FINASTRA

GPP PAYplus

Fndt Message Usage for Online FX Interface

Technical Guide

Product Version: 4.6.8
Catalog ID: GPP4.6-00-T16-01-201801

Copyright

Disclaimer

Finastra does not guarantee that any information contained herein is and will remain accurate or that use of the information will ensure correct and faultless operation of the relevant software, services or equipment. This document contains information proprietary to Finastra. Finastra does not undertake mathematical research but only applies mathematical models recognized within the financial industry. Finastra does not guarantee the intrinsic theoretical validity of the calculation models used.

Finastra, its agents, and employees shall not be held liable to or through any user for any loss or damage whatsoever resulting from reliance on the information contained herein or related thereto. The information contained in this document and the general guidance of Finastra staff does not take the place of qualified compliance personnel or legal counsel within your institution.

FINASTRA CANNOT RENDER LEGAL, ACCOUNTING OR OTHER PROFESSIONAL SERVICES TO YOUR INSTITUTION. THE INFORMATION CONTAINED HEREIN IS GENERAL IN NATURE AND DOES NOT CONSTITUTE LEGAL ADVICE OR A LEGAL OPINION. CONSULT YOUR LEGAL COUNSEL FOR LEGAL ADVICE SPECIFIC TO YOUR SITUATION OR CIRCUMSTANCES OR TO ANSWER ANY LEGAL QUESTIONS.

This document is not intended as a substitute for formal education in the regulatory requirements of banking, banking operations, lending, lending operations, or other topics generally applicable to financial institutions. Your financial institution is solely responsible for configuring and using the software or services in a way that meets policies, practices, and laws applicable to your institution, including, without limitation: (1) options and selections made on prompts; (2) entries in the software program; (3) program setup; and (4) documents produced by the software or services. It is the obligation of the customer to ensure that responsible decisions are taken when using Finastra products. Information in this document is subject to change without notice and does not represent a commitment on the part of Finastra.

Feedback

Do you have comments about our guides and online help? Please address any comments and questions to your local Finastra representative.
Need more information? Read more about our products at http://www.finastra.com or contact your local Finastra office at http://www.finastra.com/contact.

Version Control

Version	Date	Summary of Changes
1.0		New for GPP V4.6.2
2.0	December 2016	Updated with an additional note explaining the usage of the Credentials element in the Header structure and a clarifying statement redrawing the Product scope in regards to the population of the Pmnt tag
3.0	January 2017	Updated with the following: • Removal of the tag D_SKIP_PERSIST_ON_ERROR from Response structure • Additional note on the tag in D_SKIP_PERSIST_ON_ERROR in Request structure to indicate its irrelevancy for interfaces • Update of population instruction for the P_MID tag within the Response to indicate that it must be populated when matching Response based on it

Table of Contents

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 Finastra Project Manager.

1.1 Overview

This guide describes Global PAYplus (GPP) standard usage of the Fndt (FuNDs Transfer) message for the Online Foreign Exchange (FX) interface between GPP and the Financial Institution's Online FX system. This interface is an XML interface based on the GPP Fndt (FuNDs Transfer) message format.

Detailed in this document is the interface structure and related processing of the Online FX interface Request and Response:

- Online FX request (from GPP to Online FX)
- Online FX response (acknowledgement) (from Online FX system to GPP)

The guide covers only the structure and mapping aspects. The processing, manual handling and configuration required for the Online FX interface, are detailed in the Online FX interface section in the GPP Business Guide System Integration - Single Payment document.

1.2 About This Guide

Information is provided for GPP clients implementing a Online FX interface, using the GPP Fndt (FuNDs Transfer) Message Format as the base for Online FX request, and response for providing FX information.

1.3 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 Transactions document.

2 Interface Structures

Notes:

- The shading in the detailed tables in this document 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 defining Presence and Format, use the convention in Appendix A: Glossary of Terms.

