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Global PAYplus Version 4.6.3

Fndt Message Usage for Feeder Interface - Single Transaction Handoff

Technical Guide

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Version Control

Version	Date	Summary of Changes
1.0		Document created
2.0	June 2016	Updated with some rephrasing and marking of subtrees that the order of their child elements is not mandatory

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1   Introduction

Note: This document has not yet been certified for GPP V4.6; therefore, there may be inaccuracies in this document that may require amendments in the future. For more information, please contact your D+H Project Manager.

1.1   Overview

This guide describes Global PAYplus (GPP)'s standard usage of the Fndt (FuNDs Transfer) message for the Feeder interface for single transaction handoff from a Feeder system to Global PAYplus (GPP). This interface is an XML interface based on the GPP Fndt (FuNDs Transfer) message format.

It includes the interface structure and related processing of the Feeder Transaction Handoff interface Request and Response:

- Transaction handoff request (from Feeder system to GPP)

- Transaction handoff response (acknowledgement) (from GPP to Feeder system)

GPP standard transaction handoff is invoked by the Feeder system when placing a relevant message on a dedicated MQueue (or when calling a web service), in many cases via a message mediation layer. GPP automatically consumes the message, validates its structure, parses it and directs it to the relevant message processing flow.

GPP generates a response for the message the first time the message is stored in the GPP database (DB). The response serves as an acknowledgement (or status report) to the Feeder system. The response contains feeder transaction reference to allow matching, and provides information on the status of the message. The response is also in an Fndt (FuNDs Transfer) message structure with a pain.002 payload.

The processing, manual handling and configuration required around the different options for information provided in the Feeder Request, are detailed in the Feeder interface section in the GPP Business Guide System Integration - Single Payment document.

1.2   About This Guide

Information is provided for Global PAYplus (GPP) clients implementing a Feeder Transaction Handoff interface, using the GPP Fndt (FuNDs Transfer) Message Format as the base for initiating transaction processing and acknowledgment for providing processing state information.

1.3   Background

A standard interface was defined to streamline the process of handoff between bank or financial institution Feeder system/s and GPP. In addition to providing additional fields for GPP processing, this structure supports the use of ISO 20022 or SWIFT messages embedded in the structure.

When the message is received as a SWIFT message it is included within the Fndt Message within the specific wrapping XML structure, with the original transaction text in one tag and a structured list of additional attributes as additional and separate tags and trees.

1.4   Scope

The guide covers only the structure and mapping aspects. The rest of the functionality is described in the sections related to the Feeder interface in the GPP Business Guide System Integration - Single Payment.

1.5   References

For information about the GPP Fndt (FuNDs Transfer) Message structure, see GPP Technical Guide Fndt Message Format document.

For more information about the logic and functionality around this interface, see GPP Business Guide System Integration – Single Payments document.

2   Interface Structures

For the formatting and conventions in the interface detailed structure tables, the following should be taken into consideration:

- The shading in the detailed tables in this chapter marks tags, which represent subtree parents, for example, tags in level 1, 2, where leaf tags in level 3 exist under the level 1 and 2. Each level has a different shade, with the first (1) being the darkest shade and gradually getting lighter through the levels.

- For conventions, including the explanation of the values in the Presence and Format within the detailed structure tables, see Appendix B: Conventions (Including Format and Presence).

- For examples of the different scenarios, see Appendix C: Scenarios and Examples for Feeder Handoff.

2.1   Feeder Transaction Handoff Request

2.1.1   Minimal Scope

The following sections from the full Fndt Message structure are the minimal scope to be included when the structure is used as a Feeder Transaction handoff Request (additional sections can be configured to be included, if required):

Notes:
- As GPP is the receiver of the Feeder request, the generic interfaces mechanism of the EventID tag in the Header section (for distinguishing between a resent request and a new one) is not applied for this interface, and this tag is not required.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is the XSD definition of the list of elements is 'all' and not 'sequence.'

Level 1	Level 2	Level 3	Level 4	Level 5	Description
FndtMsg					
	Header				General identifying attributes
	Msg				Transaction message and extension
		Pmnt			<Pmnt> quotes the transaction. When used for Feeder interface, it is an ISO based pain, or a SWIFT message embedded within the GPP proprietary XML structure. For more information, see GPP Technical Guide Fndt Message.
		Extn*			
			Processin gPersiste ntInfo*		
				Debit Side Persistent Info*	

Level 1	Level 2	Level 3	Level 4	Level 5	Description
				Credit Side Persistent Info*	
			UserDefinedFields		User Defined Fields aka Custom Fields. System level and client/financial institution-defined message fields, if relevant.

2.1.1.1   Detailed Structure When Using Minimal Scope

Notes:
- As GPP is the receiver of the Feeder request, the generic interfaces mechanism of the EventID tag in the Header section (for distinguishing between a resent request and a new one) is not applied for this interface, and this tag is not required.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is the XSD definition of the list of elements is 'all' and not 'sequence.'

For the conventions of the Presence and Format columns in this table, see Appendix B: Conventions (Including Format and Presence).

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
FndtMsg	1		+											[1..1]	Fndt Message			
Header	2			+										[1..1]	Header			
contextName	3				+									[0..1]	Context Name	Generic field to add information regarding the specific usage. **Note:** Specifically for the usage for Feeder request, the value can be Feeder	Text {1,n}	Feeder system to populate with Feeder Not mapped into GPP. Just used for usage identification.
contextLocalName	3				+									[0..1]	Context Local Name	Generic optional field to add regarding the specific usage, but using the financial institution system terminology naming, in case such exist and is required for the identification on the financial institution side	Text {1,n}	Feeder system to populate, if required – with specific local context string. Mapped into X_CONTEXT_LCL_NM and used to be quoted back in the response (into same tag).
Credentials	3				+									[0..1]	Credentials	Credentials when required		
UserID	4					+								[0..1]	User ID	User ID	Text {1,8}	Feeder system to populate with User Id Not mapped into GPP. May be used for authentication.
Role	4					+								[0..1]	User ID	User ID	Text {1,50}	Feeder system to populate with User Role Not mapped into GPP. May be used for authentication.

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
D_SKIP_PERSIST_ON_ERROR	3				+								[0..1]	Skip Persist On Error Indicator	An indication whether to store the transaction details when an error or errors were found	[1,0] {1, 1}	Feeder system to populate with 0[1] Not mapped into GPP. Just used for processing.
Workflow	3				+								[0..1]	Workflow	Defined for mass processing. The valid values are Template, File or Swift	Text {1,50}	Expected to be left empty in Request.
P_MID	3				+								[0..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Expected to be left empty in Request. Will be populated by GPP on response
deliveryTimestamp	3				+								[0..1]	Deliver Timestamp	The Timestamp when the request was created	ISO Date Time	Feeder system to populate with Office Date Time Not mapped into GPP.
P_INIT_SRC_ID					+								[0..1]	Initiating source system ID	The ID of the source system initiating the request/response	Text {1,50}	Feeder system to populate with name of the Feeder system Not mapped into GPP. May be used for authentication.
Msg	2			+										[1..1]	Message			
Pmnt	3				+								[0..1]	Payment	ISO or SWIFT message text that is stored in an XML structure in the XML_MSG		The message is parsed per generic GPP parsing and a MINF entry is created for it. The entire transaction text is mapped to MINF.XML_MSG
Extn*	3				+								[1..1]	Extension			
ProcessingPersistentInfo*	4					+							[1..1]	ProcessingPersistentInfo	Transaction derived attributes relevant to the transaction information Note: Only the P_TX_ID is a must for a proper reconciliation. The rest are optional and should be populated only if required		

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[1] Do not skip the saving of the message when there is an error invoking the Account Lookup request

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
P_TX_ID	5						+						[1..1]		A unique transaction reference. This tag will be included in responses and advises enabling Feeder system to match by it.		Mapped into MINF.P_TX_ID
P_OFFICE	5						+						{0..1}		The office of the transaction. If left empty, GPP derives the Office per its Office derivation logic	[A-Z] {3,3}	
P_PRODUCT_CD	5						+						{0..1}	Product Code	The Product Code for the transaction. Used for categorization. **Note:** If provided, should be populated with a value that fits a Product entry configured in GPP	Text {1,10}	Mapped into MINF.P_PRODUCT_CD
P_RVS_SELL	5						+						[0..1]	Reverse Sell Indicator	Set to 1 if transaction is reverse sell (fixed debit amount). If not set to 1 or not present credit amount is fixed	[1,0] {1,1}	Mapped into MINF.P_RVS_SELL
CreditSide*	5						+						[0..1]	Credit Side Persistent Info	Information on the Credit side.		
P_CDT_AMT	6							+					[0..1]	Credit Amount		fractionDigits 4 totalDigits 19	Mapped into MINF.P_CDT_AMT
P_CDT_CUST_CD	6							+					[0..1]	Credit Customer Code	Applicable for outgoing debit transfer, or outgoing book credit transfer in case the creditor is also a GCP customer	Text {1,34}	Mapped into MINF.P_CDT_CUST_CD
P_CDT_ACCT_NB	6							+					[0..1]	Credit Account Number	The credit account number to be validated	Text {1,34}	
P_CDT_ACCT_CCY	6							+					[0..1]	Credit Account Currency	The currency of the credit account	[A-Z] {3,3}	
P_CDT_ACCT_OFFICE	6							+					[0..1]	Credit Account Office	The office of the credit account	[A-Z,0-1] {3,3}	

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
P_CDT_FEE_ACCT_NB	6							+					[0..1]	Credit Fee Account Number	The credit fee account number, if different than the credit account, to use for credit fees	Text {1,34}	Mapped into MINF.P_CDT_FEE_ACCT_NB
P_CDT_FEE_ACCT_CCY	6							+					[0..1]	Credit Fee Account Currency	The currency of the credit fee account, if provided	A-Z,0-1] {3, 3}	Mapped into MINF.P_CDT_FEE_ACCT_CCY
P_CDT_FEE_ACCT_OFFCIE	6							+					[0..1]	Credit Fee Account Office	The office of the credit fee account, if provided	[A-Z] {3,3}[	Mapped into MINF.P_CDT_FEE_ACCT_OFFICE
DebitSide*	5						+						[0..1]	Debit Side Persistent Info	Information on the Debit side.		
P_DBT_AMT	6							+					[0..1]	Debit Amount		fractionDigits 4 totalDigits 19	Mapped into MINF.P_DBT_AMT
P_DBT_CUST_CD	6							+					[0..1]	Debit Customer Code	Applicable for outgoing credit transfer, or outgoing book debit transfer in case the debtor is also a financial institution customer	Text {1,34}	Mapped into MINF.P_DBT_CUST_CD
P_DBT_ACCT_NB	6							+					[0..1]	Debit Account Number	The debit account number	Text {1,34}	
P_DBT_ACCT_CCY	6							+					[0..1]	Debit Account Currency	The currency of the debit account	[A-Z] {3,3}	
P_DBT_ACCT_OFFICE	6							+					[0..1]	Debit Account Office	The office of the debit account	[A-Z,0-1] {3, 3}	
P_DBT_FEE_ACCT_NB	6							+					[0..1]	Debit Fee Account Number	The debit fee account number, if different than the debit account, to use for debit fees	Text {1,34}	Mapped into MINF.P_DBT_FEE_ACCT_NB
P_DBT_FEE_ACCT_CCY	6							+					[0..1]	Debit Fee Account Currency	The currency of the debit fee account, if provided	[A-Z] {3,3}	Mapped into MINF.P_DBT_FEE_ACCT_CCY
P_DBT_FEE_ACCT_OFFICE	6							+					[0..1]	Debit Fee Account Office	The office of the debit fee account, if provided	[A-Z,0-1] {3, 3}	Mapped into MINF.P_DBT_FEE_ACCT_OFFICE

2.1.1.2   Payment Document Payload (Pmnt tag)

The Feeder system can provide any of the following transaction payloads:

- Pain.001 - For credit transfer
    - o For Single transaction (which is the scope of this guide)
        - ❖ GrpHdr/NbOfTxs will always be 1
        - ❖ PmtInf section will always be of 1 occurrence
- Pain.008 - For collection (debit transfer)
    - o For Single transaction (which is the scope of this guide)
        - ❖ GrpHdr/NbOfTxs will always be 1
        - ❖ PmtInf section will always be of 1 occurrence
- SWIFT MT103
- SWIFT MT101 with single transaction

2.1.2   Minimal Scope + MOP Information Option

When the financial institution system reports the MOP to be used for sending the specific transaction out, the following additional tags can be included in the request.

These additional tags are included in the <ProcessingPersistentInfo> and <Monitors> extensions with the MOP information.

Notes:
- Only the additional extension (on top of the extension specified in the previous section) is included in the following table. The main tree tags are also included, to show the path where the additional extension should be added in the structure. These tags are marked with grey font.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is the XSD definition of the list of elements is 'all' and not 'sequence.'

Level 1	Level 2	Level 3	Level 4	Level 5	Description
FndtMsg					
	Header				General identifying attributes
	Msg				Transaction message and extension
		Pmnt			Pmnt quotes the transaction. When used for Feeder interface it is an ISO based pain, or a SWIFT message embedded within the GPP proprietary XML structure. For more information, see GPP Technical Guide Fndt Message.

Level 1	Level 2	Level 3	Level 4	Level 5	Description
		Extn*			
			…		
			ProcessingPersistentInfo*		
				Debit Side Persistent Info	
				Credit Side Persistent Info	
			…		
			Monitors*		Monitors. User/Services/Interface tracking monitors.

2.1.2.1 Detailed Structure When Using Minimal Scope + MOP Information Option

These additional tags are included in the <ProcessingPersistentInfo> and <Monitors> extensions with the MOP information.

Notes**:**
- Only additional tags (on top of the tags specified in the previous section) are included in the following table. The main tree tags are also included, to show the path where the additional tags should be added in the structure. These tags are marked with grey font.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is the XSD definition of the list of elements is 'all' and not 'sequence.'

For the conventions of the Presence and Format columns in this table, see Appendix B: Conventions (Including Format and Presence).

