



B2B Business Document Definition Implementation Guide

Debit Note (TRADACOMS – CREHDR)

Version 1.02, 25th February 2011

1 CONTENTS

1	CONTENTS	2
2	INTRODUCTION	3
2.1	DOCUMENT PURPOSE & USE	3
2.2	EDI COMMUNICATION & TRANSMISSION	3
2.3	M&S EDI BUSINESS DOCUMENT DEFINITION	3
2.4	TRADACOMS STANDARD	4
2.5	MESSAGE FLOWS	4
2.6	INTERFACE DEFINITIONS	5
2.7	ASSURING YOUR IMPLEMENTATION	6
2.8	M&S ELECTRONIC TRADING SOLUTION SUPPORT	6
3	MESSAGE DEFINITION	7
3.1	MESSAGE DATA FLOW SUMMARY	7
3.2	MESSAGE USE-CASES	7
3.3	MESSAGE SPECIFICATION REFERENCE GUIDE	7
3.4	MESSAGE DEFINITION GUIDE	8
3.4.1	TRADACOMS Interchange Header	8
3.4.2	TRADACOMS Business Document Definition	8
3.4.3	TRADACOMS Interchange Trailer	15
3.4.4	TRADACOMS Batch Trailer	16
3.5	GUIDANCE NOTES	17
3.5.1	Debit Note Reason Code	17
4	COMPLIANCE TESTING	18
4.1	TEST CASES	18
4.1.1	DN_CREHDR_001	18
5	UNDERSTANDING TRADACOMS	19
5.1	WHAT IS TRADACOMS?	19
5.2	TRADACOMS MESSAGE STRUCTURE	19
5.2.1	Segments and Segment Groups	19
	EXAMPLE TRADACOMS MESSAGE	21
5.2.2	Debit Note Example 1	21
5.2.3	Debit Note Example 2	21
6	VERSION CONTROL	23

2 INTRODUCTION

2.1 Document Purpose & Use

For the implementation of the M&S EDI business documents (messages) we have provided an Implementation Guide to help you through your adoption of the M&S B2B EDI solution.

Provided for you is the Implementation Guide itself detailing the EDI messages and the business context and the circumstances in which they will be passed between yourself and M&S.

Also provided for you is the EDI Business Document Definition; this definition specifies the structure and content of the EDI message that M&S will exchange with you. At M&S we have adopted an Industry compliant EDI data standard to ensure ease of adoption for our Trading Partners. The standard adopted is TRADACOMS and forms the basis of our Business Document Definitions.

In addition we have provided a Testing Compliance Specification, along with example testing files to ensure that your implementation is successful and compliant with what M&S will expect to exchange with you.

Together this information, the Implementation Guide, the Business Document Definition, and the Testing Compliance specification, will provide you with all the information that you need to successfully and smoothly transition onto the M&S B2B EDI solution.

2.2 EDI Communication & Transmission

The M&S B2B EDI solution will enable M&S and you as a Trading Partner of ours to implement a fully automated, end-to-end B2B EDI solution.

This solution is supported for trading partners who have an existing EDI solution, or, who are transitioning to an EDI solution, and can send and receive the EDI messages into their business systems.

We have partnered with GXS to provide a leading-class B2B solution that enables us to seamlessly exchange business documents with you. The following diagram provides a high-level summary to this solution:



2.3 M&S EDI Business Document Definition

M&S have adopted the TRADACOMS standard for its B2B EDI messages; all EDI messages sent and received must be encoded with this data standard as detailed in section [EDI Business Document Definition](#).

Each of the specified Business Documents (or EDI messages) is defined by the Business Document Definitions, and forms the “data contract” between M&S and you our Trading Partner – as defined within this document.

The Business Document Definition provides you with the following information:

- ❖ The TRADACOMS data object to be utilised for each Business Document
- ❖ The TRADACOMS message segments and elements within those to be transmitted as part of any data exchange
- ❖ Implementation rules for each of the segments and elements

- ❖ The business definition of each element to be used
- ❖ The elements that are mandatory and those which are optional i.e. may NOT be passed
- ❖ The format of the data to be passed for each element

As part of your transition process onto the M&S B2B solution, GXS, our partner for this solution will assist you with any queries you may have regarding this implementation guide and Business Document Definition itself, or your implementation of those definitions. .

2.4 TRADACOMS Standard

M&S specify that for EDI communication either the EANCOM or TRADACOM* standard MUST be utilised as the supported data standard and therefore MUST be supported by the Trading Partner (either directly or through 3rd party service).

For all new EDI Trading Partners to M&S, it is expected that TRADACOMS will be utilised. Trading Partners whom have existing EDI with M&S these communications will continue to be supported regardless of the information standard utilised. Where the opportunity provides it these non-supported information standards MUST be migrated to the TRADACOMS standard.