Interface attributes:

- Asynchronous: (with time out and handling of late responses). GPP does not lock the Message Queue while waiting for a response, for the following requests:
  - Validate and Lock (VALLOCK)
  - Rate Request STP (RSSTP)
  - Reject Rate (REJRATE)
  - Accept and Lock (ACCLOCK)

Resend is allowed

- Synchronous: GPP locks the Message Queue while waiting for a response, for the following requests:
  - Get Rate (GETRATE)
  - Get Deals (GETDEALS)

2.1 FX Request

The following sections from the full Fndt (Funds Transfer) Message structure are the Product minimal scope to be included when the structure is used as a FX Request (additional sections can be configured to be included, if required).

Notes:

- The Pmnt section appears in the below minimal scope, as it is recommended for readability, and our Product default scope includes it. However, it can be excluded per the financial institution requirements.
- 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 FX 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*			
			ProcessingPersistentInfo*		
				Debit Side*	
				Credit Side*	
			ReferenceData*		
			MsgRates*		

2.1.1 Rate Request STP (RRSTP) Request

A Request sent out to the FX Online system as part of the FX Calculation step, when exit is required, if no contract is included in the transaction and the transaction amount is below a defined threshold, or when submitted from manual queue when the FX tab is empty. This is a request for a rate.

Notes:

- The Pmnt section appears in the below minimal scope, as it is recommended for readability. However, it can be excluded.
- 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.’

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with RSSTP. Scenario: During STP processing Condition: No value is present in the field ‘F_FC _CONTRACT’
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 a local name exists 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.		Note: The usage of this section, if populated, allows filtering results returned in the Fndt Message structure, based on the credentials (permissions) of the

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	quoted GPP User. For example filtering out details of transactions belonging to an Office that the quoted user does not have permissions for. This section is mainly used when the Fndt Message structure is used within SOA services, but can also be applied, when filtering is required, when using it in interface structures. If left empty – no filtering occurs In the context of Online FX initiated from the GPP flow, has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	Populate with User Id
Role	4					+							[0..1]	Role	Role	Text {1,50}	Populate with User Role
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 are found. **Note:** Not relevant for interfaces. This is used when the structure is used in Web Services	[1,0] {1, 1}	Populate with 0[1]
Workflow	3				+								[0..1]	Workflow	Defined for mass processing. The valid values are: Template, File, or Swift.	Text {1,50}	Populate with - TBD

[1] Not skip the saving of the message in case of error invoking the Online FX 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_MID	3				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Map from P_MID
DeliveryTimestamp	3				+								[1..1]	Deliver Timestamp	The Timestamp when the request was created	ISO Date	Populate with Office Date Time
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source ID	The ID of the source system initiating the request/response	Text {1,50}	Map GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request This ID is used to identify a resent request (EventID is as in the original request), from a new request issued due to force or retry (EventID quotes a new value)	Text {1,16}	Map from D_MEI_EVENT_ID if the INTERFACE_TYPES.EVENT_ID_GENERATION is configured with 1 for the INTERFACE_TYPE entry for this request
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 entire payment is mapped from MINF.XML_MSG
Swift	4					+											
X_STTLM_AMT	5						+						[1..1]	Amount	Amount		Map from X_STTLM_AMT Field XPATH according to message type: SWIFT: /F32A/Amount Pacs.008 (created payments): /IntrBkSttlmAmt
X_STTLM_DT_1B	5						+						[1..1]	Date	Settlement Date		Map from X_STTLM_DT_1B Field XPATH according to message type:

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	SWIFT: /F32A/Date Pacs.008 (created payments): /IntrBkSttlmDt
Extn*	3				+								[1..1]	Extension			
ProcessingPersistentInfo*	4					+							[1..1]	Processing persistent info	Payment derived attributes relevant to the payment information		
P_OFFICE	5						+						[1..1]	Office	Payment processing office	[A-Z,0-9] {3, 3}	Map from P_OFFICE (logical field P_OFFICE).
P_ORIG_STTLM_DT	5						+						[1..1]	Payment original settlement date		ISO Date	Map from MINF.P_ORIG_STTLM_DT
P_RVS_SELL	5						+						[1..1]	Reverse Sell Indicator	Reverse Sell Indicator	Boolean	Map from P_RVS_SELL
D_CURRENCY_CONVERSION_TYPE	5						+						[1..1]	Conversion Type	Debit/Credit		Map from D_CURRENCY_CONVERSION_TYPE
CreditSide*	5						+						[1..1]	Credit side info			
P_CDT_RATE_USAGE_NM	6							+					[0..1]	Credit Rate Usage Name	Credit Rate Usage Name	String	Required for analysis by Online FX system for RRSTP request for Dealing customers
P_CDT_ACCT_CCY	6							+					[1..1]	CCY1	From Currency		Map from P_CDT_ACCT_CCY
DebitSide*	5						+						[1..1]	Debit side info			
P_DBT_RATE_USAGE_NM	6							+					[0..1]	Debit Rate Usage Name	Debit Rate Usage Name	String	Required for analysis by Online FX system for RRSTP request for Dealing customers
P_DBT_ACCT_CCY	6							+					[1..1]	CCY2	To Currency		Map to P_DBT_ACCT_CCY
MsgRates	4					+							{0..1}	MsgRates	Message Rates (for Forward Contract, Counter Rate and spread		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															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
P_MID	6							+					[1..1]	MID	Message ID		Map from P_MID
ReferenceData*	4					+											
DeditCustomerProfile*	5						+							Debit Customer	Debit Customer Details		
F_DBT_CUST_CUST_CATEGORY	6							+					[0..1]	Debit Customer Category	Debit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map from F_DBT_CUST_CUST_CATEGORY
F_DBT_CUST_BASE_NO	6							+					[0..1]	Debtor side External customer number	Debtor customer ID in the bank system	Text {1,34}	Map from F_DBT_CUST_BASE_NO
CreditCustomerProfile*	5						+							Credit Customer	Credit Customer Details		
F_CDT_CUST_CUST_CATEGORY	6							+					[0..1]	Credit Customer Category	Credit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map from F_CDT_CUST_CUST_CATEGORY
F_CDT_CUST_BASE_NO	6							+					[0..1]	Creditor side External customer number	Creditor customer ID in the bank system	Text {1,34}	Map from F_CDT_CUST_BASE_NO
MsgFees*	4					+							[0..1]		Message Fees		
M_MSG_FEES_LINE	5						+						[0..n]		Message Fees Lines		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
FEE_AMOUNT_PMT_CCY_PRE_IN_AF	6							+					[0..1]		Indication of F71G presence in the payment	Text {19.4}	Map from MSG_FEES. FEE_AMOUNT_PMT_CCY_PRE_IN_AF

2.1.2 Get Rate (GETRATE) Request

Request for dealer rates for the relevant currency and pair amount invoked via the manual action of Get Rate button in FX Repair queue.

Note: When a sub-tree tag is marked with * - the elements underneath it can appear in any order – i.e. the XSD definition of the list of elements is “all” and not “sequence”.

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with GETRATE. Scenario: when a user clicks the Get Rate button on the payment page
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 a local name exists 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.		Note: The usage of this section, if populated, is allowing to filter results returned in the Fndt Message structure, based on the credentials (permissions) of the quoted GPP User – for example filtering out details of transactions

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	belonging to an Office the quoted user doesn't have permissions for. This section is mainly used when Fndt Message structure is used within SOA services, but can also be applied, if filtering is required, when using it in interface structures. If left empty – no filtering will occur In the context of Online FX initiated from the GPP flow – has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	Populate with User Id
Role	4					+							[0..1]	Role	Role	Text {1,50}	Populate with User Role
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 are found. **Note:** Not relevant for interfaces. This is used when the structure is used in Web Services	[1,0] {1, 1}	Populate with 0[2]
Workflow	3				+								[0..1]	Workflow	Defined for mass processing. The valid values are:	Text {1,50}	Populate with - TBD