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
FndtMsg	1		+											[1..1]	Fndt Message			
…																		
Msg	2			+										[1..1]	Message			
Pmnt	3				+									[0..1]	Payment	ISO or SWIFT message text that is stored in an XML structure in the XML_MSG		The message is parsed per generic GPP parsing and a MINF entry is created for it. The entire transaction text is mapped to MINF.XML_MSG
Extn*	3				+									[1..1]	Extension			
…																		
ProcessingPersistentInfo*	4					+								[1..1]	ProcessingPersistentInfo	Transaction derived attributes relevant to the transaction information		
…																		
CreditSide*	5						+							[0..1]	Credit Side Persistent Info	Information on the Credit side.		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
P_CDT_MOP	6							+						[0..1]	Credit MOP	The suggested or instructed MOP for outgoing credit transfer. Relevant only for a credit transfer Payload. If provided as instructed, where GPP needs to use it as is and only perform MOP validation, needs to be provided also with the MU_SET_CDT_MOP=F (under the <Monitors><UserMonitor> extension). If provided as suggested (MU_SET_CDT_MOP is not provided), MOP selection rules can be defined with conditions on the P_CDT_MOP to influence the final selection of the MOP **Note:** If provided, it should be populated with a value that fits a MOP entry configured in GPP	Text {1,20}	Mapped into MINF.P_CDT_MOP
...																		
DebitSide*	5							+						[0..1]	Debit Side Persistent Info	Information on the Debit side.		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
P_DBT_MOP	6							+					[0..1]	Debit MOP	The suggested or instructed MOP for outgoing debit transfer. Relevant only for a direct debit Payload. If provided as instructed, where GPP needs to use it as is and only perform MOP validation, needs to be provided also with the MU_SET_DBT_MOP=F (under the <Monitors><UserMonitor> extension). If provided as suggested (MU_SET_DBT_MOP is not provided), MOP selection rules can be defined with conditions on the P_DBT_MOP to influence the final selection of the MOP **Note:** If provided, it should be populated with a value that fits a MOP entry configured in GPP	Text {1,20}	Mapped into MINF.P_DBT_MOP
…																	
Monitors*	4					+							[0..1]	Monitors	Monitor flags that can provide additional information used in processing		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
UserMonitor	5						+						[0..1]		Monitor flags that record user actions. Usually within GPP UI. When included in Feeder Interface, it can be used to emulate a user action and cause GPP to behave the same as if the user has performed the action within the GPP UI (usually used to force user selection and skip the generic system logic for specific derived attributes)		
MU_SET_CDT_MOP	6							+					[0..1]	Credit MOP Selected Manually Monitor	A monitor that indicates to GPP that a user has selected the Credit MOP, and hence this MOP has to be the MOP used when sending the Credit Transfer out. Needs to be provided, set to F, along with P_CDT_MOP (under the <PersistentProcessingInfor> extension) when the provided MOP is an instructed MOP (as opposed to suggested). Relevant to Credit Transfers	Text {1,1}	Mapped into MU_SET_CDT_MOP and the relevant character within the MINF. USER_STATE_MONITOR
MU_SET_DBT_MOP	6							+					[0..1]	Debit MOP Selected Manually Monitor	A monitor that indicates to GPP that a user has selected the Debit MOP, and hence this MOP has to be the MOP used when sending the Direct Debit out. Needs to be provided, set to F, along with P_CDT_MOP (under the <PersistentProcessingInfor> extension) when the provided MOP is an instructed MOP (as opposed to suggested). Relevant to Direct Debits	Text {1,1}	Mapped into MU_SET_DBT_MOP and the relevant character within the MINF. USER_STATE_MONITOR

2.1.3   Minimal Scope + Fees Information Option

When the financial institution system reports fees to be charged for the specific account/customer, and it is required that GPP includes these fees in the posting for the applicable transaction, the following additional tags can be included in the request.

These additional tags are included in the <MsgFees> extension with the fee information.

Notes**:**
- Only the additional extension (on top of the extension specified in the previous section) is included in the following table. The main tree tags are also included, to show the path where the additional extension should be added in the structure. These tags are marked with grey font.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is the XSD definition of the list of elements is 'all' and not 'sequence.'

Level 1	Level 2	Level 3	Level 4	Level 5	Description
FndtMsg					
	Header				General identifying attributes
	Msg				Transaction message and extension
		Pmnt			Pmnt quotes the transaction. When used for Feeder interface it is an ISO based pain, or a SWIFT message embedded within the GPP proprietary XML structure. For more information, see GPP Technical Guide Fndt Message document.
		Extn*			
			…		
			MsgFees		Message Fees. Multiple transaction fee details.
	…				

2.1.3.1 Detailed Structure When Using Minimal Scope + Fees Information Option

These additional tags are included in the <MsgFees> extension with the fee information.

Notes:
- Only additional tags (on top of the tags specified in the previous section) are included in the following table. The main tree tags are also included, to show the path where the additional tags should be added in the structure. These tags are marked with grey font.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is the XSD definition of the list of elements is 'all' and not 'sequence.'

For the conventions of the Presence and Format columns in this table, see Appendix B: Conventions (Including Format and Presence).

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
FndtMsg	1		+											[1..1]	Fndt Message			
…																		
Msg	2			+										[1..1]	Message			
Pmnt	3				+									[0..1]	Payment	ISO or SWIFT message text that is stored in an XML structure in the XML_MSG		The message is parsed per generic GPP parsing and a MINF entry is created for it. The entire transaction text is mapped to MINF.XML_MSG
Extn*	3				+									[1..1]	Extension			
MsgFees*	4					+								[0..1]	Message Fees Information	The information on the fee/s applied for the transaction		
M_MSG_FEES_LINE	5						+							{0..n}	MsgFeeLine	Message fees records		For each occurrence of M_MSG_FEES_LINE a Msg_Fees entry will be created in GPP for the message
F_MSG_FEES_MANUAL_FEE	6							+						[1..1]		Indicates a fee manually selected by a user or from an external system (CDB). **Note:** When fees reported via this request always populate with 2 (CDB)	[2,1,0] {1, 1}	Mapped into MSG_FEES.MANUAL_FEE

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Prese nce	Element	Description	Format	Mapped From/Into GPP Table and Field
F_MSG_FEES_DED UCT_FROM	6							+					[1..1]		Indicates whether it is the *transaction* or account from which the fee is deducted. One of the following: • A = Account. Fees should be deducted from an account (either a separate fee account or principal account). • P = Payment. Fees should be deducted from the transaction amount to be charged to the customer on the next financial institution (BEN fees in case of credit transfer).	Text {1,1}	Mapped into MSG_FEES.DEDUCT_FROM
F_MSG_FEES_FEE _ACC_AMOUNT	6							+					[0..1]		Amount (in fee account currency) that are debited from fee account. Relevant only for scenarios a fee account is involved	fractionDigits 4 totalDigits 19	Mapped into MSG_FEES.FEE_ACC_AMOUNT
F_MSG_FEES_FEE _AMOUNT	6							+					[1..1]		Fee amount (in fee currency)	fractionDigits 4 totalDigits 19	Mapped into MSG_FEES.FEE_AMOUNT
F_MSG_FEES_FEE _AMT_IN_PMT_CC Y	6							+					[0..1]		Fee amount in transaction or instruction currency.	fractionDigits 4 totalDigits 19	Mapped into MSG_FEES.FEE_AMOUNT_IN_PMT _CCY
F_MSG_FEES_FEE _APPLY	6							+					[1..1]		Indicates when fees are applied. One of the following: NOW, LATER, WAIVE.	Text {1,10}	Mapped into MSG_FEES.APPLY
F_MSG_FEES_FEE _BASE_AMOUNT	6							+					[0..1]		Fee amount in office base currency.	fractionDigits 4 totalDigits 19	Mapped into MSG_FEES.FEE_BASE_AMOUNT
F_MSG_FEES_FEE _CURRENCY	6							+					[1..1]		Currency in which the fee is defined	[A-Z] {3, 3}	Mapped into MSG_FEES.FEE_CURRENCY

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Prese nce	Element	Description	Format	Mapped From/Into GPP Table and Field
F_MSG_FEES_FEE _PNL_ACC_CUR	6							+					[0..1]		Fee Profit and Loss (PNL) account currency. **Note:** If not provided will be first derived from the Fee Type Profile configured in GPP and then mapped as if received	[A-Z] {3, 3}	Mapped into MSG_FEES.FEE_PNL_ACCOUNT_C URRENCY
F_MSG_FEES_FEE _PNL_ACC_NO	6							+					[0..1]		Fee Profit and Loss (PNL) account number. **Note:** If not provided it is first derived from the Fee Type Profile configured in GPP and then mapped as if received	Text {1,34}	Mapped into MSG_FEES.FEE_PNL_ACC_NO
F_MSG_FEES_PNL _ACC_OFFICE	6							+					[0..1]		Office of the fee Profit and Loss (PNL) account **Note:** If not provided it is first derived from the Fee Type Profile configured in GPP and then mapped as if received	Text {1,3}	Mapped into MSG_FEES.FEE_PNL_ACC_OFFICE
F_MSG_FEES_FEE _PNL_AMOUNT	6							+					[0..1]		Fee amount (in Profit and Loss account currency) credited to the account.	fractionDigits 4 totalDigits 19	Mapped into MSG_FEES.FEE_PNL_AMOUNT
TAX_AMOUNT	6							+					[0..1]	Tax Amount	The tax amount (in fee currency)	fractionDigit s 4 totalDigits 19	Mapped into MSG_FEES.TAX_AMOUNT
F_MSG_FEES_TAX _ACC_AMOUNT	6							+					[0..1]	Tax Account Amount	The tax amount in the currency of the account from which the tax is deducted.	fractionDigit s 4 totalDigits 19	Mapped into MSG_FEES.TAX_ACC_AMOUNT
F_TAX_BASE_AMO UNT	6							+					[0..1]	Tax Base Amount	The tax amount (in base currency)	fractionDigit s 4 totalDigits 19	Mapped into MSG_FEES.TAX_BASE_AMOUNT
F_MSG_FEES_TAX _PNL_ACCT	6							+					[0..1]	Tax P&L Account Number	The tax Profit and Loss account number	Text {1,34}	Mapped into MSG_FEES.TAX_PNL_ACCT
F_MSG_FEES_TAX _PNL_ACCT_CCY	6							+					[0..1]	Tax P&L Account Currency	Currency of the tax Profit and Loss account	[A-Z] {3, 3}	Mapped into MSG_FEES.TAX_PNL_ACCT_CCY

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
F_MSG_FEES_TAX_PNL_ACCT_OFFICE	6							+					[0..1]	Tax P&L Account Office	Office of the tax Profit and Loss account	Text {1,3}	Mapped into MSG_FEES.TAX_PNL_ACCT_OFFICE
F_TAX_ON_TAX_AMOUNT	6							+					[0..1]	Tax on Tax Amount	The tax on tax amount (in transaction currency)	fractionDigits 4 totalDigits 19	Mapped into MSG_FEES.TAX_ON_TAX_AMOUNT
F_TAX_ON_TAX_ACC_AMOUNT	6							+					[0..1]	Tax on Tax Account Amount	The tax on tax amount (in the currency of the account from which the tax on tax is deducted)	fractionDigits 4 totalDigits 19	Mapped into MSG_FEES.TAX_ON_TAX_ACC_AMOUNT
F_TAX_ON_TAX_PNL_AMOUNT	6							+					[0..1]	Tax on Tax P&L Amount	The tax on tax amount (in P&L account currency)	fractionDigits 4 totalDigits 19	Mapped into MSG_FEES.TAX_ON_TAX_PNL_AMOUNT
F_MSG_FEES_FEE_TYPE_UID	6							+					[1..1]		The Fee Type UID for the Fee in this entry. **Note:** Should be populated with a value that fits a Fee Type entry configured in GPP, in the following structure: Office + ^ + Fee type name	Text {1,100}	Mapped into MSG_FEES.FEE_TYPE_UID
F_MSG_FEES_PAYING_PARTY	6							+					[1..1]		Indicates the party that its fee arrangement defines the fee amount and application. It is not necessarily the party that pays the fee. One of the following: • DR - Debit party • CR - Credit party • AF - Agent fee	Text {1,2}	Mapped into MSG_FEES.PAYING_PARTY

2.1.4 Minimal Scope + Rates Information Option

When the financial institution system reports rates or the spread to be used for the specific transaction, the following additional tags can be included in the request.

These additional tags are included in the <MsgRates> extension with the fee information.

Notes**:**
- Only the additional extension (on top of the extension specified in the previous section) is included in the following table. The main tree tags are also included, to show the path where the additional extension should be added in the structure. These tags are marked with grey font.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is the XSD definition of the list of elements is 'all' and not 'sequence.'

Level 1	Level 2	Level 3	Level 4	Level 5	Description
FndtMsg					
	Header				General identifying attributes
	Msg				Transaction message and extension
		Pmnt			Pmnt quotes the transaction. When used for Feeder interface it is an ISO based pain, or a SWIFT message embedded within the GPP proprietary XML structure. For more information, see GPP Technical Guide Fndt Message.
		Extn*			
			…		
			MsgRates		Message Rates. Multiple transaction exchange rate details.

2.1.4.1   Detailed Structure When Using Minimal Scope + Rates Information Option

These additional tags are included in the <MsgRates> extension with the fee information.

Notes**:**
- Only additional tags (on top of the tags specified in the previous section) are included in the following table. The main tree tags are also included, to show the path where the additional tags should be added in the structure. These tags are marked with grey font.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is the XSD definition of the list of elements is 'all' and not 'sequence.'

For the conventions of the Presence and Format columns in this table, see Appendix B: Conventions (Including Format and Presence).

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
FndtMsg	1		+											[1..1]	Fndt Message			
...																		
Msg	2			+										[1..1]	Message			
Pmnt	3				+									[0..1]	Payment	ISO or SWIFT message text that is stored in an XML structure in the XML_MSG		The message is parsed per generic GPP parsing and a MINF entry is created for it. The entire transaction text is mapped to MINF.XML_MSG
Extn*	3				+									[1..1]	Extension			
MsgRates	4					+								{0..1}	MsgRates	Message Rates (for Forward Contract, Counter Rate and spread and for Trigger Payment), Multiple transaction exchange rate details.		
M_FC_LINE	5						+							{0..n}	Forward contract line	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates entry will be created in GPP for the message

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Prese nce	Element	Description	Format	Mapped From/Into GPP Table and Field
F_FC_CONTRACT	6							+					[1..1]		The reference of the forward contract, is either Forward contract or Dealer reference. Expected to be populated if F_FC_FORWARD_CONTRAC T is 0 or 1. As it is required for contract/dealer validation.	Text {1,30}	Mapped into MESSAGERATES.CONTRACT
F_FC_AMOUNT	6							+					[1..1]		The calculated amount using the specific rate.	fractionDigit s 4 totalDigits 19	Mapped into MESSAGERATES.AMOUNT
F_FC_RATE	6							+					[1..1]		The exchange rate for the currency conversion.	fractionDigits 11 totalDigits 19	Mapped into MESSAGERATES.RATE
F_FC_CURRENCY1	6							+					[1..1]		From currency.	[A-Z] {3, 3}	Mapped into MESSAGERATES.CCY1
F_FC_CURRENCY2	6							+					[1..1]		To currency.	[A-Z] {3, 3}	Mapped into MESSAGERATES.CCY2
F_FC_SPREAD	6							+					[0..1]		Holds the spread given for the provided rate, or for GPP rates in cases these are used. The spread is the difference between the low rate and the high rate, i.e., the margin which stands for the profit of the financial institution.	fractionDigits 8 totalDigits 16	Mapped into MESSAGERATES.SPREAD
F_FC_SPREAD_UN ITS	6							+					[0..1]		Indicates whether the value of the SPREAD is points or percentage. Possible values: PCT or PTS Expected to be populated if F_FC_SPREAD is provided.	[A-Z] {3, 3}	Mapped into MESSAGERATES.SPREAD_UNITS

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Prese nce	Element	Description	Format	Mapped From/Into GPP Table and Field
F_FC_CONVERSI ON_TYPE	6							+					[1..1]		Indicate if the given information is on the debit side or credit side (In Feeder handoff – always the customer's side). Possible values: • DR - debit side conversion for Credit Transfers • CR - Credit side conversion for Direct Debits	[A-Z] {2, 2}	Mapped into MESSAGERATES.CONVERSION_T YPE
F_FC_FORWARD_ CONTRACT	6							+					[1..1]		Flag indicting the type of contract. Possible values: • 0 - Forward contract. When an FX contract is quoted and its rate is used. • 1 - Dealer rate. When a dealer rate is used. • 2 - Residual amount. When a rate is quoted to be used for the residual amount of the transaction, after Contract amount/s were used. • 3 - Counter Rate and Spread Contract. When short term rate quoted to be used for STP processing, and spread to be used in non-STP scenario orTrigger Payment. When a limit rate that instructs the system to only process the transaction if and when the calculated rate is favorable to the limit (Target) rate	[0-9] {1, 2}	Mapped into MESSAGERATES.FORWARD_CON TRACT
F_FC_CUSTOMER _ID	6							+					[1..1]		The ID of the customer for which the message rates apply.	Text {1,34}	Mapped into MESSAGERATES.CUSTOMER_ID

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Prese nce	Element	Description	Format	Mapped From/Into GPP Table and Field
F_FC_MANUAL_SP READ	6							+					[1..1]		Indicates if spread was entered manually by user. Feeder system to populate always with 0 (not manually entered).	[1,0] {1, 1}	Mapped into MESSAGERATES.MANUAL_SPREA D
F_FC_LATEST_DA TE	6							+					[0..1]	Latest Date	The expiration date of the Contract. Expected to be populated if F_FC_FORWARD_CONTRACT = 0. As it is required for validation.	ISO Date	Mapped into MESSAGERATES.LATEST_DATE
F_FC_TARGET_RA TE	6							+					[0..1]	Target Rate	The target or limit rate that is used for the Trigger Payment functionality (F_FC_FORWARD_CONTRAC T=3)	fractionDigits 11 totalDigits 19	Mapped into MESSAGERATES.TARGET_RATE
…																		

2.1.5   Minimal Scope + Account Balance and Earmark Reference Information Option

When the financial institution system reports account balance and earmark reference for the specific message, and it is required that GPP will include the earmark reference/s in the posting for the applicable transaction, the following additional tags can be included in the request.

