invoice document. An FA will be sent in response to all documents received by Best & Less (except FA documents). Below is a summary of the segments and their positions within a transaction set:

Segment   Description

Heading segments

ST	Transaction set header	mandatory
AK1	Functional group response	mandatory
AK2	Transaction set response header	
AK5	Transaction set response trailer	
AK9	Functional group response	mandatory

Summary segments

SE	Transaction set trailer	mandatory

3.4.1   ST segment - Transaction set header

Level: Heading
Usage: Mandatory

The ST segment is the first segment of the 997 functional acknowledgement. It is terminated by an SE segment at the end of the transaction set. There can be more than one ST - SE transaction set within one functional group (GS - GE). The segments within one transaction set describe one functional acknowledgement.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Transaction set identifier code	ID	3	3	M	Set to "997" for functional acknowledgement
2	Transaction set control number	AN	4	9	M	Identifying control number assigned by the originator for a transaction set. Must be unique within a functional group

3.4.2   AK1 segment - Functional group response

Level: Heading
Usage: Mandatory

To start acknowledgement of a functional group. This segment identifies the original document.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Functional identifier code	ID	2	2	M	Code of the document being acknowledged IN - Invoice
2	Group control number	N0	1	9	M	This is the group control number in the document being acknowledged (GS 06 in the original IN document)

3.4.3   AK2 segment - Transaction set response header

Level: Heading
Usage: Optional

To start acknowledgement of a transaction set. This segment identifies the original document.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Transaction set identifier code	ID	3	3	M	Transaction set document type being acknowledged 810 - Invoice (ST 01 in the original document)
2	Transaction set control number	AN	4	9	M	Number identifying the transaction set being acknowledged (ST 02 in the original document).

3.4.4   AK5 segment - Transaction set response trailer

Level: Heading
Usage: Mandatory (if an AK2 segment is present)

To acknowledge the acceptance or rejection of the transaction set specified in AK2 and to report errors.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Transaction set acknowldgement code	ID	1	1	M	Code indicating acceptance or rejection: A - Accepted, E - Accepted but errors were noted, R - Rejected, X - Rejected because of content errors
2	Transaction set syntax error code	ID	1	3	O	1 - Transaction set not supported 2 - Transaction set trailer missing 3 - Trans. set control no. in header & trailer don't match 4 - No. of included segments doesn't match actual count 5 - One or more segments in error
3	Transaction set syntax error code	ID	1	3	O	Codes as per AK5 02 (but no code may be repeated)
4	Transaction set syntax error code	ID	1	3	O	Codes as per AK5 02 (but no code may be repeated)
5	Transaction set syntax error code	ID	1	3	O	Codes as per AK5 02 (but no code may be repeated)
6	Transaction set syntax error code	ID	1	3	O	Codes as per AK5 02 (but no code may be repeated)

3.4.5 AK9 segment - Functional group response

Level: Heading
Usage: Mandatory

To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group.

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Functional group acknowledgement code	ID	1	1	M	Code indicating acceptance or rejection of the document being acknowledged A - Accepted E - Accepted/ Errors noted M - Rejected P - Partially Accepted R - Rejected X - Rejected
2	Number of transaction sets included	N0	1	6	M	Total number of transaction sets (number of ST segments) included in the functional group being acknowledged by this FA
3	Number of received transaction sets	N0	1	6	M	Number of transaction sets received in the functional group being acknowledged
4	Number of accepted transaction sets	N0	1	6	M	Number of accepted transaction sets in the functional group being acknowledged
5	Functional group syntax error code	ID	1	3	O	Code indicating error found based on the syntax editing of the functional group header and/or trailer 1 - Functional group not supported 2 - Functional group version not supported 3 - Functional group trailer missing 4 - Group control no. in the functional group header & trailer do not agree 5 - No. of incl. trans. sets does not match actual count
6	Functional group syntax error code	ID	1	3	O	Same codes as AK9 05
7	Functional group syntax error code	ID	1	3	O	Same codes as AK9 05
8	Functional group syntax error code	ID	1	3	O	Same codes as AK9 05
9	Functional group syntax error code	ID	1	3	O	Same codes as AK9 05

3.4.6   SE segment - Transaction set trailer

Level: Summary
Usage: Mandatory

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Field #	Element Name	Type	Min Len.	Max Len.	Req	Codes & Comments
1	Number of included segments	N0	1	10	M	Total number of segments included in a transaction set including the ST and SE segments
2	Transaction set control number	AN	4	9	M	Identifying control number assigned by the originator for a transaction set. Same as ST 02

Appendix A

Request by a supplier to start EDI trading with Best & Less

To initiate the setting up of a Trading Partnership between your company and Best & Less, please provide us with the details of your EDI mailbox, your Interchange ID and other details as shown in the FAX template on the next page. Then FAX the details to John Niemeyer, EDI manager at Best & Less on (02) 9569 4187.