The definition of support is as follows:

- ❖ Any information exchange MUST relate to an TRADACOMS defined data model as listed by current TRADACOMS Syntax
- ❖ Any data model utilised MUST conform to the TRADACOMS definition both schematically i.e. structure and semantically i.e. data format. This includes use of mandatory segments and elements, and adhering to data types and data representations
- ❖ Business level responses MUST be agreed to by M&S and the each Trading Partner and will be specified as part of the MS Message Implementation Guide (this document). Where utilised they MUST align to those specified by the TRADACOMS standard e.g. ORDERS and DLCHDR.

*Note – TRADACOM message standard is available to Foods suppliers ONLY. Certain elements are an M&S interpretations of the Tradacoms standard.

2.5 Message Flows

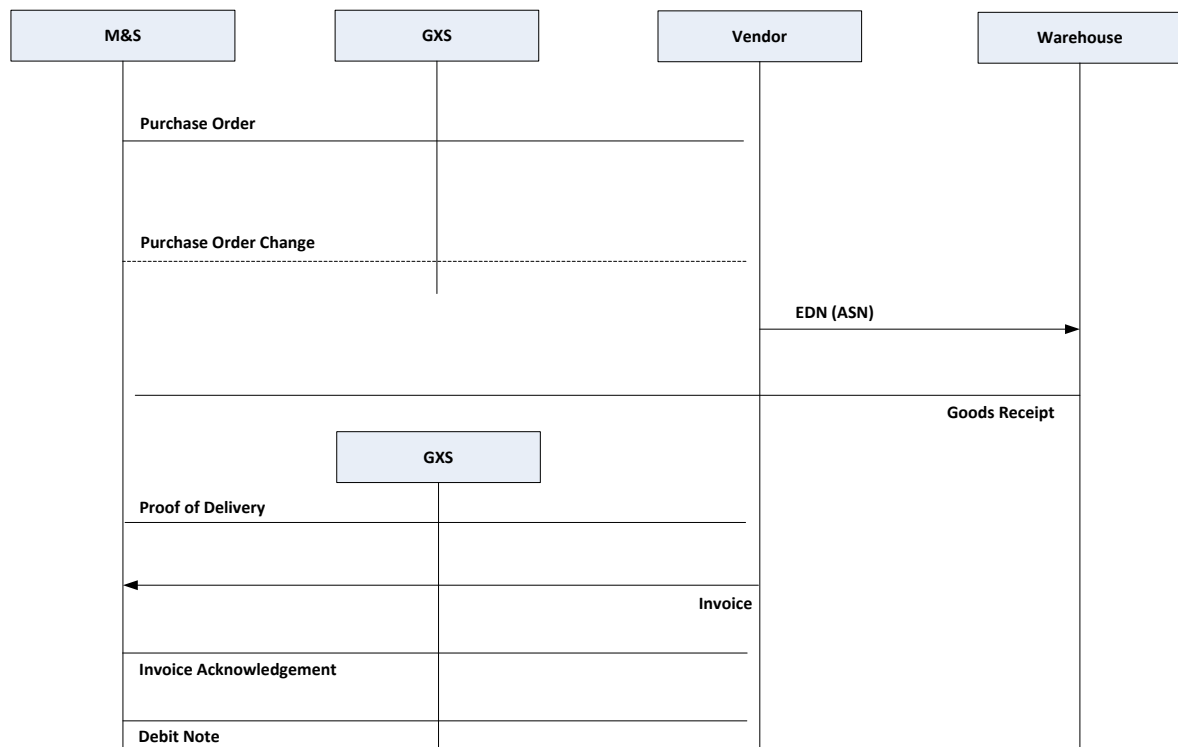
M&S has enabled electronic messages for its “buy” part of its supply chain. As part of the M&S to supplier trading process, as of the date of this Message Implementation Guide, M&S will utilise the following business documents for its Supplier Trading Partner transactions:

- ❖ Purchase Orders & Purchase Order Amendments
The purchase order will represent the formal commitment to buy. The original purchase order may be followed by subsequent updates via the Purchase Order Amendment document.
- ❖ POD (Proof of Delivery)
The proof of delivery will notify the suppliers of the actual quantities received by M&S. Suppliers should submit invoices based on these POD quantities.
- ❖ Invoices
Invoices for received Purchase Orders may be sent using the Invoice business document
- ❖ Invoice Acknowledgement
All invoices sent to M&S will be acknowledged. The acknowledgement will provide indication to the M&S processing success or failure. Where the Invoice was not successfully processed it MUST be resubmitted with the required changes.
- ❖ Credit / Debit Notes
Credit / Debit notes will support adjustments to invoiced amounts where there are mis-matches between the Invoice and goods receipted.

For Food suppliers, all messages will be available in both EANCOM and TRADACOM standard.

In addition to the EDI messages being exchanged above, Food Chilled suppliers have been asked to implement the PAV (pick accuracy verification) system and processes, using RFID. Some Food suppliers may already be using PAV. To support the changes we are making, the PAV messages (delivery note messages) will also need to be updated by Food suppliers.