These additional tags are included in the <BalanceCheckInf> extension with the above information.

Notes:
- Only the additional extension (on top of the extension specified in the previous section) is included in the following table. The main tree tags are also included, to show the path where the additional extension should be added in the structure. These tags are marked with grey font.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is the XSD definition of the list of elements is 'all' and not 'sequence.'

Level 1	Level 2	Level 3	Level 4	Level 5	Description
FndtMsg					
	Header				General identifying attributes
	Msg				Transaction message and extension
		Pmnt			Pmnt quotes the transaction. When used for Feeder interface it is an ISO based pain, or a SWIFT message embedded within the GPP proprietary XML structure. For more information, see GPP Technical Guide Fndt Message.
		Extn*			
			…		
			BalanceCheckInf		Balance Check Information. Up to 2 balance check details

2.1.5.1   Detailed Structure When Using Minimal Scope + Account Balance and Earmark Reference Information Option

These additional tags are included in the <BalanceCheckInf> extension with the above information.

Notes**:**
- Only additional tags (on top of the tags specified in the previous section) are included in the following table. The main tree tags are also included, to show the path where the additional tags should be added in the structure. These tags are marked with grey font.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is the XSD definition of the list of elements is 'all' and not 'sequence.'

For the conventions of the Presence and Format columns in this table, see Appendix B: Conventions (Including Format and Presence).

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
FndtMsg	1		+										[1..1]	Fndt Message			
…																	
Msg	2			+									[1..1]	Message			
Pmnt	3				+								[0..1]	Payment	ISO or SWIFT message text that is stored in an XML structure in the XML_MSG		The message is parsed per generic GPP parsing and a MINF entry is created for it. The entire transaction text is mapped to MINF.XML_MSG
Extn*	3				+								[1..1]	Extension			
…																	
BalanceCheckInf	4					+							[0..1]	Balance Check Information			
M_BI_INFO_LINE	5						+						[0..n]	BI information Line			
F_BI_INFO_DEBIT_TYPE	6							+					[0..1]	Debit Type	The type of the amount on which balance check is requested - either MAIN or FEE	Text {1, 10}	GPP will map the earmark reference and balance to appropriate logical fields (FEE or MAIN) based on the value in this tag
F_BI_INFO_ACCNO	6							+					[0..1]	Account Number	The account number to be validated	Text {1,34}	Not used by GPP. Just for proper quote

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
F_BI_INFO_ACC_CURRENCY	6							+					[0..1]	Account Currency	The currency of the account	[A-Z] {3, 3}	
F_BI_INFO_ACC_OFFICE	6							+					[0..1]	Account Office	The office of the account	[A-Z,0-1] {3, 3}	
F_BI_INFO_AMOUNT	6							+					[0..1]	Amount	The amount on which balance check is requested	fractionDigits 3 totalDigits 18	
F_BI_INFO_VALUE_DATE	6							+					[0..1]	Value Date	Value date for which the balance was checked	ISO Date	
F_BI_INFO_BALANCE	6							+					[0..1]	Balance	Balance per the account quoted in <F_BI_INFO_ACCNO>, returned from the Balance Inquiry interface (if returned)	Text {1,50}	• If <F_BI_INFO_DEBIT_TYPE> = MAIN - Map to logical field P_BI_DBT_ACC_BALANCE • If <F_BI_INFO_DEBIT_TYPE> = FEE - Map to logical field P_BI_FEE_ACC_BALANCE
F_BI_INFO_EARMARK_REF	6							+					[0..1]	Earmark Reference	Earmark reference returned from the Balance Inquiry interface (if returned)	Text {1,50}	• If <F_BI_INFO_DEBIT_TYPE> = MAIN - Map to logical field P_BI_MAIN_ERAMARK_REF • If <F_BI_INFO_DEBIT_TYPE> = FEE - Map to logical field P_BI_FEE_ERAMARK_REF
...																	

2.2   Feeder Transaction handoff Response (Acknowledgement)

The following sections from the full Fndt Message structure are the minimal scope to be included when the structure is used as a Feeder Transaction handoff Response (additional sections can be configured to be included, if required).

Notes:
- As GPP is the receiver of the Feeder request, the generic interfaces mechanism of the EventID tag in the Header section (for distinguishing between a resent request and a new one) is not applied for this interface, and this tag is not required.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is, the XSD definition of the list of elements is 'all' and not 'sequence.'

Level 1	Level 2	Level 3	Level 4	Level 5	Description
FndtMsg					
	Header				General identifying attributes
	Msg				Transaction message and extension
		Pmnt			Pmnt quotes the transaction payload of a pain.002. **Note**: Due to the industry move to XML, even by SWIFT, the acknowledgment response is always using the ISO pain.002, even if the original message payload text was a SWIFT message. For more information, see GPP Technical Guide Fndt Message document.
		Extn*			
			ProcessingPersistentInfo*		Processing Persistent Info. Transaction derived attributes relevant to the transaction information
	OrigMsg				The message that was sent out from GPP as a result of this Feeder transaction handoff (for example, pain.008.001.02, pacs.003.03 or SWIFT MT103 message embedded within the GPP proprietary XML structure) as text. This is populated only if Response Details indicate a successful handoff receipt, and only if outgoing message was created by the time this response is sent back. This can be used to show the customer the outcome of its transaction initiation.
	ResponseDetails				Applicable for Interface Responses

Possible errors that may be encountered by GPP when processing a Feeder transaction handoff request:

- Technical errors:
  - Request not valid – failing Fndt message XSD
  - Transaction payload is not valid – failing transaction parsing

- o   Possible Duplicate
- Functional errors while processing the transaction, for example:
  - o   Source account/initiating party could not be identified
  - o   Transaction failed cutoff

2.2.1   Detailed Structure When Using Minimal Scope

Notes:
- GPP supports a functional and technical handshake functionalities with the initiating system. The functional, and more generic, method is the generic usage of <ContexName> and <contexLocalName>, quoting their value/s from the request + the P_TX_ID. This functionality is described in the table. There are additional technical methods that allow echo back of the sending system identifier in a custom property of the MQ header (the value of this identifier was captured from the handoff request as transport property) or using the MQ correlation Id in the MQ envelope.
- When a sub-tree tag is marked with [*] - the elements underneath it can appear in any order. That is, the XSD definition of the list of elements is 'all' and not 'sequence.'

For the conventions of the Presence and Format columns in this table, see Appendix B: Conventions (Including Format and Presence).

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
FndtMsg	1		+										[1..1]	Fndt (Funds Transfer) Message			
Header	2			+									[1..1]	Header			
contextName	3				+								[0..1]	Context Name	Generic field to add information regarding the specific usage.	Text {1,n}	Populate with value in <ContexName> in the request
contextLocalName	3				+								[0..1]	Context Local Name	Generic optional field to add regarding the specific usage, but using the financial institution system terminology naming, in case such exist and is required for the identification on the financial institution side	Text {1,n}	If required, populate with specific local context string
credentials	3				+								[0..1]	Credentials	Credentials when required		Not required in the response. Can be omitted
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	N/A
Role	4					+							[0..1]	User ID	User ID	Text {1,50}	N/A
D_SKIP_PERSIST_ON_ERROR	3				+								[0..1]	Skip Persist On Error Indicator	An indication whether to store the transaction details when an error or errors were found	[1,0] {1,1}	Not required in the response. Can be omitted

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
Workflow	3				+									[0..1]	Workflow	Defined for mass processing. The valid values are Template, File or Swift	Text {1,50}	Populate with - TBD
P_MID	3				+									[0..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	GPP will populate with MINF.P_MID
deliveryTimestamp	3				+									[0..1]	Deliver Timestamp	The Timestamp when the request was created	ISO Date Time	Populate with Office Date Time
Msg	2			+										[1..1]	Message			
Pmnt	3				+									[0..1]	Payment	pain.002 payload. For more information, see pain.002.		A pain.002 payload generated by GPP as per the Advising Type Selection and the interface selected
Extn*	3				+									[1..1]	Extension			
ProcessingPersistentInfo*	4					+								[1..1]	ProcessingPersistentInfo	Transaction derived attributes relevant to the transaction information		
P_TX_ID	5						+							[1..1]	Transaction Id	A unique transaction reference. This tag will be included in responses and advises enabling Feeder system to match by it.		GPP will populate with MINF.P_TX_ID

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
P_MSG_STS	5						+						[1..1]	Message Status	Status of the transaction Mapping from GPP status • Debit Failed – POSTREST, NSF, POSTEX • Failed for any other reason - REPAIR • Warehoused in GPP - SCHEDULED • Sent to clearing - WAIT_ACK / WAIT_CONFIRMATIO N • Liquidation success – COMPLETED • Liquidation Failed – NAK, REJECTED, RETURNED	Text {1,25}	GPP populates with Minf.P_STATUS of the original initiating message
OrigMsg	2			+										Original Message	The message that was sent out from GPP as a result of this Feeder transaction handoff (for example, pain.008.001.02, pacs.003.03 or SWIFT MT103) as text. This is populated only if Response Details indicate a successful handoff receipt, and only if outgoing message was created by the time this response is sent back. This can be used to show the customer the outcome of its payment initiation.		GPP populated from the MINF.XML_MSG of the original initiating transaction
ResponseDetails	2			+									[1..1]	Response Details			
returnCode	3				+								[1..1]	Return Code	The return code to indicate success (1) or failure (0) of account lookup	[0-9] {1, 5}	

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
description	3				+									[0..1]	Description	The description of the return code. Relevant only for a failure (0) <returnCode>	Text {1,250}	
errorsList	3				+									[0..n]	Error List	List of errors for this response		
error	4					+								[1..1]	Error			
code	5						+							[1..1]	Code	The return code to indicate success (1) or failure (0) of account lookup	[0-9] {1, 5}	
description	5						+							[0..1]	Description	The description of the return code – relevant only for a failure (0) <returnCode>	Text {1,250}	
dataArray	3				+									[0..n]	Data Array	List of additional information entries, if required		
data	4					+								[0..1]	Data	Additional information entry	Text {1,250}	

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Note: Level is provided in relative term to the Pmnt tag in the Fndt message.

Tag	L	0	1	2	3	4	5	6	7	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
Document	0	+								[1..1]	Document			specify in Attribute xmlns="Urn.iso:std:iso:20022:tech:xsd:pain.002.001.03"
<CstmrPmtStsRpt>	1		+							[1..1]				
GrpHdr	2			+						[1..1]	Group Header			

Tag	L	0	1	2	3	4	5	6	7	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
MsgId	3				+					[1..1]	Message Identification	Point to point reference, as assigned by the instructing party, and sent to the next party in the chain to unambiguously identify the message.	Text{1,16}	Message Id is internally generated by GPP application
CreDtTm	3				+					[1..1]	Request Date Time	The date and time (ISO date time format) at which the message was created.	ISO Date Time	Generated by GPP
NbOfTxs	3				+					[1..1]	No of Transactions	Number of individual transactions contained in the message.	Text[0-9]{1,15}	This interface will be used for single transaction handoff. So value will be 1
InitgPty	3				+					[1..1]	Initiating Party	Initiating Party Details		Mapped from details within original message
Nm	4					+				[1..1]	Initiating party Name	Name of Initiating party	Text{1.. 40}	
Id	4					+				[1..1]	Identification			
OrgId	5						+			[1..1]	Organization Identification			
Othr	6							+		[1..1]	Other			
Id	7								+	[1..1]	Identification	Identification assigned by an institution	Text{1..16}	
DbtrAgt	3				+					[0..1]	Debtor Agent	Financial institution servicing an account for the debtor		Mapped from details within original message
FinInstnId	4					+				[1..1]	Financial Institution Identification			
BIC	5						+			[0..1]	Debtor agent BIC	The BIC of the Debtor Agent	Text{4!a2!a2!c[3!c]}	
ClrSysMmbld	5						+			[0..1]	Clearing System Member Identification	Information used to identify a member within a clearing system		
MmbId	6							+		[1..1]	Member Identification			
Nm	5						+			[0..1]	Debtor agent Name	The name of the Debtor Agent		
CdtrAgt	3				+					[0..1]	Creditor Agent	Financial institution servicing an account for the creditor		Mapped from details within original message

Tag	L	0	1	2	3	4	5	6	7	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
FinInstnId	4					+				[1..1]	Financial Institution Identification			
BIC	5						+			[0..1]	Creditor agent BIC	The BIC of the Creditor Agent	Text{4!a2!a2!c[3!c]}	
ClrSysMmbId	5						+			[0..1]	Clearing System Member Identification	Information used to identify a member within a clearing system.		
MmbId	6							+		[1..1]	Member Identification			
Nm	5						+			[0..1]	Creditor agent Name	The name of the Creditor Agent		
OrgnlGrpInfAndSts	2			+						[1..1]	Original Group Information And Status	Original group information concerning the group of transactions, to which the status report message refers to.		
OrgnlMsgId	3				+					[1..1]	Original Message Identification	Point to point reference assigned by the original instructing party to unambiguously identify the original group of individual transactions.	Text {1,35}	The point to point reference quoted in the original message – • MsgId tag if original message was either pain.001 or pain.008 • Message reference from the header of the MT101
OrgnlMsgNmId	3				+					[1..1]	Original Message Name Identification	Specifies the original message name identifier to which the message refers e.g. pain.001.001.03. pain.008.001.03.	Text {1,35}	GPP to echo back the message name of the original initiating message
OrgnlCreDtTm	3				+					[0..1]	Original Creation Date Time	Date and time at which the original message was created.	ISODateTime	GPP to echo back the CreDtTm of the original initiating message.
OrgnlNbOfTxs	3				+					[0..1]	Original Number Of Transactions	Number of individual transactions contained in the original message.	Text {1,15}	GPP to echo back the NbOfTxs of the original initiating message.
OrgnlCtrlSum	3				+					[0..1]	Original Control Sum	Total of all individual amounts included in the original message, irrespective of currencies	fractionDigits : 17 TotalDigits: 18	GPP to echo back the CtrlSum of the original initiating message.

Tag	L	0	1	2	3	4	5	6	7	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
OrgnlPmtInf AndSts	2			+						[0..n]	Original Payment Information And Status			
OrgnlPmtInfl d	3				+					[1..1]	Original Payment Information Identification			
TxInfAndSts	3				+					[0..n]	Transaction Information and Status			
StsId	4					+				[0..1]	Status Identification	Unique identification, as assigned by GPP to unambiguously identify the reported status. Usage: The instructing party is the party sending the status message and not the party that sent the original instruction that is being reported on.	Text {1,35}	GPP to populate with the original MID of the original initiating message.
OrgnlInstrId	4					+				[0..1]	Original Instruction Identification	Unique identification, as assigned by the original instructing party for the original instructed party, to unambiguously identify the original instruction	Text {1,35}	GPP to echo back the InstrId (or field 20 in SWIFT) of the original initiating message.
OrgnlEndTo EndId	4					+				[0..1]	Original End To End Identification	Unique identification, as assigned by the original initiating party, to unambiguously identify the original transaction	Text {1,35}	GPP to echo back the EndToEndId (or field 21 in SWIFT) of the original initiating message.
TxSts	4					+				[0..1]	Transaction Status	Specifies the status of a transaction, in a coded form.	Text {1,4} (Enum)	Element: Status Acceptable Statuses: • RJCT (Unsuccessful) • ACTC (Successful) • ACSP (Accepted) • PDNG (Pending) This is status from GPP that is returned to the channels.
StsRsnInf	4					+				[0..n]	Status Reason Information	Set of elements used to provide detailed information on the status reason		
Rsn	5						+			[0..1]	Reason	Specifies the reason for the status report.		