[2] Not skip the saving of the message in case of error invoking the Online FX 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
															Template, File, or Swift.		
P_MID	3				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Map from P_MID
DeliveryTimestamp	3				+								[1..1]	Deliver Timestamp	The Timestamp when the request was created	ISO Date	Populate with Office Date Time
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source ID	The ID of the source system initiating the request/response	Text {1,50}	Map GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request This ID is used to identify a resent request (EventID is as in the original request), from a new request issued due to force or retry (EventID quotes a new value)	Text {1,16}	Map from D_MEI_EVENT_ID if the INTERFACE_TYPES.EVENT_ID_GENERATION is configured with 1 for the INTERFACE_TYPE entry for this request
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 entire payment is mapped from MINF.XML_MSG
Swift	4					+											
X_STTLM_AMT	5						+						[1..1]	Amount	Amount		Map from X_STTLM_AMT Field XPATH according to message type: SWIFT: /F32A/Amount

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	Pacs.008 (created payments): /IntrBkSttlmAmt
X_STTLM_DT_1B	5						+						[1..1]	Date	Settlement Date		Map from X_STTLM_DT_1B Field XPATH according to message type: SWIFT: /F32A/Date Pacs.008 (created payments): /IntrBkSttlmDt
Extn*	3				+								[1..1]	Extension			
ProcessingPersistentInfo*	4					+							[1..1]	Processing persistent info	Payment derived attributes relevant to the payment information		
P_OFFICE	5					+							[1..1]	Office	Payment processing office	[A-Z,0-9] {3, 3}	Map from P_OFFICE (logical field P_OFFICE).
P_ORIG_STTLM_DT	5						+						[1..1]	Payment original settlement date		ISO Date	Mapped from MINF.P_ORIG_STTLM_DT
P_RVS_SELL	5						+						[1..1]	Reverse Sell Indicator	Reverse Sell Indicator	Boolean	Map from P_RVS_SELL
D_CURRENCY_CONVERSION_TYPE	5						+						[1..1]	Conversion Type	Debit/Credit		Map from D_CURRENCY_CONVERSION_TYPE
CreditSide*	5						+						[1..1]	Credit side info			
P_CDT_ACCT_CCY	6							+					[1..1]	CCY1	From Currency		Map from P_CDT_ACCT_CCY
DeditSide*	5						+						[1..1]	Debit side info			
P_DBT_ACCT_CCY	6							+					[1..1]	CCY2	To Currency		Map from P_DBT_ACCT_CCY
MsgRates	4					+							{0..1}	MsgRates	Message Rates (for Forward Contract, Counter Rate and		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															spread and for Trigger Payment), Multiple transaction exchange rate details.		
M_FC_LINE	5						+						{0..n}	Forward contract line record.	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates entry will be created in GPP for the message
P_MID	6							+					[1..1]	MID	Message ID		Map from P_MID
ReferenceData*	4					+											
DeditCustomerProfile*	5						+							Debit Customer	Debit Customer Details		
F_DBT_CUST_CUST_CATEGORY	6							+					[0..1]	Debit Customer Category	Debit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map from F_DBT_CUST_CUST_CATEGORY
F_DBT_CUST_BASE_NO	6							+					[0..1]	Debtor side External customer number	Debtor customer ID in the bank system	Text {1,34}	Map from F_DBT_CUST_BASE_NO
CreditCustomerProfile*	5						+							Credit Customer	Credit Customer Details		
F_CDT_CUST_CUST_CATEGORY	6							+					[0..1]	Credit Customer Category	Credit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map from F_CDT_CUST_CUST_CATEGORY
F_CDT_CUST_BASE_NO	6							+					[0..1]	Creditor side External customer number	Creditor customer ID in the bank system	Text {1,34}	Map from F_CDT_CUST_BASE_NO

2.1.3 Accept Lock (ACCLOCK) Request

An approval of usage of a rate received (from a list of rates) in the GETRATE mode. Invoked via the manual action of Approve button in FX Repair queue.

Note: When a sub-tree tag is marked with * - the elements underneath it can appear in any order – i.e. the XSD definition of the list of elements is “all” and not “sequence.”