The following provides reference to the information exchanges detailed:



2.6 Interface Definitions

The following provides reference and explanation to the interface definitions:

Property	Explanation
Communication Direction	Details the direction in which the information will be transmitted: M&S to 3rd Party – M&S will be the sender of the data 3rd Party to M&S – M&S will be the receiver of the data
TRADACOMS Document Name	The business name of the TRADACOMS document to be used as part of the information exchange
TRADACOMS Document Version	The version of the business document to be used
Document Scope	The scope of the data to be passed as part of the information exchange. This will be either Full Record. All data elements associated to the business document will be passed regardless of whether those elements have changed. Changed Elements Only. Only the key elements and those which have changed will be transmitted.
Transmission Frequency	The frequency of when the business documents will be sent and expected to be received Real-time. A document will be sent and processed end-to-end in real-time, or near real-time Daily. Any document sent or received by M&S will be once per day. If

<i>Property</i>	<i>Explanation</i>
	more than 1 document is sent or received during that daily period, all documents will done so at the same time
Data Object Definition Reference	Reference to the data object definition within the Information Exchange Data Definition Document.

2.7 Assuring your implementation

Once you have finalised your implementation of the M&S Business Document Definition, GXS will be on-hand to test both compliance of your implementation, along with ensuring that you can successfully connect to your secure mailbox. GXS will work with you to ensure your on-boarding is a success and resolve and issues you encounter with your implementation.

Once these final checks and testing have been completed you will be ready to start exchanging EDI messages with M&S electronically and soon start realising the benefits of using our electronic trading solution.

2.8 M&S Electronic trading solution Support

During the exchange of business documents between M&S and yourself there may be circumstances where the documents are not successfully transmitted, or the data received is not accepted / compliant to that which is expected by either of our systems.

Where business documents failed to be processed by M&S, we will notify you immediately either through automated acknowledgements detailing what the technical or data problem was, or via our business support team who will contact your designated business representative.

If you encounter any problems receiving business documents from M&S, you can contact our support service.

3 MESSAGE DEFINITION

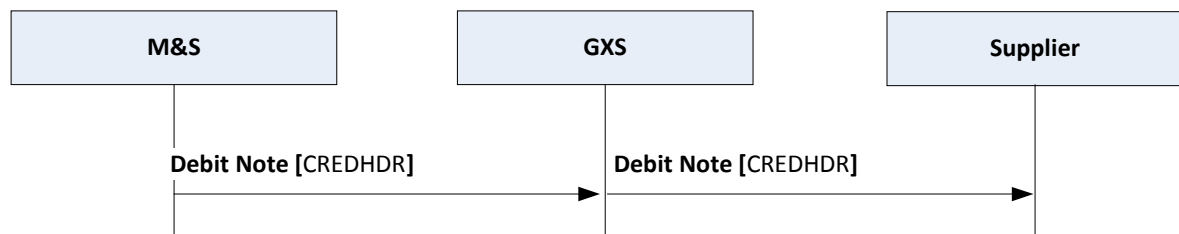
The sections that follow detail the specification of the business document that is the subject of this Message Implementation Guide that M&S will support for electronic information exchange.

3.1 Message Data Flow Summary

The Debit Note EDI Business Document will provide all details necessary to indicated to the supplier what debits are applicable and when payment is required. As detailed by the definition in this section, the Debit Note will contain:

- ❖ General information about the buyer and supplier including unique identifiers
- ❖ Debit Note reference information
- ❖ Debit Note line details
- ❖ VAT information
- ❖ Reason for the Debit / Credit Note i.e. discrepancy between Invoice and Goods Received values

For every Debit Note created the full set of order records will be transmitted.



3.2 Message Use-Cases

The Debit Note message will be used for the following:

- ❖ Debit Note

M&S will send you, the trading partner a Debit Note business document with a document code of "0720" – Debit Notes Only. This business document provides detail debited amounts.

3.3 Message Specification Reference Guide

The following table provides summary detail to this business document – trading partner must ensure that the correct version of the TRADACOMS message template is used for its implementation.

<i>Property</i>	<i>Value</i>
Communication Direction	M&S to Trading Partner
TRADACOMS Document Name	Debit Note
TRADACOMS Document	CREDHDR
TRADACOMS Document Version	9
Document Scope (Full Record/Changed Elements Only)	Full Record
Transmission Frequency	Daily

3.4 Message Definition Guide

3.4.1 TRADACOMS Interchange Header

Every TRADACOMS message will require a TRADACOMS Interchange Header. The interchange MAY contain one or more TRADACOMS messages of the same type.