Tag	L	0	1	2	3	4	5	6	7	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
Cd	6							+		{Or [1..1]	Proprietary	Reason for the status, in a proprietary form	Text {1,35}	Element: Reason Code Reason Code according to GPP standard. It has values where the source of the reason code is generated and the original code itself.
Prtry	6							+		Or} [1..1]	Proprietary	Reason for the status, in a proprietary form	Text {1,35}	Element: Reason Code Reason Code according to GPP standard. It has values where the source of the reason code is generated and the original code itself.
AddtlInf	5						+			[0..n]	Additional information	Additional information about the reason This field stores the error text, e.g. "Length of STP field Account No value is less then defined minimum length: [7]", etc.	Text {1,105}	Each occurrence populated with the relevant error text
OrgnlTxRef	4					+				[0..1]	OriginalTransactionReference	Set of key elements used to identify the original transaction that is being referred to		
IntrBkSttlmAmt and Ccy	5						+			[0..1]	Interbank Settlement Amount	Amount of money moved between the instructing agent and the instructed agent	fractionDigits: 5 minInclusive: 0 totalDigits: 18, [A-Z]{3,3}	GPP to echo back the settlement amount and currency of the original initiating message.
IntrBkSttlmDt	5						+			[0..1]	Interbank Settlement Date	Date on which the amount of money ceases to be available to the agent that owes it and when the amount of money becomes available to the agent to which it is due.	ISO Date	GPP to echo back the settlement date of the original initiating message.
PmtMtd	5						+			[0..1]	PaymentMethod	Specifies the transfer method that was used by the instructing agent to transfer the funds to the creditor.	Text {1,3} (Enum)	GPP populates with Transaction Code of the original initiating message.
Dbtr	5						+			[0..1]	Debtor	Debtor details		
DbtrAcct	5						+			[0..1]	Debtor Account	Debtor account details		
DbtrAgt	5						+			[0..1]	Debtor Agent	Debtor agent details		
CdtrAgt	5						+			[0..1]	Creditor Agent	Creditor agent details		
Cdtr	5						+			[0..1]	Creditor	Creditor details		

Tag	L	0	1	2	3	4	5	6	7	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
CdtrAcct	5						+			[0..1]	Creditor Account	Creditor account details		

2.2.2   Options for More Detailed Scope

In addition to the minimal scope defined above, configuration can be done to include additional information as per financial institution requirements. This additional information may include:

- Additional information under the ProcessingPersistentInfo extension, on top of just the status and the P_TX_ID which are the minimal information. This information can include:

  o   Details on the credit and debit side accounts, customers, amounts, MOP

  o   Details on the original message, for example, message type, settlement date and amount, source

- Additional extensions with more information to shed more light on the processing of the original message. Such as:

  o   The Monitors extension – including the state of various monitors.

  o   The ReferenceData extension – that can include additional information on the debit and credit customers, accounts and MOPs.

3   Usage

For more information on logic related to STP processing, usage of the information provided in the Feeder interface, related manual handling and related configuration see Feeder Interface section in the GPP Business Guide System Integration - Single Payment document.

Appendix A: Glossary of Terms

This table lists the terms used in this document.

Term	Description
Fndt Message	The FuNDs Transfer message structure is a GPP specific XML structure that is comprising of the full set of information as received, enriched, computed or manually updated per message. This structure is used as part of the standard interfaces for interacting with financial institution systems.
ISO	International Organization for Standards

The prefix convention for naming transaction attribute fields is described in this table:

Prefix	Meaning	Explanation
T_	Tree	Place holder in the tree view that hold the relevant associated information. For example: T_PARTIES holds all of the transaction parties
X_	XML	ISO (<pmnt>) information that is stored in an XML structure in the XML_MSG
OX_	Original XML	Copy of the originally received XML transaction (<pmnt>) information that is stored in an XML structure in ORIG_XML_MSG
OC_	Original Copy of XML field	Prefix used if there is more than one way to receive specific data. Example: OX_CDTR_AGT_BIC_1OR or OX_CDTR_AGT_BIC_2AND. GPP copies the data into OC_CDTR_AGT_BIC to facilitate determining whether creditor agent BIC was provided or not. Relevant only for originally received attributes.
P_	Process	GPP extension field for transaction data that cannot be placed in the ISO standard format. Commonly used attributes: P_MID, P_OFFICE, etc.
F_	GPP derived transaction attribute	Derived attribute that are taken from the static data profile that is associated with transaction details. For example, after P_CDT_MOP is determined, the related credit MOP profile attributes are set in these fields. Examples: F_CDT_MOP_NM is the credit MOP name derived from the credit MOP value. F_MOP_NM is associated with the debit MOP.
D_	Derived	Derived attributes that are calculated 'on the fly' while the GPP service is calculating the information. Derived fields are not stored in the transaction after processing is completed, or stopped for manual handling or wait. Therefore, they usually cannot be used as a condition in business rules.

Prefix	Meaning	Explanation
MU MF MI	User Monitor Flow (service) monitor Interface monitor	Monitors are divided into three categories: • User monitors that track the user action over the UI such as forcing a transaction out of the insufficient funds queue • Workflow monitors – internal monitors in the code that track the payment processing flow • Interface monitors that monitor interface interactions These P_ field attributes hold the monitor statuses strings for every transaction. P_USER_STATE_MONITOR - for User Monitors – MU_ prefix for specific user action monitors within the P_USER_STATE_MONITOR string P_SERVICE_STATE_MONITOR - for Flow Monitors – MF_ prefix for specific flow monitors within the P_SERVICE_STATE_MONITOR string P_INTERFACE_STATE_MONITOR - for Interface Monitors – MI_ prefix for specific interface interaction monitors within the P_INTERFACE_STATE_MONITOR string The location of each monitor in the string field is defined by LOGICAL_FIELDS.LOCATION. The first location is 0 (zero). Example of a monitor string P_ field value: XXXXXXXXXXXXXXXXXXXXT. The following SQL can be used to check the full list of monitors as per their monitor string P_ field and their location: select lf.obj_ref_data_id, lf.location, lf.* from logical_fields lf where lf.obj_ref_data_id like '%MONITOR' order by 1,2

Appendix B: Conventions (Including Format and Presence)

This table details naming conventions (including explanation of the values in the format and presence) used in the interface structures in this document.

Term	Meaning
Tag name in Bold	Indicate Aggregates
ISO Date Time	Date Time formats defined as ISO Date Time will conform to ISO8601. Representation: **ISO Date Time with milliseconds:** YYYY-MM-DD [T] {0,1} HH:MM:SS.mmm [Z,-,+] {1,1} HH:MM {0,1} **ISO Date Time without milliseconds:** YYYY-MM-DD [T] {0,1} HH:MM:SS [Z,-,+] {1,1} HH:MM {0,1} Where: • YYYY is the year • MM is the month (01 - 12) • DD is the day (01 - 31) • T is a literal separator between the date and time portions (optional) • HH is the hour in 24 hour time • MM is the minutes • SS is the seconds • mmm is the milliseconds • Z is the time zone designator: Z for when time is in UTC time, OR +HH:MM; OR or -HH:MM
ISO Date	Date formats defined as ISO Date Time will conform to ISO8601. Representation: YYYY-MM-DD Where: • YYYY is the year, • MM is the month (01 - 12) • DD is the day (01 - 31)
ISO Decimal Values	Decimal values defined as ISO Decimal Values will use the ISO format definition using fractionDigits and totalDigits Where: • totalDigits defines the total number of digits in the number (on both sides of the decimal point) • fractionDigits defines the number of digits to the right of the decimal point (the fraction)
SWIFT Date	Date formats defined as SWIFT Date will conform to SWIFT representation: YYMMDD Where: • YY is the year • MM is the month (01 - 12) • DD is the day (01 - 31)

Term	Meaning
SWIFT Decimal Values	Decimal values defined as SWIFT Decimal Values will use the SWIFT representation of digits and a comma acting as the decimal separator between the fraction and the full number
Presence (Cardinality)	0..1 means Optional 1..1 means Required 0..n means Optional and may have multiple occurrences (limited to specified n) 1..n means required and may have multiple occurrences (limited to specified n)
String format	[character set] {min length, max length} [A-Z] means only upper letter characters [a-z] means only lower letter characters [0-9] means only digits [A-Za-z] means upper and lower letter characters - Text means all characters {1,6} means a string at least one character long and no longer than 6 characters

Appendix C: Scenarios and Examples for Feeder Handoff

The below are examples of various scenarios of Feeder Handoff using the various optional functionality supported by the system.

These can be used as guidelines for usage of this interface and the following GPP processing.

C.1 Simple Minimal Handoff

In this scenario the only added information on top of the transaction message text itself (within the <Pmnt> section) is the P_TX_ID reference (within ProcessingPersistentInfo extension).

This is an example with ISO pain.001 message for Credit transfer.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <contextName>Feeder</contextName>
        <contextLocalName>ABCD</contextLocalName>
        <credentials>
            <UserID>SYS_USER</UserID>
            <Role>SYS_ROLE</Role>
        </credentials>
        <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
    </Header>
    <Msg>
        <Pmnt>
            <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
                <CstmrCdtTrfInitn>
                    <GrpHdr>
                        <MsgId>CTv422-001</MsgId>
                        <CreDtTm>2008-06-25T06:19:06</CreDtTm>
                        <NbOfTxs>1</NbOfTxs>
                        <CtrlSum>700</CtrlSum>
                        <InitgPty>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </InitgPty>
                    </GrpHdr>
                    <PmtInf>
                        <PmtMtd>TRF</PmtMtd>
                        <BtchBookg>false</BtchBookg>
                        <ReqdExctnDt>2009-05-04</ReqdExctnDt>
                        <Dbtr>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </Dbtr>
                        <DbtrAcct>
                            <Id>
                                <Othr>
                                    <Id>22222222</Id>
                                </Othr>
                            </Id>
                            <Ccy>USD</Ccy>
                        </DbtrAcct>
```

```xml
                    <DbtrAgt>
                        <FinInstnId>
                            <BIC>BRASUS3MXXX</BIC>
                        </FinInstnId>
                    </DbtrAgt>
                    <CdtTrfTxInf>
                        <PmtId>
                            <InstrId>ADv41-04</InstrId>
                            <EndToEndId>CTv4228</EndToEndId>
                        </PmtId>
                        <Amt>
                            <InstdAmt Ccy="USD">700</InstdAmt>
                        </Amt>
                        <ChrgBr>CRED</ChrgBr>
                        <CdtrAgt>
                            <FinInstnId>
                                <BIC>BOFAUS3NXXX</BIC>
                            </FinInstnId>
                        </CdtrAgt>
                        <Cdtr>
                            <Nm>NON BDB CUST</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>14050600NB</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </Cdtr>
                        <CdtrAcct>
                            <Id>
                                <Othr>
                                    <Id>8552503</Id>
                                </Othr>
                            </Id>
                        </CdtrAcct>
                    </CdtTrfTxInf>
                </PmtInf>
            </CstmrCdtTrfInitn>
        </Document>
    </Pmnt>
    <Extn>
        <ProcessingPersistentInfo>
            <P_TX_ID>1234567890</P_TX_ID>
        </ProcessingPersistentInfo>
    </Extn>
  </Msg>
</FndtMsg>
```

Simple Feeder with only Pmnt and ref.xr

This is an example with ISO pain.008 message for Direct Debit (Drawdown) without Mandate reference details.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <contextName>Feeder</contextName>
        <contextLocalName>ABCD</contextLocalName>
        <credentials>
            <UserID>SYS_USER</UserID>
            <Role>SYS_ROLE</Role>
        </credentials>
        <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
    </Header>
```

```xml
<Msg>
    <Pmnt>
        <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.008.001.03"
 xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
            <CstmrDrctDbtInitn>
                <GrpHdr>
                    <MsgId>CTv422-001</MsgId>
                    <CreDtTm>2014-06-25T06:19:06</CreDtTm>
                    <NbOfTxs>1</NbOfTxs>
                    <CtrlSum>700</CtrlSum>
                    <InitgPty>
                        <Nm>South Pacific</Nm>
                        <Id>
                            <OrgId>
                                <Othr>
                                    <Id>140506000S</Id>
                                </Othr>
                            </OrgId>
                        </Id>
                    </InitgPty>
                </GrpHdr>
                <PmtInf>
                    <PmtInfId>2100000009</PmtInfId>
                    <PmtMtd>DD</PmtMtd>
                    <BtchBookg>false</BtchBookg>
                    <ReqdColltnDt>2014-06-25</ReqdColltnDt>
                    <Cdtr>
                        <Nm>South Pacific</Nm>
                        <Id>
                            <OrgId>
                                <Othr>
                                    <Id>140506000S</Id>
                                </Othr>
                            </OrgId>
                        </Id>
                    </Cdtr>
                    <CdtrAcct>
                        <Id>
                            <Othr>
                                <Id>333333333</Id>
                            </Othr>
                        </Id>
                        <Ccy>USD</Ccy>
                    </CdtrAcct>
                    <CdtrAgt>
                        <FinInstnId>
                            <BIC>BRASUS3MXXX</BIC>
                        </FinInstnId>
                    </CdtrAgt>
                    <DrctDbtTxInf>
                        <PmtId>
                            <InstrId>ADv41045</InstrId>
                            <EndToEndId>DDv4230</EndToEndId>
                        </PmtId>
                        <PmtTpInf/>
                        <Amt>
                            <InstdAmt Ccy="USD">700</InstdAmt>
                        </Amt>
                        <DbtrAgt>
                            <FinInstnId>
                                <BIC>BOFAUS3NXXX</BIC>
                            </FinInstnId>
                        </DbtrAgt>
                        <Dbtr>
                            <Nm>NON BDB CUST</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>14050600NB</Id>
                                    </Othr>
                                </OrgId>
```

```
                                        </Id>
                                    </Dbtr>
                                    <DbtrAcct>
                                        <Id>
                                            <Othr>
                                                <Id>8552503</Id>
                                            </Othr>
                                        </Id>
                                    </DbtrAcct>
                                </DrctDbtTxInf>
                            </PmtInf>
                        </CstmrDrctDbtInitn>
                    </Document>
                </Pmnt>
                <Extn>
                    <ProcessingPersistentInfo>
                        <P_TX_ID>1234567890</P_TX_ID>
                    </ProcessingPersistentInfo>
                </Extn>
            </Msg>
        </FndtMsg>
```