Best & Less use Telstra as their VAN (Value Added Network - service provider) for the transmission and receipt of EDI mail. If Telstra is not your EDI service provider then you will need to contact your EDI service provider and arrange for them to setup the necessary connections to allow you to trade with Best & Less. Those trading partners already on the Telstra network will *not* need Telstra's assistance to start trading with Best & Less.

Please note: when trading between the Telstra network and the GEIS network it is necessary to set up an interconnect and there is a one off cost for that interconnect. However, trading partners on the GEIS network who are already dealing with other trading partners on the Telstra network do not require a new interconnect. In either case GEIS will need to be contacted to set up the trading partnership to Best & Less.

All transmissions on the Telstra X400 network have an address header known as an X400 message header. Trading partners on the GEIS network do not need to know details of the X400 message header once the interconnect between Telstra and GEIS has been set up. However, users on the Telstra network or on other networks such as AT&T will need these details to send EDI invoices to Best & Less.

Best & Less EDI details in an EDI document sent to Best & Less:

Interchange ID qualifier (ISA 07)	ZZ
Interchange ID (ISA 08):	BESTANDLESS
Interchange standards ID (ISA 11)	U
Interchange version ID (ISA 12)	00200
Application ID (GS 03):	BESTANDLESS
Responsible agency code (GS 07)	X
Version (GS 08)	002040VICS

Best & Less X400 details:

S=bestless
ORG=interbus
PRMD=easicom
ADMD=otc
C=au

Best & Less

Fax this form to initiate the setting up of an EDI trading partnership:
Send to Best & Less FAX number: (02) 9569 4187

To: John Niemeyer (Ph. [02] 9560 5677)
                EDI Manager   (Fax.[02] 9569 4187)

From: . . . .

Company: . . . .

Position: . . . .

Your TEL no.:   . . . .

Your FAX no.:   . . . .

Your EDI details:

EDI network: . . . .

Interchange ID: . . . .

Application sender's ID: . . . .
(usually the first 12 characters of the interchange ID)

Your X400 address details (only required if GEIS is not your service provider):

S = ... (EDI mailbox name)
ORG = ... (eg. access, tradelink, interbus, etc.)
PRMD = ... (eg. easicom, tl400, globalec, etc.)
ADMD = ... (eg. otc, stirling, etc.)
C = ... (eg. au, us, etc.)

Signed: . . . .

Name: . . . .

Date: . . . .

Appendix B

Examples of EDI documents to be sent to Best & Less:

X400 header:

```
ID: Purchase orders from Best & Less
TO: S=bestless/ORG=interbus/PRMD=easicom/ADMD=otc/C=au
FR: S=supplierco/ORG=tradelink/PRMD=tl400/ADMD=otc/C=au
SU: EDI          010625142029
IM: normal
BP: DX
^B
```

EDI document envelope:

```
ISA*00*                 *00*                    *ZZ*SUPPLIERCO
*ZZ*BESTANDLESS    *010625*1306*U*00200*000000014*0*P*>
GS*IN*SUPPLIERCO*BESTANDLESS*010625*1306*8*X*002040VICS
ST*810*1001
.
.
.
.
SE*16*1001
GE*1*8
IEA*1*000000014
```

NB. The ISA segment is spread over 2 lines because of
    insufficient space on the first line.

EDI 810 invoice:

```
ST*810*1004
BIG*010625*723945*010514**354TT891U
NTE*INV*TAX INVOICE
REF*GT*17 596 378 921
N1*BT**92*34
N1*II**92*KRIEG
ITD*ZZ*3*2.5*010521*7*010531**3760
IT1*1*32*EA*35.5**EN*9399999000012
TXI*GS*113.6*10
CTP**INV*1136
CTP**TOT*1249.6
IT1*2*25*EA*15**EN*9399999000726
TXI*GS*37.5*10
CTP**INV*375
CTP**TOT*412.5
TDS*167310
TXI*TX*152.1
SAC*C*D240***1000*********FREIGHT
CTT*2
SE*20*1004
```

****