This segment is used to envelope the interchange, as well as to identify both, the party to whom the interchange is sent and the party who has sent the interchange. The principle of the STX segment is the same as a physical envelope which covers one or more letters or documents, and which details, both the address where delivery is to take place and the address from where the envelope has come. The Interchange Header is defined in the table that follows:

Chg	Segment	Field Ref	Ref No.	Field Length	Description	Min-Max	Example Value	Notes
N	STX				INTERCHANGE HEADER	1-1		
N		STDS			Syntax Rules	1-1		
N			1	4	Syntax identifier	1-1	ANA	
N			2	1	Syntax Number	1-1	1	
N		FROM				1-1		
N			1	13	Mailbox number	1-1	5012068025502	
N			2	35	Name	1-1	Marks and Spencer PLC	
N		UNTO				1-1		
N			1	13	Recipient mailbox / identifier	1-1		Supplier Party Id
N			2	35	Recipient name	1-1		Supplier Party Name
N		TRDT				1-1		
N			1	6	File creation date	1-1	100525	YYMMDD
N			2	6	File creation time	1-1	145209	HHMMSS
N		SNRF				1-1		
N			1	14	Senders reference	1-1		
N		APRF				1-1		
N			1	14	Application reference	1-1	DNINVOIC	

An example of the Interchange header is provided in section 5.3 Example TRADACOMS Message

3.4.2 TRADACOMS Business Document Definition

The Debit Note message is implemented using the TRADACOMS CREHDR data template. The M&S usage of that template is defined below:

Chg	Segment	Field Ref	Ref No.	Field Length	Description	Min-Max	Example Value	Notes
N	MHD				Message header	1-1		
N		MSRF			Message Reference	1-1		

Chg	Segment	Field Ref	Ref No.	Field Length	Description	Min-Max	Example Value	Notes
N			1	12	Message identifier	1-1	1	
N		TYPE			Type of Message	1-1		
N			1	6	Message type	1-1	CREHDR	
N			2	1	Version number	1-1	9	
N	TYP				TRANSACTION TYPE DETAILS	1-1		
N		TCDE			Transaction code			
N			1	4	Transaction code		0720	0720 - Debit Notes Only
N	SDT				SUPPLIER DETAILS	1-1		
N		SIDN			Supplier identity	1-1		
N			2	17	Supplier code	1-1		Supplier's Identity Allocated by M&S
N		SNAM			Supplier Name	0-1		
N			1	40	Supplier's Name	0-1		
N		SADD				0-1		
N			1	35	Supplier's Address Line 1	0-1		
N			2	35	Supplier's Address Line 2 (City)	0-1		
N			3	35	Supplier's Address Line 3 (County)	0-1		
N			4	35	Supplier's Address Line 4 (Country)	0-1		
N			5	8	Supplier's Post Code	0-1		
N		VATN			Supplier's VAT Registration Number			
N			2	17	Alphanumeric VAT Registration Number	0-1		
Y	CDT	CIDN			M&S identity	1-1		
Y			2	17	M&S Code	1-1	1000	M&S internal identifier code
N		CNAM			M&S Name & Address	0-1		
N			1	40	Customer's Name	0-1	MARKS AND SPENCER PLC	
N		CADD			Customer's Address	0-1		
N			1	35	Customer's Address Line 1	0-1	North Wharf Road	
N			2	35	Customer's Address Line 2 (City)	0-1	London	City Name
N			3	35	Customer's Address Line 3 (County)	0-1		County Name
N			4	35	Customer's Address Line 4 (Country)	0-1	England	Country Name
N			5	8	Customer's Post Code	0-1	W2 3HJ	Post Code

Chg	Segment	Field Ref	Ref No.	Field Length	Description	Min-Max	Example Value	Notes
N		VATR			Customer's VAT Registration Number	0-1		
N			2	17	Alphanumeric VAT Registration Number	0-1	GB232128892	
N	DNA				Data narrative	0-N		
N		SEQA				1-1		
N			1	10	1st level sequence number	1-1	1	
N		GNAR				1-1		
N			1	40	General Narrative Line 1 - Duplicate indicator	0-1	THIS IS A DUPLICATE	
N	FIL				File information	1-1		
N		FLGN			Generation number	1-1		
N			1	4	File generation number	1-1		
N		FLVN			Version Number	1-1		
N			1	4	File version number	1-1	1	
N		FLDT			Date	1-1		
N			1	6	File creation date	1-1	100431	YYMMDD
N	MTR				Message trailer	1-1		
N		NOSG			Number of Segments	1-1		
N			1	10	Number of segments	1-1	7	
N	MHD				Message header	1-1		Debit / Credit Note Details
N		MSRF				1-1		
N			1	12	Message identifier	1-1		Incremental count of headers within the interchange
N		TYPE				1-1		
N			1	6	Message type	1-1	CREDIT	
N			2	1	Version number	1-1	9	
N	CLO				M&S LOCATIONS	1-1		
N		CLOC			Location information	1-1		
N			2	17	M&S buyer location code	1-1	M01000	Unique M&S site code
N	CRF				CREDIT NOTE REFERENCES	1-1		
N		CRNR			Credit Note Number	1-1		
N			1	17	Credit Note Number	1-1	CR-00000001	
N		CRDT			Credit Note Date	1-1		
N			1	6	Credit Note Date	1-1	100525	YYMMDD
N		TXDT			Tax-point Date	1-1		