Simple Feeder with
only Pmnt and ref - I

C.2 Outgoing Single Credit Transfer Handoff with Suggested MOP

This is an example with suggested MOP as local clearing (FED).

```
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <contextName>Feeder</contextName>
        <contextLocalName>ABCD</contextLocalName>
        <credentials>
            <UserID>SYS_USER</UserID>
            <Role>SYS_ROLE</Role>
        </credentials>
        <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
    </Header>
    <Msg>
        <Pmnt>
            <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
                <CstmrCdtTrfInitn>
                    <GrpHdr>
                        <MsgId>CTv422-001</MsgId>
                        <CreDtTm>2008-06-25T06:19:06</CreDtTm>
                        <NbOfTxs>1</NbOfTxs>
                        <CtrlSum>700</CtrlSum>
                        <InitgPty>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </InitgPty>
                    </GrpHdr>
                    <PmtInf>
                        <PmtMtd>TRF</PmtMtd>
                        <BtchBookg>false</BtchBookg>
                        <ReqdExctnDt>2009-05-04</ReqdExctnDt>
```

```xml
            <Dbtr>
                <Nm>South Pacific</Nm>
                <Id>
                    <OrgId>
                        <Othr>
                            <Id>140506000S</Id>
                        </Othr>
                    </OrgId>
                </Id>
            </Dbtr>
            <DbtrAcct>
                <Id>
                    <Othr>
                        <Id>22222222</Id>
                    </Othr>
                </Id>
                <Ccy>USD</Ccy>
            </DbtrAcct>
            <DbtrAgt>
                <FinInstnId>
                    <BIC>BRASUS3MXXX</BIC>
                </FinInstnId>
            </DbtrAgt>
            <CdtTrfTxInf>
                <PmtId>
                    <InstrId>ADv41-04</InstrId>
                    <EndToEndId>CTv4228</EndToEndId>
                </PmtId>
                <Amt>
                    <InstdAmt Ccy="USD">700</InstdAmt>
                </Amt>
                <ChrgBr>CRED</ChrgBr>
                <CdtrAgt>
                    <FinInstnId>
                        <BIC>BOFAUS3NXXX</BIC>
                    </FinInstnId>
                </CdtrAgt>
                <Cdtr>
                    <Nm>NON BANK CUST</Nm>
                    <Id>
                        <OrgId>
                            <Othr>
                                <Id>14050600NB</Id>
                            </Othr>
                        </OrgId>
                    </Id>
                </Cdtr>
                <CdtrAcct>
                    <Id>
                        <Othr>
                            <Id>8552503</Id>
                        </Othr>
                    </Id>
                </CdtrAcct>
            </CdtTrfTxInf>
        </PmtInf>
    </CstmrCdtTrfInitn>
    </Document>
    </Pmnt>
    <Extn>
        <ProcessingPersistentInfo>
            <P_OFFICE>US1</P_OFFICE>
            <P_TX_ID>1234567890</P_TX_ID>
            <CreditSide>
                <P_CDT_MOP>FED</P_CDT_MOP>
            </CreditSide>
        </ProcessingPersistentInfo>
    </Extn>
    </Msg>
</FndtMsg>
```

Feeder with
suggested MOP.xml

C.3 Outgoing Single Credit Transfer Handoff with Instructed MOP

This is an example with instructed MOP as local clearing (FED).

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <contextName>Feeder</contextName>
        <contextLocalName>ABCD</contextLocalName>
        <credentials>
            <UserID>SYS_USER</UserID>
            <Role>SYS_ROLE</Role>
        </credentials>
        <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
    </Header>
    <Msg>
        <Pmnt>
            <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
 xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
                <CstmrCdtTrfInitn>
                    <GrpHdr>
                        <MsgId>CTv422-001</MsgId>
                        <CreDtTm>2008-06-25T06:19:06</CreDtTm>
                        <NbOfTxs>1</NbOfTxs>
                        <CtrlSum>700</CtrlSum>
                        <InitgPty>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </InitgPty>
                    </GrpHdr>
                    <PmtInf>
                        <PmtMtd>TRF</PmtMtd>
                        <BtchBookg>false</BtchBookg>
                        <ReqdExctnDt>2009-05-04</ReqdExctnDt>
                        <Dbtr>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </Dbtr>
                        <DbtrAcct>
                            <Id>
                                <Othr>
                                    <Id>22222222</Id>
                                </Othr>
                            </Id>
                            <Ccy>USD</Ccy>
                        </DbtrAcct>
                        <DbtrAgt>
                            <FinInstnId>
                                <BIC>BRASUS3MXXX</BIC>
```

```xml
                </FinInstnId>
            </DbtrAgt>
            <CdtTrfTxInf>
                <PmtId>
                    <InstrId>ADv41-04</InstrId>
                    <EndToEndId>CTv4228</EndToEndId>
                </PmtId>
                <Amt>
                    <InstdAmt Ccy="USD">700</InstdAmt>
                </Amt>
                <ChrgBr>CRED</ChrgBr>
                <CdtrAgt>
                    <FinInstnId>
                        <BIC>BOFAUS3NXXX</BIC>
                    </FinInstnId>
                </CdtrAgt>
                <Cdtr>
                    <Nm>NON BANK CUST</Nm>
                    <Id>
                        <OrgId>
                            <Othr>
                                <Id>14050600NB</Id>
                            </Othr>
                        </OrgId>
                    </Id>
                </Cdtr>
                <CdtrAcct>
                    <Id>
                        <Othr>
                            <Id>8552503</Id>
                        </Othr>
                    </Id>
                </CdtrAcct>
            </CdtTrfTxInf>
        </PmtInf>
    </CstmrCdtTrfInitn>
</Document>
</Pmnt>
<Extn>
    <ProcessingPersistentInfo>
        <P_OFFICE>US1</P_OFFICE>
        <P_TX_ID>1234567890</P_TX_ID>
        <CreditSide>
            <P_CDT_MOP>FED</P_CDT_MOP>
        </CreditSide>
    </ProcessingPersistentInfo>
    <Monitors>
        <UserMonitor>
            <MU_SET_CDT_MOP>F</MU_SET_CDT_MOP>
        </UserMonitor >
    </Monitors>
</Extn>
</Msg>
</FndtMsg>
```

Feeder with
instructed MOP.xml

C.4 Outgoing Single Credit Transfer Handoff with Fees

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <contextName>Feeder</contextName>
        <contextLocalName>ABCD</contextLocalName>
        <credentials>
            <UserID>SYS_USER</UserID>
            <Role>SYS_ROLE</Role>
        </credentials>
        <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
    </Header>
    <Msg>
        <Pmnt>
            <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
 xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
                <CstmrCdtTrfInitn>
                    <GrpHdr>
                        <MsgId>CTv422-001</MsgId>
                        <CreDtTm>2008-06-25T06:19:06</CreDtTm>
                        <NbOfTxs>1</NbOfTxs>
                        <CtrlSum>700</CtrlSum>
                        <InitgPty>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </InitgPty>
                    </GrpHdr>
                    <PmtInf>
                        <PmtMtd>TRF</PmtMtd>
                        <BtchBookg>false</BtchBookg>
                        <ReqdExctnDt>2009-05-04</ReqdExctnDt>
                        <Dbtr>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </Dbtr>
                        <DbtrAcct>
                            <Id>
                                <Othr>
                                    <Id>22222222</Id>
                                </Othr>
                            </Id>
                            <Ccy>USD</Ccy>
                        </DbtrAcct>
                        <DbtrAgt>
                            <FinInstnId>
                                <BIC>BRASUS3MXXX</BIC>
                            </FinInstnId>
                        </DbtrAgt>
                        <CdtTrfTxInf>
                            <PmtId>
                                <InstrId>ADv41-04</InstrId>
                                <EndToEndId>CTv4228</EndToEndId>
                            </PmtId>
                            <Amt>
                                <InstdAmt Ccy="USD">700</InstdAmt>
                            </Amt>
                            <ChrgBr>CRED</ChrgBr>
```

```xml
                <CdtrAgt>
                    <FinInstnId>
                        <BIC>BOFAUS3NXXX</BIC>
                    </FinInstnId>
                </CdtrAgt>
                <Cdtr>
                    <Nm>NON BANK CUST</Nm>
                    <Id>
                        <OrgId>
                            <Othr>
                                <Id>14050600NB</Id>
                            </Othr>
                        </OrgId>
                    </Id>
                </Cdtr>
                <CdtrAcct>
                    <Id>
                        <Othr>
                            <Id>8552503</Id>
                        </Othr>
                    </Id>
                </CdtrAcct>
            </CdtTrfTxInf>
        </PmtInf>
    </CstmrCdtTrfInitn>
</Document>
</Pmnt>
<Extn>
    <MsgFees>
        <M_MSG_FEES_LINE>
            <F_MSG_FEES_MANUAL_FEE>2</F_MSG_FEES_MANUAL_FEE>
            <F_MSG_FEES_DEDUCT_FROM>P</F_MSG_FEES_DEDUCT_FROM>
            <F_MSG_FEES_FEE_AMOUNT>5</F_MSG_FEES_FEE_AMOUNT>
            <F_MSG_FEES_FEE_APPLY>NOW</F_MSG_FEES_FEE_APPLY>
            <F_MSG_FEES_FEE_CURRENCY>USD</F_MSG_FEES_FEE_CURRENCY>
            <F_MSG_FEES_FEE_TYPE_UID>US1^FEDFEE</F_MSG_FEES_FEE_TYPE_UID>
            <F_MSG_FEES_PAYING_PARTY>DR</F_MSG_FEES_PAYING_PARTY>
        </M_MSG_FEES_LINE>
    </MsgFees>
    <ProcessingPersistentInfo>
        <P_TX_ID>1234567890</P_TX_ID>
    </ProcessingPersistentInfo>
</Extn>
</Msg>
</FndtMsg>
```

Feeder with
Fees.xml

C.5 Outgoing Single Credit Transfer Handoff with Account, Customer and Contact Information

Debtor is a financial institution customer, and customer, account and contact details are not managed in GPP. Feeder system can provide customer, account and contact details as part of this handoff, instead of another invocation for Account Lookup.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <contextName>Feeder</contextName>
        <contextLocalName>ABCD</contextLocalName>
        <credentials>
            <UserID>SYS_USER</UserID>
            <Role>SYS_ROLE</Role>
```

```xml
            </credentials>
            <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
      </Header>
      <Msg>
         <Pmnt>
            <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
 xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
               <CstmrCdtTrfInitn>
                  <GrpHdr>
                     <MsgId>CTv422-001</MsgId>
                     <CreDtTm>2008-06-25T06:19:06</CreDtTm>
                     <NbOfTxs>1</NbOfTxs>
                     <CtrlSum>700</CtrlSum>
                     <InitgPty>
                        <Nm>South Pacific</Nm>
                        <Id>
                           <OrgId>
                              <Othr>
                                 <Id>140506000S</Id>
                              </Othr>
                           </OrgId>
                        </Id>
                     </InitgPty>
                  </GrpHdr>
                  <PmtInf>
                     <PmtMtd>TRF</PmtMtd>
                     <BtchBookg>false</BtchBookg>
                     <ReqdExctnDt>2009-05-04</ReqdExctnDt>
                     <Dbtr>
                        <Nm>South Pacific</Nm>
                        <Id>
                           <OrgId>
                              <Othr>
                                 <Id>140506000S</Id>
                              </Othr>
                           </OrgId>
                        </Id>
                     </Dbtr>
                     <DbtrAcct>
                        <Id>
                           <Othr>
                              <Id>22222222</Id>
                           </Othr>
                        </Id>
                        <Ccy>USD</Ccy>
                     </DbtrAcct>
                     <DbtrAgt>
                        <FinInstnId>
                           <BIC>BRASUS3MXXX</BIC>
                        </FinInstnId>
                     </DbtrAgt>
                     <CdtTrfTxInf>
                        <PmtId>
                           <InstrId>ADv41-04</InstrId>
                           <EndToEndId>CTv4228</EndToEndId>
                        </PmtId>
                        <Amt>
                           <InstdAmt Ccy="USD">700</InstdAmt>
                        </Amt>
                        <ChrgBr>CRED</ChrgBr>
                        <CdtrAgt>
                           <FinInstnId>
                              <BIC>BRASUS3MXXX</BIC>
                           </FinInstnId>
                        </CdtrAgt>
                        <Cdtr>
                           <Nm>ANOTHER BANK CUST</Nm>
                           <Id>
                              <OrgId>
                                 <Othr>
                                    <Id>140506000F</Id>
```

```
                                    </Othr>
                                </OrgId>
                            </Id>
                        </Cdtr>
                        <CdtrAcct>
                            <Id>
                                <Othr>
                                    <Id>8552502</Id>
                                </Othr>
                            </Id>
                            <Ccy>USD</Ccy>
                        </CdtrAcct>
                    </CdtTrfTxInf>
                </PmtInf>
            </CstmrCdtTrfInitn>
        </Document>
    </Pmnt>
    <Extn>
        <ProcessingPersistentInfo>
            <P_TX_ID>1234567890</P_TX_ID>
            <DebitSide>
                <P_DBT_ACCT_NB>22222222</P_DBT_ACCT_NB>
                <P_DBT_ACCT_CCY>USD</P_DBT_ACCT_CCY>
                <P_DBT_ACCT_OFFICE>XX1</P_DBT_ACCT_OFFICE>
            </DebitSide>
        </ProcessingPersistentInfo>
        <ReferenceData>
            <M_DBT_CUST_PROFILE>
                <F_DBT_CUST_CUST_CATEGORY>YYY</F_DBT_CUST_CUST_CATEGORY>
                <F_DBT_CUST_CUST_NAME>South Pacific</F_DBT_CUST_CUST_NAME>
                <F_DBT_CUST_PROFESSION>ZZZZ</F_DBT_CUST_PROFESSION>
                <F_DBT_CUST_SWIFT_ID>BISFAEA1</F_DBT_CUST_SWIFT_ID>
                <F_DBT_CUST_ABA>211122232</F_DBT_CUST_ABA>
                <F_DBT_CUST_ALIAS>2111</F_DBT_CUST_ALIAS>
                <F_DBT_CUST_BASE_NO>XXXYYYMMMTTT</F_DBT_CUST_BASE_NO>
                <F_DBT_CUST_FEE_ACCOUNT_NO>2244667788</F_DBT_CUST_FEE_ACCOUNT_NO>
                <F_DBT_CUST_FEE_ACCOUNT_CCY>USD</F_DBT_CUST_FEE_ACCOUNT_CCY>
                <F_DBT_CUST_FEE_ACCOUNT_OFFICE>XX1</F_DBT_CUST_FEE_ACCOUNT_OFFICE>
                <F_DBT_CUST_COUNTRYCODE>AE</F_DBT_CUST_COUNTRYCODE>
                <F_DBT_CUST_CITY>RAS AL KHAIMAH</F_DBT_CUST_CITY>
                <F_DBT_CUST_ADDRESS1>Business Center 04, Floor 6</F_DBT_CUST_ADDRESS1>
                <F_DBT_CUST_ADDRESS2>Business Park, 610a, Free Trade
Zon</F_DBT_CUST_ADDRESS2>
            </M_DBT_CUST_PROFILE>
            <M_DBT_ACCOUNT>
                <F_DBT_ACCT_ASSET>1</F_DBT_ACCT_ASSET>
                <F_DBT_ACCT_BOOKNG_ENT>xxx</F_DBT_ACCT_BOOKNG_ENT>
                <F_DBT_ACCT_ACC_TYPE>VOS</F_DBT_ACCT_ACC_TYPE>
                <F_DBT_ACCT_IS_RESIDENT>1</F_DBT_ACCT_IS_RESIDENT>
            </M_DBT_ACCOUNT>
            <M_CONTACT_INFO>
                <M_CONTACT_LINE>
                    <F_CONTACT_OF>DR_ACC</F_CONTACT_OF >
                    <F_CONTACT_NAME>Jack Wilson</F_CONTACT_NAME>
                    <F_CONTACT_DESCRIPTION>Relationship Manager</F_CONTACT_DESCRIPTION>
                    <F_CONTACT_PHONE>97254222334456</F_CONTACT_PHONE>
                    <F_CONTACT_FAX>97254222334111</F_CONTACT_FAX>
                    <F_CONTACT_EMAIL>jack.wilson@katota.com</F_CONTACT_EMAIL>
                    <F_CONTACT_ADDRESS1>Business Center 04, Floor 6</F_CONTACT_ADDRESS1>
                    <F_CONTACT_ADDRESS2>Business Park, 610a, Free Trade
Zon</F_CONTACT_ADDRESS2>
                    <F_CONTACT_ADDRESS3> RAS AL KHAIMAH, AE</F_CONTACT_ADDRESS3>
                </M_CONTACT_LINE>
                <M_CONTACT_LINE>
                    <F_CONTACT_OF>DR_ACC</F_CONTACT_OF >
                    <F_CONTACT_NAME>Laora Adams</F_CONTACT_NAME>
                    <F_CONTACT_DESCRIPTION>Head Relationship
Manager</F_CONTACT_DESCRIPTION>
                    <F_CONTACT_PHONE>97254222334666</F_CONTACT_PHONE>
                    <F_CONTACT_FAX>97254222334111</F_CONTACT_FAX>
                    <F_CONTACT_EMAIL>laora.adams@katota.com</F_CONTACT_EMAIL>
```

```
                            <F_CONTACT_ADDRESS1>Business Center 04, Floor 6</F_CONTACT_ADDRESS1>
                            <F_CONTACT_ADDRESS2>Business Park, 610a, Free Trade
Zon</F_CONTACT_ADDRESS2>
                            <F_CONTACT_ADDRESS3> RAS AL KHAIMAH, AE</F_CONTACT_ADDRESS3>
                        </M_CONTACT_LINE>
                    </M_CONTACT_INFO>
                </ReferenceData>
            </Extn>
        </Msg>
    </FndtMsg>
```

Feeder with cust
account and contact

C.6 Outgoing Single Credit Transfer Handoff with Forward Contract Rates

The first 875 will converted using the first contract (and rate) and the rest will be converted using the second contract (and rate).

```
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <contextName>Feeder</contextName>
        <contextLocalName>ABCD</contextLocalName>
        <credentials>
            <UserID>SYS_USER</UserID>
            <Role>SYS_ROLE</Role>
        </credentials>
        <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
    </Header>
    <Msg>
        <Pmnt>
            <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
                <CstmrCdtTrfInitn>
                    <GrpHdr>
                        <MsgId>CTv422-001</MsgId>
                        <CreDtTm>2008-06-25T06:19:06</CreDtTm>
                        <NbOfTxs>1</NbOfTxs>
                        <CtrlSum>700</CtrlSum>
                        <InitgPty>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </InitgPty>
                    </GrpHdr>
                    <PmtInf>
                        <PmtMtd>TRF</PmtMtd>
                        <BtchBookg>false</BtchBookg>
                        <ReqdExctnDt>2009-05-04</ReqdExctnDt>
                        <Dbtr>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
```

```xml
            </Dbtr>
            <DbtrAcct>
                <Id>
                    <Othr>
                        <Id>22222222</Id>
                    </Othr>
                </Id>
                <Ccy>USD</Ccy>
            </DbtrAcct>
            <DbtrAgt>
                <FinInstnId>
                    <BIC>BRASUS3MXXX</BIC>
                </FinInstnId>
            </DbtrAgt>
            <CdtTrfTxInf>
                <PmtId>
                    <InstrId>ADv41-04</InstrId>
                    <EndToEndId>CTv4228</EndToEndId>
                </PmtId>
                <Amt>
                    <InstdAmt Ccy="GBP">7000</InstdAmt>
                </Amt>
                <ChrgBr>CRED</ChrgBr>
                <CdtrAgt>
                    <FinInstnId>
                        <BIC>BOFAGB2LXXX</BIC>
                    </FinInstnId>
                </CdtrAgt>
                <Cdtr>
                    <Nm>NON BDB CUST GB</Nm>
                    <Id>
                        <OrgId>
                            <Othr>
                                <Id>14050600GB</Id>
                            </Othr>
                        </OrgId>
                    </Id>
                </Cdtr>
                <CdtrAcct>
                    <Id>
                        <Othr>
                            <Id>8552504</Id>
                        </Othr>
                    </Id>
                </CdtrAcct>
            </CdtTrfTxInf>
        </PmtInf>
    </CstmrCdtTrfInitn>
</Document>
</Pmnt>
<Extn>
    <MsgRates>
        <M_FC_LINE>
            <F_FC_CONTRACT>0000123</F_FC_CONTRACT>
            <F_FC_AMOUNT>875</F_FC_AMOUNT>
            <F_FC_RATE>1.25</F_FC_RATE>
            <F_FC_CURRENCY1>GBP</F_FC_CURRENCY1>
            <F_FC_CURRENCY2>USD</F_FC_CURRENCY2>
            <F_FC_SPREAD>0.02</F_FC_SPREAD>
            <F_FC_SPREAD_UNITS>PTS</F_FC_SPREAD_UNITS>
            <F_FC_CONVERSION_TYPE>DR</F_FC_CONVERSION_TYPE>
            <F_FC_FORWARD_CONTRACT>0</F_FC_FORWARD_CONTRACT>
            <F_FC_CUSTOMER_ID>140506000S</F_FC_CUSTOMER_ID>
            <F_FC_LATEST_DATE>2010-05-04</F_FC_LATEST_DATE>
        </M_FC_LINE>
        <M_FC_LINE>
            <F_FC_CONTRACT>0000124</F_FC_CONTRACT>
            <F_FC_AMOUNT>1500</F_FC_AMOUNT>
            <F_FC_RATE>1.3</F_FC_RATE>
            <F_FC_CURRENCY1>GBP</F_FC_CURRENCY1>
            <F_FC_CURRENCY2>USD</F_FC_CURRENCY2>
```

```xml
            <F_FC_SPREAD>0.02</F_FC_SPREAD>
            <F_FC_SPREAD_UNITS>PTS</F_FC_SPREAD_UNITS>
            <F_FC_CONVERSION_TYPE>DR</F_FC_CONVERSION_TYPE>
            <F_FC_FORWARD_CONTRACT>0</F_FC_FORWARD_CONTRACT>
            <F_FC_CUSTOMER_ID>140506000S</F_FC_CUSTOMER_ID>
            <F_FC_LATEST_DATE>2010-05-04</F_FC_LATEST_DATE>
         </M_FC_LINE>
      </MsgRates>
      <ProcessingPersistentInfo>
         <P_TX_ID>1234567890</P_TX_ID>
      </ProcessingPersistentInfo>
   </Extn>
   </Msg>
</FndtMsg>
```

Feeder with
Forward Contract Ra

C.7 Outgoing Single Credit Transfer Handoff with Counter Rate and Spread

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
   <Header>
      <contextName>Feeder</contextName>
      <contextLocalName>ABCD</contextLocalName>
      <credentials>
         <UserID>SYS_USER</UserID>
         <Role>SYS_ROLE</Role>
      </credentials>
      <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
   </Header>
   <Msg>
      <Pmnt>
         <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
            <CstmrCdtTrfInitn>
               <GrpHdr>
                  <MsgId>CTv422-001</MsgId>
                  <CreDtTm>2008-06-25T06:19:06</CreDtTm>
                  <NbOfTxs>1</NbOfTxs>
                  <CtrlSum>700</CtrlSum>
                  <InitgPty>
                     <Nm>South Pacific</Nm>
                     <Id>
                        <OrgId>
                           <Othr>
                              <Id>140506000S</Id>
                           </Othr>
                        </OrgId>
                     </Id>
                  </InitgPty>
               </GrpHdr>
               <PmtInf>
                  <PmtMtd>TRF</PmtMtd>
                  <BtchBookg>false</BtchBookg>
                  <ReqdExctnDt>2009-05-04</ReqdExctnDt>
                  <Dbtr>
                     <Nm>South Pacific</Nm>
                     <Id>
                        <OrgId>
                           <Othr>
                              <Id>140506000S</Id>
                           </Othr>
                        </OrgId>
                     </Id>
```

```xml
                    </Dbtr>
                    <DbtrAcct>
                        <Id>
                            <Othr>
                                <Id>22222222</Id>
                            </Othr>
                        </Id>
                        <Ccy>USD</Ccy>
                    </DbtrAcct>
                    <DbtrAgt>
                        <FinInstnId>
                            <BIC>BRASUS3MXXX</BIC>
                        </FinInstnId>
                    </DbtrAgt>
                    <CdtTrfTxInf>
                        <PmtId>
                            <InstrId>ADv41-04</InstrId>
                            <EndToEndId>CTv4228</EndToEndId>
                        </PmtId>
                        <Amt>
                            <InstdAmt Ccy="GBP">7000</InstdAmt>
                        </Amt>
                        <ChrgBr>CRED</ChrgBr>
                        <CdtrAgt>
                            <FinInstnId>
                                <BIC>BOFAGB2LXXX</BIC>
                            </FinInstnId>
                        </CdtrAgt>
                        <Cdtr>
                            <Nm>NON BDB CUST GB</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>14050600GB</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </Cdtr>
                        <CdtrAcct>
                            <Id>
                                <Othr>
                                    <Id>8552504</Id>
                                </Othr>
                            </Id>
                        </CdtrAcct>
                    </CdtTrfTxInf>
                </PmtInf>
            </CstmrCdtTrfInitn>
        </Document>
    </Pmnt>
    <Extn>
        <MsgRates>
            <M_FC_LINE>
                <F_FC_CONTRACT>0000124</F_FC_CONTRACT>
                <F_FC_AMOUNT>1500</F_FC_AMOUNT>
                <F_FC_RATE>1.3</F_FC_RATE>
                <F_FC_CURRENCY1>GBP</F_FC_CURRENCY1>
                <F_FC_CURRENCY2>USD</F_FC_CURRENCY2>
                <F_FC_SPREAD>0.02</F_FC_SPREAD>
                <F_FC_SPREAD_UNITS>PTS</F_FC_SPREAD_UNITS>
                <F_FC_CONVERSION_TYPE>DR</F_FC_CONVERSION_TYPE>
                <F_FC_FORWARD_CONTRACT>3</F_FC_FORWARD_CONTRACT>
                <F_FC_CUSTOMER_ID>140506000S</F_FC_CUSTOMER_ID>
                <F_FC_LATEST_DATE>2010-05-04</F_FC_LATEST_DATE>
            </M_FC_LINE>
        </MsgRates>
        <ProcessingPersistentInfo>
            <P_TX_ID>1234567890</P_TX_ID>
        </ProcessingPersistentInfo>
    </Extn>
</Msg>
```

```xml
    </FndtMsg>
```

Feeder with
Counter Spread and

C.8 Outgoing Single Credit Transfer Handoff with Trigger Payment

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <contextName>Feeder</contextName>
        <contextLocalName>ABCD</contextLocalName>
        <credentials>
            <UserID>SYS_USER</UserID>
            <Role>SYS_ROLE</Role>
        </credentials>
        <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
    </Header>
    <Msg>
        <Pmnt>
            <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
 xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
                <CstmrCdtTrfInitn>
                    <GrpHdr>
                        <MsgId>CTv422-001</MsgId>
                        <CreDtTm>2008-06-25T06:19:06</CreDtTm>
                        <NbOfTxs>1</NbOfTxs>
                        <CtrlSum>700</CtrlSum>
                        <InitgPty>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </InitgPty>
                    </GrpHdr>
                    <PmtInf>
                        <PmtMtd>TRF</PmtMtd>
                        <BtchBookg>false</BtchBookg>
                        <ReqdExctnDt>2009-05-04</ReqdExctnDt>
                        <Dbtr>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </Dbtr>
                        <DbtrAcct>
                            <Id>
                                <Othr>
                                    <Id>22222222</Id>
                                </Othr>
                            </Id>
                            <Ccy>USD</Ccy>
                        </DbtrAcct>
                        <DbtrAgt>
                            <FinInstnId>
                                <BIC>BRASUS3MXXX</BIC>
                            </FinInstnId>
                        </DbtrAgt>
```