Chg	Segment	Field Ref	Ref No.	Field Length	Description	Min-Max	Example Value	Notes
N			1	6	Tax-point Date	1-1	100525	YYMMDD
N	PYT				SETTLEMENT TERMS	1-1		
N		SEQA				1-1		
N			1	10	First Level Sequence Number	1-1		
N		PAYY			Settlement Terms	1-1		
N			1	3	Number of days	1-1	30	
			2	6	Settlement Discount Percentage	0-1	5.5	
N	OIR				ORIGINAL INVOICE REFERENCES	1-1		
N		SEQA				1-1		
N			1	10	First Level Sequence Number	1-1		
N		INVN			Invoice Number	1-1		
N			1	17	Invoice Number	1-1	IN000001	
N		ORNO			Order Number and Date			
N				17	Customer's Order Number	1-1	2010000543	M&S PO Number
N	CLD				CREDIT NOTE LINE DETAILS	1-N		
N		SEQA				1-1		
N			1	10	First Level Sequence Number	1-1	1	
N		SPRO			Supplier's Product Number	1-1		
N			2	30	EAN-13 Article Number for Traded Unit	0-1	08004231	This will initially be the M&S UPC product number
N		CPRO			Customer's Product Number	0-1		
N			2	30	Customer's Own Brand EAN Number	0-1	0000076341023	M&S internal product code
N		QTYC			Quantity Credited	1-1		
N			1	15	Number of Traded Units Invoiced	0-1	15	
N		UCRV			Unit Credit Value	1-1		Net Credited Unit Amount
N			1	14	Unit Credit Value	1-1	4.50	Amount before VAT
N		EXLV			Net Credit Value	1-1		
N			1		Net Credit Value	1-1	12.99	Amount before VAT - Net Price
N		VATC		14	VAT Rate Category Code	1-1		VAT Rate Category Code
N			1		VAT Rate Category Code	1-1	S	A = Mixed VAT rate item L = Lower rate S = Standard rate

Chg	Segment	Field Ref	Ref No.	Field Length	Description	Min-Max	Example Value	Notes
								Z = Zero rate)
N		VATP		1	VAT Rate Percentage	1-1		VAT Rate Percentage
N			1	6	VAT Rate Percentage	1-1	17.5	VAT Rate Percentage
N		CRRE			Reason for Credit	0-1		Reason for Credit
N			3	40	Credit Reason Description	0-1	Q	Values: Q P
N		MIXI			Mixed VAT Rate Product Indicator	0-1		
N			1	6	Mixed VAT Rate Product Indicator	0-1		Mixed VAT Rate Product Indicator
N		TDES			Traded Unit Description	0-1		
N			1	40	Traded Unit Description Line 1	0-1		
N			2	40	Traded Unit Description Line 2	0-1		
Y		UCRB			Total Gross Line Value	0-1		Gross Price after tax
Y			1	14	Total Gross Line Value (Net amount + VAT)	0-1	17.99	Total gross amount on the line (Total net + VAT)
N	DNB				Data narrative	0-N		Qty & Price Comparison Information
N		SEQA			First Level Sequence Number	1-1		
N			1	10	1st level sequence number	1-1	1	
N		SEQB			Second Level Sequence Number	1-1		
N			1	10	Second Level Sequence Number	1-1	1	
N		RTEX			Registered Text	0-1		
N			1	3	Registered application code	0-1	113	113 - GR Quantity
N			2	40	Application text - GR Quantity	0-1	100	
N			3	3	Registered application code	0-1	006	006 - Invoice Quantity
N			4	40	Application text - Invoice Quantity	0-1	110	
N			5	3	Registered application code	0-1	115	115 - PO Price
N			6	40	Application text - PO Price	0-1	11.99	
N			7	3	Registered application code	0-1	007	007 - Invoice Price
N			8	40	Application text - Invoice Price	0-1	11.99	

Chg	Segment	Field Ref	Ref No.	Field Length	Description	Min-Max	Example Value	Notes
N	DNB				Data narrative	0-N		Original PO Line Information
N		SEQA			First Level Sequence Number	1-1		
N			1	10	1st level sequence number	1-1	1	
N		SEQB			Second Level Sequence Number	1-1		
N			1	10	Second Level Sequence Number	1-1	1	
N		RTEX			Registered Text	0-1		
N			1	3	Registered application code	0-1	043	043 - Original Order Line No
N			2	40	Application text - Original Order Line No	0-1	00010	
N	CST				VAT RATE CREDIT SUB-TRAILER	1-1		
N		SEQA			First Level Sequence Number	1-1		
N			1	10	First Level Sequence Number	1-1		
N		VATC			VAT Rate Category Code	1-1		
N			1	1	VAT Rate Category Code	1-1	A	A = Mixed VAT rate item L = Lower rate S = Standard rate Z = Zero rate
N		VATP			VAT Rate percentage	1-1		
N			1	6	VAT Rate percentage	1-1	17.5	
N		NRIL			Number of Item Lines	1-1		
N			1	10	Number of Item Lines	1-1	4	
N		LVLA			Line Sub-Total Amount (before VAT)	1-1		
N			1	12	Line Sub-Total Amount (before VAT)	1-1		
N		EVLA			Extended Sub-Total Amount	1-1		
N			1	12	Extended Sub-Total Amount	1-1		Value before settlement discount has been applied
N		ASDA			Extended Sub-Total Amount	1-1		
N			1	12	Extended Sub-Total Amount	1-1		Value after settlement discount has been applied
N		VATA			VAT Amount Payable	1-1		
N			1	12	VAT Amount Payable	1-1		