```xml
              <CdtTrfTxInf>
                  <PmtId>
                      <InstrId>ADv41-04</InstrId>
                      <EndToEndId>CTv4228</EndToEndId>
                  </PmtId>
                  <Amt>
                      <InstdAmt Ccy="GBP">7000</InstdAmt>
                  </Amt>
                  <ChrgBr>CRED</ChrgBr>
                  <CdtrAgt>
                      <FinInstnId>
                          <BIC>BOFAGB2LXXX</BIC>
                      </FinInstnId>
                  </CdtrAgt>
                  <Cdtr>
                      <Nm>NON BDB CUST GB</Nm>
                      <Id>
                          <OrgId>
                              <Othr>
                                  <Id>14050600GB</Id>
                              </Othr>
                          </OrgId>
                      </Id>
                  </Cdtr>
                  <CdtrAcct>
                      <Id>
                          <Othr>
                              <Id>8552504</Id>
                          </Othr>
                      </Id>
                  </CdtrAcct>
              </CdtTrfTxInf>
          </PmtInf>
      </CstmrCdtTrfInitn>
    </Document>
  </Pmnt>
  <Extn>
      <MsgRates>
          <M_FC_LINE>
              <F_FC_CONTRACT>0000124</F_FC_CONTRACT>
              <F_FC_AMOUNT>1500</F_FC_AMOUNT>
              <F_FC_CURRENCY1>GBP</F_FC_CURRENCY1>
              <F_FC_CURRENCY2>USD</F_FC_CURRENCY2>
              <F_FC_SPREAD>0.02</F_FC_SPREAD>
              <F_FC_SPREAD_UNITS>PTS</F_FC_SPREAD_UNITS>
              <F_FC_CONVERSION_TYPE>DR</F_FC_CONVERSION_TYPE>
              <F_FC_FORWARD_CONTRACT>3</F_FC_FORWARD_CONTRACT>
              <F_FC_CUSTOMER_ID>140506000S</F_FC_CUSTOMER_ID>
              <F_FC_LATEST_DATE>2010-05-04</F_FC_LATEST_DATE>
              <F_FC_TARGET_RATE>1.3</F_FC_TARGET_RATE>
          </M_FC_LINE>
      </MsgRates>
      <ProcessingPersistentInfo>
          <P_TX_ID>1234567890</P_TX_ID>
      </ProcessingPersistentInfo>
  </Extn>
  </Msg>
 </FndtMsg>
```

Feeder with Trigger
   Payment.xml

C.9 Outgoing Single Credit Transfer Handoff with Earmark Reference

This example shows Feeder with fees reported and also an earmark for the fess included.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <contextName>Feeder</contextName>
        <contextLocalName>ABCD</contextLocalName>
        <credentials>
            <UserID>SYS_USER</UserID>
            <Role>SYS_ROLE</Role>
        </credentials>
        <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
    </Header>
    <Msg>
        <Pmnt>
            <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
                <CstmrCdtTrfInitn>
                    <GrpHdr>
                        <MsgId>CTv422-001</MsgId>
                        <CreDtTm>2008-06-25T06:19:06</CreDtTm>
                        <NbOfTxs>1</NbOfTxs>
                        <CtrlSum>700</CtrlSum>
                        <InitgPty>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </InitgPty>
                    </GrpHdr>
                    <PmtInf>
                        <PmtMtd>TRF</PmtMtd>
                        <BtchBookg>false</BtchBookg>
                        <ReqdExctnDt>2009-05-04</ReqdExctnDt>
                        <Dbtr>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </Dbtr>
                        <DbtrAcct>
                            <Id>
                                <Othr>
                                    <Id>22222222</Id>
                                </Othr>
                            </Id>
                            <Ccy>USD</Ccy>
                        </DbtrAcct>
                        <DbtrAgt>
                            <FinInstnId>
                                <BIC>BRASUS3MXXX</BIC>
                            </FinInstnId>
                        </DbtrAgt>
                        <CdtTrfTxInf>
                            <PmtId>
                                <InstrId>ADv41-04</InstrId>
                                <EndToEndId>CTv4228</EndToEndId>
                            </PmtId>
                            <Amt>
                                <InstdAmt Ccy="USD">700</InstdAmt>
```

```xml
                </Amt>
                <ChrgBr>CRED</ChrgBr>
                <CdtrAgt>
                    <FinInstnId>
                        <BIC>BOFAUS3NXXX</BIC>
                    </FinInstnId>
                </CdtrAgt>
                <Cdtr>
                    <Nm>NON BDB CUST</Nm>
                    <Id>
                        <OrgId>
                            <Othr>
                                <Id>14050600NB</Id>
                            </Othr>
                        </OrgId>
                    </Id>
                </Cdtr>
                <CdtrAcct>
                    <Id>
                        <Othr>
                            <Id>8552503</Id>
                        </Othr>
                    </Id>
                </CdtrAcct>
            </CdtTrfTxInf>
        </PmtInf>
    </CstmrCdtTrfInitn>
</Document>
</Pmnt>
<Extn>
    <MsgFees>
        <M_MSG_FEES_LINE>
            <F_MSG_FEES_MANUAL_FEE>2</F_MSG_FEES_MANUAL_FEE>
            <F_MSG_FEES_DEDUCT_FROM>P</F_MSG_FEES_DEDUCT_FROM>
            <F_MSG_FEES_FEE_AMOUNT>1</F_MSG_FEES_FEE_AMOUNT>
            <F_MSG_FEES_FEE_APPLY>NOW</F_MSG_FEES_FEE_APPLY>
            <F_MSG_FEES_FEE_CURRENCY>USD</F_MSG_FEES_FEE_CURRENCY>
            <F_MSG_FEES_FEE_TYPE_UID>US1^FEDFEE</F_MSG_FEES_FEE_TYPE_UID>
            <F_MSG_FEES_PAYING_PARTY>DR</F_MSG_FEES_PAYING_PARTY>
        </M_MSG_FEES_LINE>
    </MsgFees>
    <ProcessingPersistentInfo>
        <P_TX_ID>1234567890</P_TX_ID>
    </ProcessingPersistentInfo>
    <BalanceCheckInf>
        <M_BI_INFO_LINE>
            <F_BI_INFO_DEBIT_TYPE>MAIN</F_BI_INFO_DEBIT_TYPE>
            <F_BI_INFO_ACCNO>22222222</F_BI_INFO_ACCNO>
            <F_BI_INFO_ACC_CURRENCY>USD</F_BI_INFO_ACC_CURRENCY>
            <F_BI_INFO_ACC_OFFICE>XXX</F_BI_INFO_ACC_OFFICE>
            <F_BI_INFO_ACC_TRANS_CD>TRN_DR</F_BI_INFO_ACC_TRANS_CD>
            <F_BI_INFO_BOOKING_ENT>MINDOL-SYS</F_BI_INFO_BOOKING_ENT>
            <F_BI_INFO_AMOUNT>700.0</F_BI_INFO_AMOUNT>
            <F_BI_INFO_VALUE_DATE>2009-05-04+02:00</F_BI_INFO_VALUE_DATE>
            <F_BI_INFO_BALANCE>160999.34</F_BI_INFO_BALANCE>
            <F_BI_INFO_EARMARK_REF>3394777746</F_BI_INFO_EARMARK_REF>
        </M_BI_INFO_LINE>
        <M_BI_INFO_LINE>
            <F_BI_INFO_DEBIT_TYPE>FEE</F_BI_INFO_DEBIT_TYPE>
            <F_BI_INFO_ACCNO>26026</F_BI_INFO_ACCNO>
            <F_BI_INFO_CURRENCY>GBP</F_BI_INFO_CURRENCY>
            <F_BI_INFO_ACC_OFFICE>XXX</F_BI_INFO_ACC_OFFICE>
            <F_BI_INFO_ACC_TRANS_CD>TRN_FDR</F_BI_INFO_ACC_TRANS_CD>
            <F_BI_INFO_BOOKING_ENT>MINDOL-SYS</F_BI_INFO_BOOKING_ENT>
            <F_BI_INFO_AMOUNT>1.0</F_BI_INFO_AMOUNT>
            <F_BI_INFO_VALUE_DATE>2009-05-04+02:00</F_BI_INFO_VALUE_DATE>
            <F_BI_INFO_BALANCE>160.66</F_BI_INFO_BALANCE>
            <F_BI_INFO_EARMARK_REF>3394777747</F_BI_INFO_EARMARK_REF>
        </M_BI_INFO_LINE>
    </BalanceCheckInf>
</Extn>
```

```
        </Msg>
    </FndtMsg>
```


Feeder with
Balance earmark inf

This example shows Feeder with fees reported but earmark included is only for the principal amount.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <contextName>Feeder</contextName>
        <contextLocalName>ABCD</contextLocalName>
        <credentials>
            <UserID>SYS_USER</UserID>
            <Role>SYS_ROLE</Role>
        </credentials>
        <P_INIT_SRC_ID>FEED_SYS</P_INIT_SRC_ID>
    </Header>
    <Msg>
        <Pmnt>
            <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
 xmlns:n1="http://www.w3.org/2001/XMLSchema-instance">
                <CstmrCdtTrfInitn>
                    <GrpHdr>
                        <MsgId>CTv422-001</MsgId>
                        <CreDtTm>2008-06-25T06:19:06</CreDtTm>
                        <NbOfTxs>1</NbOfTxs>
                        <CtrlSum>700</CtrlSum>
                        <InitgPty>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </InitgPty>
                    </GrpHdr>
                    <PmtInf>
                        <PmtMtd>TRF</PmtMtd>
                        <BtchBookg>false</BtchBookg>
                        <ReqdExctnDt>2009-05-04</ReqdExctnDt>
                        <Dbtr>
                            <Nm>South Pacific</Nm>
                            <Id>
                                <OrgId>
                                    <Othr>
                                        <Id>140506000S</Id>
                                    </Othr>
                                </OrgId>
                            </Id>
                        </Dbtr>
                        <DbtrAcct>
                            <Id>
                                <Othr>
                                    <Id>22222222</Id>
                                </Othr>
                            </Id>
                            <Ccy>USD</Ccy>
                        </DbtrAcct>
                        <DbtrAgt>
                            <FinInstnId>
                                <BIC>BRASUS3MXXX</BIC>
                            </FinInstnId>
```

```xml
            </DbtrAgt>
            <CdtTrfTxInf>
                <PmtId>
                    <InstrId>ADv41-04</InstrId>
                    <EndToEndId>CTv4228</EndToEndId>
                </PmtId>
                <Amt>
                    <InstdAmt Ccy="USD">700</InstdAmt>
                </Amt>
                <ChrgBr>CRED</ChrgBr>
                <CdtrAgt>
                    <FinInstnId>
                        <BIC>BOFAUS3NXXX</BIC>
                    </FinInstnId>
                </CdtrAgt>
                <Cdtr>
                    <Nm>NON BDB CUST</Nm>
                    <Id>
                        <OrgId>
                            <Othr>
                                <Id>14050600NB</Id>
                            </Othr>
                        </OrgId>
                    </Id>
                </Cdtr>
                <CdtrAcct>
                    <Id>
                        <Othr>
                            <Id>8552503</Id>
                        </Othr>
                    </Id>
                </CdtrAcct>
            </CdtTrfTxInf>
        </PmtInf>
    </CstmrCdtTrfInitn>
</Document>
        </Pmnt>
        <Extn>
            <MsgFees>
                <M_MSG_FEES_LINE>
                    <F_MSG_FEES_MANUAL_FEE>2</F_MSG_FEES_MANUAL_FEE>
                    <F_MSG_FEES_DEDUCT_FROM>P</F_MSG_FEES_DEDUCT_FROM>
                    <F_MSG_FEES_FEE_AMOUNT>1</F_MSG_FEES_FEE_AMOUNT>
                    <F_MSG_FEES_FEE_APPLY>NOW</F_MSG_FEES_FEE_APPLY>
                    <F_MSG_FEES_FEE_CURRENCY>USD</F_MSG_FEES_FEE_CURRENCY>
                    <F_MSG_FEES_FEE_TYPE_UID>US1^FEDFEE</F_MSG_FEES_FEE_TYPE_UID>
                    <F_MSG_FEES_PAYING_PARTY>DR</F_MSG_FEES_PAYING_PARTY>
                </M_MSG_FEES_LINE>
            </MsgFees>
            <ProcessingPersistentInfo>
                <P_TX_ID>1234567890</P_TX_ID>
            </ProcessingPersistentInfo>
            <BalanceCheckInf>
                <M_BI_INFO_LINE>
                    <F_BI_INFO_DEBIT_TYPE>MAIN</F_BI_INFO_DEBIT_TYPE>
                    <F_BI_INFO_ACCNO>22222222</F_BI_INFO_ACCNO>
                    <F_BI_INFO_ACC_CURRENCY>USD</F_BI_INFO_ACC_CURRENCY>
                    <F_BI_INFO_ACC_OFFICE>XXX</F_BI_INFO_ACC_OFFICE>
                    <F_BI_INFO_ACC_TRANS_CD>TRN_DR</F_BI_INFO_ACC_TRANS_CD>
                    <F_BI_INFO_BOOKING_ENT>MINDOL-SYS</F_BI_INFO_BOOKING_ENT>
                    <F_BI_INFO_AMOUNT>700.0</F_BI_INFO_AMOUNT>
                    <F_BI_INFO_VALUE_DATE>2009-05-04+02:00</F_BI_INFO_VALUE_DATE>
                    <F_BI_INFO_BALANCE>160999.34</F_BI_INFO_BALANCE>
                    <F_BI_INFO_EARMARK_REF>3394777746</F_BI_INFO_EARMARK_REF>
                </M_BI_INFO_LINE>
            </BalanceCheckInf>
        </Extn>
    </Msg>
</FndtMsg>
```

Feeder with
Balance earmark inf

C. 10 Successful Outgoing Single Transaction Handoff Response – Minimal Scope

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
   <Header>
      <P_MID>159R2344307I2862</P_MID>
   </Header>
   <Msg>
      <Pmnt>
         <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.002.001.03">
            <CstmrPmtStsRpt>
               <GrpHdr>
                  <MsgId>159R2344307I2862</MsgId>
                  <CreDtTm>2015-09-27T02:41:13</CreDtTm>
               </GrpHdr>
               <OrgnlGrpInfAndSts>
                  <OrgnlMsgId>FUNDT11</OrgnlMsgId>
                  <OrgnlMsgNmId>Pain.001</OrgnlMsgNmId>
               </OrgnlGrpInfAndSts>
               <OrgnlPmtInfAndSts>
                  <OrgnlPmtInfId>15092300002S</OrgnlPmtInfId>
                  <TxInfAndSts>
                     <StsId>159R2344307I2862</StsId>
                     <OrgnlInstrId>TESTWW1FF1</OrgnlInstrId>
                     <OrgnlEndToEndId>TEST45331FF1</OrgnlEndToEndId>
                     <TxSts>ACTC</TxSts>
                     <AccptncDtTm>2015-09-27T07:41:13</AccptncDtTm>
                     <OrgnlTxRef>
                        <IntrBkSttlmAmt Ccy="GBP">23.00000</IntrBkSttlmAmt>
                        <Amt>
                           <InstdAmt Ccy="GBP">23.00000</InstdAmt>
                        </Amt>
                        <IntrBkSttlmDt>2015-09-24</IntrBkSttlmDt>
                        <PmtMtd>TRF</PmtMtd>
                        <Dbtr>
                           <Nm>FIGUEIRELS</Nm>
                        </Dbtr>
                        <DbtrAcct>
                           <Id>
                              <Othr>
                                 <Id>8000000180</Id>
                              </Othr>
                           </Id>
                           <Ccy>GBP</Ccy>
                        </DbtrAcct>
                        <Cdtr>
                           <Nm>HSBC HONG KONG</Nm>
                        </Cdtr>
                        <CdtrAcct>
                           <Id>
                              <Othr>
                                 <Id>26815573499</Id>
                              </Othr>
                           </Id>
                           <Ccy>USD</Ccy>
                        </CdtrAcct>
                     </OrgnlTxRef>
                  </TxInfAndSts>
```

```
                </OrgnlPmtInfAndSts>
              </CstmrPmtStsRpt>
            </Document>
          </Pmnt>
          <Extn>
            <ProcessingPersistentInfo>
              <P_MSG_STS>COMPLETE</P_MSG_STS>
              <P_TX_ID>15092300002S</P_TX_ID>
            </ProcessingPersistentInfo>
          </Extn>
        </Msg>
        <OrigMsg>
        </OrigMsg>
      </FndtMsg>
```