Chg	Segment	Field Ref	Ref No.	Field Length	Description	Min-Max	Example Value	Notes
N		APSI				1-1		
N			1	12	Payable Sub-Total Amount	1-1		Value after settlement discount has been applied
N	CTR				CREDIT NOTE TRAILER	1-1		
N		NCST			Number of Total Segments	1-1		
N			1	10	Number of Total Segments	1-1		
N		LVLT			Lines Total Amount	1-1		Value before settlement discount has been applied
N			1	12	Lines Total Amount	1-1		Value before settlement discount has been applied
N		EVLTL			Total Extended Amount	1-1		
N			1	12	Total Extended Amount	1-1		Value before settlement discount has been applied
N		ASDT			Total Amount	1-1		
N			1	12	Total Amount	1-1		Value after settlement discount has been applied
N		TVAT			Total VAT Amount Payable	1-1		
N			1	12	Total VAT Amount Payable	1-1		
N		TPSI			Total Payable (after settlement discount)	1-1		
N			1	12	Total Payable	1-1		Value after settlement discount
N	MTR				Message trailer	1-1		
N		NOSG			Number of Segments	1-1		
N			1	10	Number of segments	1-1		
N	MHD				MESSAGE HEADER	1-1		VAT Trailer
N		MSRF			Message Reference	1-1		
N			1	12	Message identifier	1-1	1	
N		TYPE			Type of Message	1-1		
N			1	6	Message type	1-1	VATTRL	
N			2	1	Version number	1-1	9	

Chg	Segment	Field Ref	Ref No.	Field Length	Description	Min-Max	Example Value	Notes
N	VRS					1-N	1 Instance per VAT Rate	
N		SEQA			First Level Sequence Number	1-1		
N			1	10	First Level Sequence Number	1-1		
N		VATC			VAT Rate Category Code	1-1		
N			1	1	VAT Rate Category Code	1-1	S	A = Mixed VAT rate item L = Lower rate S = Standard rate Z = Zero rate
N		VATP			VAT Rate percentage	1-1		
N			1	6	VAT Rate percentage	1-1	17.5	
N		VSDE			File Sub-Total Amount	1-1		
N			1	12	File Sub-Total Amount	1-1		Amount before settlement discount
N		VSDI			File Sub-Total Amount	1-1		
N			1	12	File Sub-Total Amount	1-1		Amount after settlement discount
N		VVAT			File VAT Sub-Total	1-1		
N			1	12	File VAT Sub-Total	1-1		
N		VPSI			File Sub-Total Payable	1-1		After settlement discount
N			1	12	File Sub-Total Payable	1-1		Value after settlement discount
N	MTR				Message trailer	1-1		
N		NOSG			Number of Segments	1-1		
N			1	10	Number of segments	1-1		

An example of the Interchange detail is provided in section 5.3 Example TRADACOMS Message

3.4.3 TRADACOMS Interchange Trailer

Every TRADACOMS message will require a TRADACOMS Interchange Trailer. The Interchange Trailer is defined in the table that follows:

Chg	Segment	Field Ref	Field No.	Field Length	Description	Min-Max	Example Value	Notes
N	MHD				MESSAGE HEADER	1-1		Invoice Trailer
N		MSRF			Message Reference	1-1		

N			1	12	Message identifier	1-1	1	
N		TYPE			Type of Message	1-1		
N			1	6	Message type	1-1	CRETLR	
N			2	1	Version number	1-1	9	
N	TOT				Invoice Trailer	1-1		
N		FASE			File Total Amount	1-1		
N			1	12	File Total Amount	1-1		Amount before VAT and settlement discount
N		FASI			File Total Amount	1-1		
N			1	12	File Total VAT Amount	1-1		Amount before VAT but after settlement discount has been applied
N		FVAT			File Total VAT Amount	1-1		
N			1	12	File Total VAT Amount	1-1		
N		FPSI			File Total Payable	1-1		
N			1	12	File Total Payable	1-1		Amount after settlement discount has been applied
N		FTNI			File Total Number of Invoice Messages	1-1		
			1	10	File Total Number of Invoice Messages	1-1		Number of INVOIC messages in the file
N	MTR				Message trailer	1-1		
N		NOSG			Number of Segments	1-1		
N			1	10	Number of segments	1-1		

An example of the Interchange trailer is provided in section 5.3 Example TRADACOMS Message

3.4.4 TRADACOMS Batch Trailer

Each batch transmitted requires a TRADACOMS batch trailer. The batch Trailer is defined in the table that follows:

Chg	Segment	Field Ref	Field No.	Field Length	Description	Min-Max	Example Value	Notes
N	END				End of transmission	1-1		
N		NMST				1-1		
N			1	5	Count of messages	1-1	1	Number of messages in the batch

An example of the Interchange trailer is provided in section 5.3 Example TRADACOMS Message

3.5 Guidance Notes

3.5.1 Debit Note Reason Code

The reason code for the adjustment of the line item is provided on the DNAR segments. The value provided will contain the reason code for the adjustment; these are:

- P = Price Discrepancy between PO Unit Price and Invoiced Unit Price
- Q = Quantity Discrepancy between Goods Receipted Quantity and Invoice Quantity.