Succesfull Feeder
Acknowledgment - ı

C. 11 Successful Outgoing Single Transaction Handoff Response – Extended Scope

```
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
  <Header>
    <P_MID>159R2344307I2862</P_MID>
  </Header>
  <Msg>
    <Pmnt>
      <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.002.001.03">
        <CstmrPmtStsRpt>
          <GrpHdr>
            <MsgId>159R2344307I2862</MsgId>
            <CreDtTm>2015-09-27T02:41:13</CreDtTm>
          </GrpHdr>
          <OrgnlGrpInfAndSts>
            <OrgnlMsgId>FUNDT11</OrgnlMsgId>
            <OrgnlMsgNmId>Pain.001</OrgnlMsgNmId>
          </OrgnlGrpInfAndSts>
          <OrgnlPmtInfAndSts>
            <OrgnlPmtInfId>15092300002S</OrgnlPmtInfId>
            <TxInfAndSts>
              <StsId>159R2344307I2862</StsId>
              <OrgnlInstrId>TESTWW1FF1</OrgnlInstrId>
              <OrgnlEndToEndId>TEST45331FF1</OrgnlEndToEndId>
              <TxSts>ACTC</TxSts>
              <AccptncDtTm>2015-09-27T07:41:13</AccptncDtTm>
              <OrgnlTxRef>
                <IntrBkSttlmAmt Ccy="GBP">23.00000</IntrBkSttlmAmt>
                  <Amt>
                    <InstdAmt Ccy="GBP">23.00000</InstdAmt>
                  </Amt>
                <IntrBkSttlmDt>2015-09-24</IntrBkSttlmDt>
                <PmtMtd>TRF</PmtMtd>
                <Dbtr>
                  <Nm>FIGUEIRELS</Nm>
                </Dbtr>
                <DbtrAcct>
                  <Id>
                    <Othr>
                      <Id>8000000180</Id>
                    </Othr>
                  </Id>
```

```
                <Ccy>GBP</Ccy>
              </DbtrAcct>
              <Cdtr>
                <Nm>HSBC HONG KONG</Nm>
              </Cdtr>
              <CdtrAcct>
                <Id>
                  <Othr>
                    <Id>26815573499</Id>
                  </Othr>
                </Id>
                <Ccy>USD</Ccy>
              </CdtrAcct>
            </OrgnlTxRef>
          </TxInfAndSts>
        </OrgnlPmtInfAndSts>
      </CstmrPmtStsRpt>
    </Document>
  </Pmnt>
  <Extn>
    <ProcessingPersistentInfo>
      <CreditSide>
        <P_CDT_ACCT_CCY>GBP</P_CDT_ACCT_CCY>
        <P_CDT_ACCT_NB>26815573499</P_CDT_ACCT_NB>
        <P_CDT_ACCT_OFFICE>LDS</P_CDT_ACCT_OFFICE>
        <P_CDT_AMT>23.0</P_CDT_AMT>
        <P_CDT_CROSS_CONV/>
        <P_CDT_CUST_CD>BDBTEST1LN1</P_CDT_CUST_CD>
        <P_CDT_MOP>BOOK</P_CDT_MOP>
        <P_CDT_TX_CD>001</P_CDT_TX_CD>
        <P_CDT_VD>2015-09-24</P_CDT_VD>
      </CreditSide>
      <DebitSide>
        <P_DBT_ACCT_CCY>GBP</P_DBT_ACCT_CCY>
        <P_DBT_ACCT_NB>8000000180</P_DBT_ACCT_NB>
        <P_DBT_ACCT_OFFICE>LDS</P_DBT_ACCT_OFFICE>
        <P_DBT_AMT>23.0</P_DBT_AMT>
        <P_DBT_CUST_CD>AMITTest4645</P_DBT_CUST_CD>
        <P_DBT_MOP>BOOK</P_DBT_MOP>
        <P_DBT_TX_CD>100</P_DBT_TX_CD>
        <P_DBT_VD>2015-09-24</P_DBT_VD>
      </DebitSide>
      <P_BASE_AMT>23.0</P_BASE_AMT>
      <P_BASE_CCY>GBP</P_BASE_CCY>
      <P_BA_CD>GBP</P_BA_CD>
      <P_DEPARTMENT>LNP</P_DEPARTMENT>
      <P_DESTINATION_DEPARTMENT>LNP</P_DESTINATION_DEPARTMENT>
      <P_DESTINATION_OFFICE>LDS</P_DESTINATION_OFFICE>
      <P_DISPLAY_MSG_TYPE>PACS008</P_DISPLAY_MSG_TYPE>
      <P_FC_INFO_IND>M</P_FC_INFO_IND>
      <P_IS_HISTORY>0</P_IS_HISTORY>
      <P_MSG_CLASS>PAY</P_MSG_CLASS>
      <P_MSG_STS>COMPLETE</P_MSG_STS>
      <P_MSG_TYPE>Pain_002</P_MSG_TYPE>
      <P_OFFICE>LDS</P_OFFICE>
      <P_ORIG_MSG_TYPE>Pacs_008</P_ORIG_MSG_TYPE>
      <P_ORIG_STTLM_AMT>23.00</P_ORIG_STTLM_AMT>
      <P_ORIG_STTLM_CCY>GBP</P_ORIG_STTLM_CCY>
      <P_ORIG_STTLM_DT>2015-09-24</P_ORIG_STTLM_DT>
      <P_PMNT_SRC>FDR_GCP</P_PMNT_SRC>
      <P_PROC_DT>2015-09-24</P_PROC_DT>
      <P_PRODUCT_CD>LNGBP</P_PRODUCT_CD>
      <P_RELEASE_DT>2015-09-24</P_RELEASE_DT>
      <P_TIME_STAMP>2015-09-27 02:34:43.424</P_TIME_STAMP>
      <P_TX_ID>15092300002S</P_TX_ID>
    </ProcessingPersistentInfo>
    <ProcessingTransientInfo>
      <D_DIRECT_RECEIVER_INDEX>X</D_DIRECT_RECEIVER_INDEX>
    </ProcessingTransientInfo>
    <Monitors>
      <UserMonitors>
```

```
              <MU_COMPLIANCE_FORCE_STS>X</MU_COMPLIANCE_FORCE_STS>
              <MU_FORCE_STANDARD_VD>X</MU_FORCE_STANDARD_VD>
              <MU_HANDLE_71G_GAP>X</MU_HANDLE_71G_GAP>
              <MU_MISSED_CUTOFF>X</MU_MISSED_CUTOFF>
              <MU_NSF_FORCE_STS>X</MU_NSF_FORCE_STS>
              <MU_PARTY_LIMIT_FORCE_STS>X</MU_PARTY_LIMIT_FORCE_STS>
              <MU_PI_FORCE_STS>X</MU_PI_FORCE_STS>
              <MU_REQ_FOR_CHARGES_FORCE_STS>X</MU_REQ_FOR_CHARGES_FORCE_STS>
              <MU_SET_CDT_MOP>X</MU_SET_CDT_MOP>
              <MU_SPECIAL_INST_STS>X</MU_SPECIAL_INST_STS>
              <MU_STOP_FLAGS_OVERRIDE_STS>X</MU_STOP_FLAGS_OVERRIDE_STS>
          </UserMonitors>
          <ServiceMonitors>
              <MF_AF_MATCH_STS>N</MF_AF_MATCH_STS>
              <MF_AF_PROCESS_STS>X</MF_AF_PROCESS_STS>
              <MF_CANCEL_MATCH_STS>X</MF_CANCEL_MATCH_STS>
              <MF_CANCEL_REQUEST_VALID_STS>X</MF_CANCEL_REQUEST_VALID_STS>
              <MF_CDT_STOP_FLAGS_STS>N</MF_CDT_STOP_FLAGS_STS>
              <MF_COMPLIANCE_VALIDATION_STS>B</MF_COMPLIANCE_VALIDATION_STS>
              <MF_CRD_FEES_POSTING_STS>B</MF_CRD_FEES_POSTING_STS>
              <MF_CREDIT_POSTING_STS>B</MF_CREDIT_POSTING_STS>
              <MF_CREDIT_R_POSTING_STS>X</MF_CREDIT_R_POSTING_STS>
              <MF_DBT_FEES_POSTING_STS>B</MF_DBT_FEES_POSTING_STS>
              <MF_DBT_STOP_FLAGS_STS>N</MF_DBT_STOP_FLAGS_STS>
              <MF_DEBIT_POSTING_STS>B</MF_DEBIT_POSTING_STS>
              <MF_DEBIT_R_POSTING_STS>X</MF_DEBIT_R_POSTING_STS>
              <MF_DIRECT_COVER_GENERATED>X</MF_DIRECT_COVER_GENERATED>
              <MF_FEE_PROC_STS>P</MF_FEE_PROC_STS>
              <MF_GENERATED_ANSWER_MESSAGE>X</MF_GENERATED_ANSWER_MESSAGE>
              <MF_GENERATED_CANCEL_REQUEST>X</MF_GENERATED_CANCEL_REQUEST>
              <MF_GENERATE_REQ_CHARGES>X</MF_GENERATE_REQ_CHARGES>
              <MF_INITIAL_CREATE>X</MF_INITIAL_CREATE>
              <MF_LC_MATCH_STS>X</MF_LC_MATCH_STS>
              <MF_LC_PROCESS_STS>X</MF_LC_PROCESS_STS>
              <MF_MOP_SELECTION_STS>S</MF_MOP_SELECTION_STS>
              <MF_NUM_OF_191>X</MF_NUM_OF_191>
              <MF_NUM_OF_210>X</MF_NUM_OF_210>
              <MF_N_MESSAGES_MATCH_STS>X</MF_N_MESSAGES_MATCH_STS>
              <MF_OPIOSN_MATCH_STS>X</MF_OPIOSN_MATCH_STS>
              <MF_OUT_REQ_FOR_CHRG_MATCH_STS>X</MF_OUT_REQ_FOR_CHRG_MATCH_STS>
              <MF_PDM>X</MF_PDM>
              <MF_PISN_MATCH_STS>X</MF_PISN_MATCH_STS>
              <MF_PISN_PROCESS_STS>X</MF_PISN_PROCESS_STS>
              <MF_PNL_POSTING_STS>X</MF_PNL_POSTING_STS>
              <MF_POSTING_STS>X</MF_POSTING_STS>
              <MF_REQ_FOR_CHARGES_MATCH_STS>X</MF_REQ_FOR_CHARGES_MATCH_STS>
              <MF_REQ_FOR_CHARGES_VALID_STS>X</MF_REQ_FOR_CHARGES_VALID_STS>
              <MF_SC_MATCH_STS>N</MF_SC_MATCH_STS>
              <MF_SC_PROCESS_STS>X</MF_SC_PROCESS_STS>
              <MF_SPECIAL_INST_STS>X</MF_SPECIAL_INST_STS>
              <MF_TIME_HOLD>X</MF_TIME_HOLD>
          </ServiceMonitors>
      </Monitors>
      <ReferenceData>
        <M_DBT_CUST_PROFILE>
          <F_DBT_CUST_ADDRESS1>151 MAIN ST</F_DBT_CUST_ADDRESS1>
          <F_DBT_CUST_CITY>STOCKTON</F_DBT_CUST_CITY>
          <F_DBT_CUST_COUNTRYCODE>US</F_DBT_CUST_COUNTRYCODE>
          <F_DBT_CUST_CUST_CATEGORY>GCP</F_DBT_CUST_CUST_CATEGORY>
          <F_DBT_CUST_CUST_CODE>AMITTest4645</F_DBT_CUST_CUST_CODE>
          <F_DBT_CUST_CUST_TYPE>CU</F_DBT_CUST_CUST_TYPE>
          <F_DBT_CUST_DEPARTMENT>LNP</F_DBT_CUST_DEPARTMENT>
          <F_DBT_CUST_PROFESSION>TRNS</F_DBT_CUST_PROFESSION>
          <F_DBT_CUST_STATE>CA</F_DBT_CUST_STATE>
          <F_DBT_CUST_ZIP>95105</F_DBT_CUST_ZIP>
        </M_DBT_CUST_PROFILE>
        <M_CDT_CUST_PROFILE>
          <F_CDT_CUST_COUNTRYCODE>GB</F_CDT_CUST_COUNTRYCODE>
          <F_CDT_CUST_CUST_NAME>BDB LONDON</F_CDT_CUST_CUST_NAME>
          <F_CDT_CUST_SWIFT_ID>BRASGB1LXXX</F_CDT_CUST_SWIFT_ID>
        </M_CDT_CUST_PROFILE>
```

```xml
                <M_STTLM_CCY_PROFILE>
                    <F_INSTR_CCY_DRAFT>false</F_INSTR_CCY_DRAFT>
                    <F_INSTR_CCY_EURO>OUT</F_INSTR_CCY_EURO>
                </M_STTLM_CCY_PROFILE>
                <M_DBT_MOP_PROFILE>
                    <F_MOP_ALLOW_NAC_MSG>false</F_MOP_ALLOW_NAC_MSG>
                    <F_MOP_CHK_DRAFT_CURRENCY>false</F_MOP_CHK_DRAFT_CURRENCY>
                    <F_MOP_MOPDOWN>false</F_MOP_MOPDOWN>
                    <F_MOP_NM>BOOK</F_MOP_NM>
                    <F_MOP_SENDOUTMSG>false</F_MOP_SENDOUTMSG>
                    <F_MOP_SEND_REC_IDCODE>SA</F_MOP_SEND_REC_IDCODE>
                    <F_MOP_SETTLEMENT_ACC>1</F_MOP_SETTLEMENT_ACC>
                    <F_MOP_SETT_ACC_EXISTS>false</F_MOP_SETT_ACC_EXISTS>
                    <F_MOP_SPLIT_OVER_MAX>false</F_MOP_SPLIT_OVER_MAX>
                </M_DBT_MOP_PROFILE>
                <M_CDT_MOP_PROFILE>
                    <F_CDT_MOP_ALLOW_NAC_MSG>false</F_CDT_MOP_ALLOW_NAC_MSG>
                    <F_CDT_MOP_CHK_DRAFT_CCY>false</F_CDT_MOP_CHK_DRAFT_CCY>
                    <F_CDT_MOP_DOWN>false</F_CDT_MOP_DOWN>
                    <F_CDT_MOP_NM>BOOK</F_CDT_MOP_NM>
                    <F_CDT_MOP_SENDOUTMSG>false</F_CDT_MOP_SENDOUTMSG>
                    <F_CDT_MOP_SEND_REC_IDCODE>SA</F_CDT_MOP_SEND_REC_IDCODE>
                    <F_CDT_MOP_SETTLEMENT_ACC>1</F_CDT_MOP_SETTLEMENT_ACC>
                    <F_CDT_MOP_SETT_ACC_EXISTS>false</F_CDT_MOP_SETT_ACC_EXISTS>
                    <F_CDT_MOP_SNDR_BIC>BRASGB2LXXX</F_CDT_MOP_SNDR_BIC>
                    <F_CDT_MOP_SPLIT_OVER_MAX>false</F_CDT_MOP_SPLIT_OVER_MAX>
                </M_CDT_MOP_PROFILE>
                <M_DBT_ACCOUNT>
                    <F_DBT_ACCT_ACC_TYPE>NOS</F_DBT_ACCT_ACC_TYPE>
                    <F_DBT_ACCT_IS_RESIDENT/>
                    <F_DBT_ACCT_STOPFLAGCR/>
                    <F_DBT_ACCT_STOPFLAGDR/>
                </M_DBT_ACCOUNT>
                <M_CDT_ACCOUNT>
                    <F_CDT_ACCT_ACC_TYPE>NOS</F_CDT_ACCT_ACC_TYPE>
                    <F_CDT_ACCT_IS_RESIDENT/>
                    <F_CDT_ACCT_STOPFLAGCR/>
                    <F_CDT_ACCT_STOPFLAGDR/>
                </M_CDT_ACCOUNT>
            </ReferenceData>
        </Extn>
    </Msg>
    <OrigMsg>
    </OrigMsg>
</FndtMsg>
```

Succesfull Feeder
Acknowledgment - ‹

C. 12 Failed Outgoing Single Transaction Handoff Response – Minimal Scope

```xml
<?xml version="1.0" encoding="UTF-8"?>
<FndtMsg>
    <Header>
        <P_MID>159R2344307I2862</P_MID>
    </Header>
    <Msg>
        <Pmnt>
            <Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.002.001.03">
                <CstmrPmtStsRpt>
                    <GrpHdr>
                        <MsgId>159R2344307I2862</MsgId>
                        <CreDtTm>2015-09-27T02:41:13</CreDtTm>
```

```xml
        </GrpHdr>
        <OrgnlGrpInfAndSts>
            <OrgnlMsgId>FUNDT11</OrgnlMsgId>
            <OrgnlMsgNmId>Pain.001</OrgnlMsgNmId>
        </OrgnlGrpInfAndSts>
        <OrgnlPmtInfAndSts>
            <OrgnlPmtInfId>15092300002S</OrgnlPmtInfId>
            <TxInfAndSts>
                <StsId>159R2344307I2862</StsId>
                <OrgnlInstrId>TESTWW1FF1</OrgnlInstrId>
                <OrgnlEndToEndId>TEST45331FF1</OrgnlEndToEndId>
                <TxSts>RJCT</TxSts>
                <StsRsnInf>
                    <Rsn>
                        <Cd>FF01</Cd>
                    </Rsn>
                    <AddtlInf>Account Number could not be retrieved since Account 80000001890 defined in payment was not found for the</AddtlInf>
                </StsRsnInf>
                <AccptncDtTm>2015-09-27T07:41:13</AccptncDtTm>
                <OrgnlTxRef>
                    <IntrBkSttlmAmt Ccy="GBP">23.00000</IntrBkSttlmAmt>
                    <Amt>
                        <InstdAmt Ccy="GBP">23.00000</InstdAmt>
                    </Amt>
                    <IntrBkSttlmDt>2015-09-24</IntrBkSttlmDt>
                    <PmtMtd>TRF</PmtMtd>
                    <Dbtr>
                        <Nm>FIGUEIRELS</Nm>
                    </Dbtr>
                    <DbtrAcct>
                        <Id>
                            <Othr>
                                <Id>8000000180</Id>
                            </Othr>
                        </Id>
                        <Ccy>GBP</Ccy>
                    </DbtrAcct>
                    <Cdtr>
                        <Nm>HSBC HONG KONG</Nm>
                    </Cdtr>
                    <CdtrAcct>
                        <Id>
                            <Othr>
                                <Id>26815573499</Id>
                            </Othr>
                        </Id>
                        <Ccy>USD</Ccy>
                    </CdtrAcct>
                </OrgnlTxRef>
            </TxInfAndSts>
        </OrgnlPmtInfAndSts>
    </CstmrPmtStsRpt>
</Document>
        </Pmnt>
        <Extn>
            <ProcessingPersistentInfo>
                <P_MSG_STS>P</P_MSG_STS>
                <P_TX_ID>15092300002S</P_TX_ID>
            </ProcessingPersistentInfo>
        </Extn>
    </Msg>
    <OrigMsg/>
</FndtMsg>
```

Failed Feeder
Acknowledgment - ı