4 COMPLIANCE TESTING

4.1 Test Cases

The following test cases are required for the testing of this EDI Business Document.

4.1.1 DN_CREHDR_001

This test condition is to ensure the implementation compliance for the Debit Note functional use case. Your implementation must be able to process the example test file.

<i>Property</i>	<i>Definition / Reference</i>
Test Case Reference	DN_CREHDR_001
Business Context	Create Debit Note
Functional Requirement	The creation of a Debit Note for a Food Supplier
Applies To	Ambient Cold Chain Wine Frozen
Test Case Definition	Debit Note sent to GXS and Vendor mailbox determined by Vendor No. Debit Note forwarded to Vendor and created within Vendor business system. Debit Note contains the following information: • General information about the buyer and supplier including unique identifiers • Debit Note reference information • Debit Note line details • VAT information • Debit Note line adjustments • VAT totals
Outcome	Debit Note sent to Vendors via GXS. Technical acknowledgement is received from the Vendor acknowledging successful delivery of the message to the Vendor.
Test File Reference	DN_CREHDR_001.edi

5 UNDERSTANDING TRADACOMS

5.1 WHAT IS TRADACOMS?

Tradacoms is an early standard for EDI (Electronic Data Interchange)) primarily used in the UK retail sector. It was introduced in 1982 as an implementation of the **UN/GTDI** syntax, one of the precursors of EDIFACT, and was maintained and extended by the UK Article Numbering Association (now called GS1 UK)).

5.2 TRADACOMS Message Structure

Each TRADACOMS message will have the following structure:

- ❖ Interchange / Envelope Header (STX)
- ❖ Message Header Section (MHD)
- ❖ Detail Section (Any)
- ❖ Interchange / Envelope Trailer (MTR)

The structure is shown in the figure that follows:



Each data segment has a specific place within the sequence of segments in the message. They may occur in any of the following three sections of the message:

- ❖ Heading section - A segment occurring in this section relates to the entire message
- ❖ Detail section - A segment occurring in this section relates to the detail information only and will contain the business data i.e. contract, Purchase Order etc.
- ❖ Trailer section - Only segments containing totals or control information may occur in the trailer section, e.g. invoice total amount, number of lines in a Purchase Order.

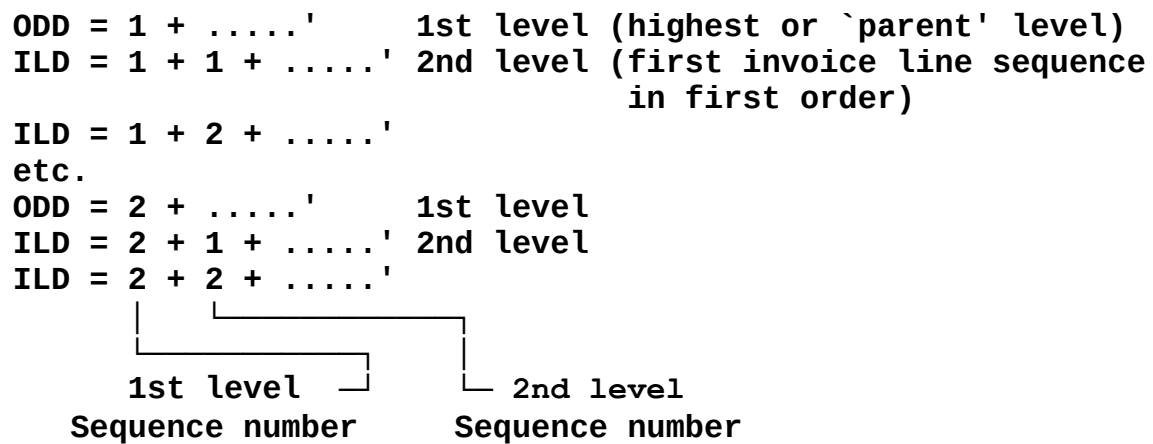
5.2.1 Segments and Segment Groups

The same segment type may occur in more than one of the message sections, for example in the header and in the detail section, and/or more than once in the same section.

Some segments may be repeated a certain number of times at their specific location in the message. The status, Mandatory or Conditional, and the maximum number of repetitions of segment types are indicated in the message structure.

Within a message, specific groups of functionally related segments may be repeated; these groups are referred to as "segment groups". The maximum number of repetitions of a particular segment group at a specific location is included in the message definition.

A segment group may be nested within other segment groups, provided that the inner segment group terminates before any outer segment group terminates. The following taken from the TRADACOMS standard itself provides reference to the message structure with segments and segment groups.



A segment consists of the following:

- ❖ A segment tag: identifies the segment type
- ❖ Data element separators
- ❖ Simple and/or composite data elements,
- ❖ A segment terminator

Data elements can be defined as having a fixed or variable length.

A composite data element contains two or more component data elements.

A component data element is a simple data element used in a composite data element.

A data element can be qualified by another data element, the value of which is expressed as a code that gives specific meaning to the data. The data value of a qualifier is a code taken from an agreed set of code values.

Example TRADACOMS Message

5.2.2 Debit Note Example 1

The message below is provided as an example only:

```
STX=ANA:1+SENDERID1+RECEIVERID1+100729:103252+00000000000973++DNINVOIC'
MHD=1+CREHDR:9'
TYP=0720'
SDT=:SUPPLIER ID+SUPPLIER NAME+OXFORD STREET:LONDON:123456:78901:
22345678+:3333333333333333'
CDT=5012068999993+CUSTOMER NAME+WEST BRIDGE STREET:L
ONDON:654321:12355:45432101+:2222222222222222'
DNA=1+++DUPLICATE'
FIL=143+1+10072 9'
MTR=7'
MHD=2+CREDIT:9'
CLO=:LOCATION NUMBER 1'
CRF=CREDIT NUMBER 010+100707+10070 7'
PYT=1+++100:123'
OIR=2+INVOICE NUMBER001+++CUSTOMER NUMBER01'
CLD=3+:THIS IS SUPPLIER CODE++:THIS IS CUSTOMER CODE++44+22000+44000+Z+12+:THIS IS THE
TRANSACTION DESCRIPTION+++TRADED UNIT DESC+33000'
DNB=3+1+++113:REGISTERED APPLICATION TEXT1 :006:REGISTERED APPLICATION TEXT1:115:PURCHASE
ORDER PRICE:007:INVOICE PRICE'
DNB =3+2++043:THIS IS THE ITEM NUMBER'
CST=4+Z+123+88000+66000+++66000++66000+55000++ 77000'
CTR=4+11000+++11000++11000+22000++33000'
MTR=11'
MHD=3+VATTLR:9'
VRS=11111111 11+Z+123+33000+33000+22000++44000'
VRS=2+A+456+77000+77000+66000++88000'
MTR=4'
MHD =4+CRETLR:9'
TOT=5000+5000+66000++77000+1'
MTR=3'
END=4'
```

5.2.3 Debit Note Example 2

The message below is provided as an example only:

```
STX=ANA:1+SENDERID1+RECEIVERID1+100729:103447+00000000000974++DNINVOIC'
MHD=1+CREHDR:9'
```

TYP=0720'
 SDT=:SUPPLIER ID+SUPPLIER NAME+OXFORD
 STREET:LONDON:123456:78901:22345678+:3333333333333333'
 CDT=5012068999993+CUSTOMER NAME+WEST BRIDGE
 STREET:LONDON:654321:12355:45432101+:2222222222222222'
 DNA=1+++DUPLICATE'
 FIL=144+1+100729'
 MTR=7'
 MHD=2+CREDIT:9'
 CLO=:1111111111BBBBBBB'
 CRF=4444444444AAAAAA+100707+100707'
 PYT=2222222222+++100:123'
 OIR=111111111+INVOICE NUMBER001+++CUSTOMER NUMBER01'
 CLD=333333333+:THIS IS SUPPLIER CODE++:THIS IS CUSTOMER
 CODE++44444+2222222222222+4444444444444+Z+12+:THIS IS THE TRANSACTION
 DESCRIPTION+++TRADED UNIT DESC+3333333333333333'
 DNB=3333333333+1++113:THIS IS THE APPLICATION TEXT1:006:THIS IS THE APPLICATION
 TEXT1:115:APPLICATION TEXT1:007:APPLICATION TEXT2'
 DNB=3333333333+2++043:THIS IS THE ITEM NUMBER'
 CST=4444444444+Z+123+8888888888+6666666666666+++6666666666666++6666666666666+5555555555555+
 +7777777777777'
 CTR=4444444444+11111111111+++11111111111++11111111111+22222222222++3333333333333'
 MTR=11'
 MHD=3+VATTLR:9'
 VRS=111111111+Z+123+3333333333333+3333333333333+22222222222++4444444444444'
 VRS=5555555555+A+456+7777777777777+7777777777777+6666666666666++8888888888888'
 MTR=4'
 MHD=4+CRETLR:9'
 TOT=5555555555555+5555555555555+6666666666666++7777777777777+1'
 MTR=3'
 END=4'

6 VERSION CONTROL

The following versions of the document have been produced:

<i>Version</i>	<i>Status</i>	<i>Issue Date</i>	<i>Author</i>	<i>Comments</i>
1.00	Issued	11.06.2010	M&S	Issued version.
1.01	Issued	30.08.2010	M&S	Updated with example messages
1.02	Issued	25.02.2011	M&S	Updated UCRB segment