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with ACCLOCK. Scenario: when a user clicks the Approve button on the eFX Quote dialogue box.
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 a local name exists 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.		When populated, results returned in the Fndt Message structure can be filtered, based on the credentials (permissions) of the quoted GPP User. For example, filtering out details of transactions belonging to an Office, the quoted user does not have permissions for. Mainly used when the Fndt Message structure is used within

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	SOA services, but can also be applied, when filtering is required, when using it in interface structures. When empty, no filtering occurs In the context of Online FX initiated from the GPP flow, it has less meaning and business rationale.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	Populate with User Id
Role	4					+							[0..1]	Role	Role	Text {1,50}	Populate with User Role
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 are found. **Note:** Not relevant for interfaces. This is used when the structure is used in Web Services	[1,0] {1, 1}	Populate with 0[3]
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				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Map from P_MID
DeliveryTimestamp	3				+								[1..1]	Deliver Timestamp	The Timestamp when the request was created	ISO Date	Populate with Office Date Time

[3] Not skip the saving of the message in case of error invoking the Online FX 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_INIT_SRC_ID	3				+								[0..1]	Initiating Source ID	The ID of the source system initiating the request/response	Text {1,50}	Map GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request This ID is used to identify a resent request (EventID is as in the original request), from a new request issued due to force or retry (EventID quotes a new value)	Text {1,16}	Map from D_MEI_EVENT_ID if the INTERFACE_TYPES.EVENT_ID_GENERATION is configured with 1 for the INTERFACE_TYPE entry for this request
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 entire payment is mapped from MINF.XML_MSG
Extn*	3				+								[1..1]	Extension			
ProcessingPersistentInfo*	4					+							[1..1]	Processing persistent info	Payment derived attributes relevant to the payment information		
P_OFFICE	5					+							[1..1]	Office	Payment processing office	[A-Z,0-9] {3, 3}	Map from P_OFFICE (logical field P_OFFICE).
P_RVS_SELL	5						+						[1..1]	Reverse Sell Indicator	Reverse Sell Indicator	Boolean	Map from P_RVS_SELL
MsgRates	4					+							{0..1}	MsgRates	Message Rates (for Forward Contract, Counter Rate and spread and for Trigger Payment), Multiple		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															transaction exchange rate details.		
M_FC_LINE	5						+						{0..n}	Forward contract line record.	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates entry will be created in GPP for the message
F_FC_CONTRACT	6							+					[1..1]	Contract	Quote ID for the deal		Map from F_FC_CONTRACT
F_FC_MID	6							+					[1..1]	MID	Message ID		Map from F_FC_MID
ReferenceData*	4				+												
DeditCustomerProfile*	5						+							Debit Customer	Debit Customer Details		
F_DBT_CUST_CUST_CATEGORY	6							+					[0..1]	Debit Customer Category	Debit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map from F_DBT_CUST_CUST_CATEGORY
F_DBT_CUST_BASE_NO	6							+					[0..1]	Debtor side External customer number	Debtor customer ID in the bank system	Text {1,34}	Map from F_DBT_CUST_BASE_NO
CreditCustomerProfile*	5						+										
F_CDT_CUST_CUST_CATEGORY	6							+					[0..1]	Credit Customer Category	Credit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map from F_CDT_CUST_CUST_CATEGORY
F_CDT_CUST_BASE_NO	6							+					[0..1]	Creditor side External customer number	Creditor customer ID in the bank system	Text {1,34}	Map from F_CDT_CUST_BASE_NO

2.1.4 Validate and Lock (VALLOCK) Request

A Request sent out to the FX Online system as part of the FX Calculation step, when exit is required, if a contact is received within the transaction or when entered manually to allow validating and approving its rate to be used.

Note: When a sub-tree tag is marked with * - the elements underneath it can appear in any order – i.e. the XSD definition of the list of elements is “all” and not “sequence”.

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with VALLOCK. Scenarios: • During STP processing • When a user clicks SUBMIT on the payment screen Condition: A value is present in the field F_FC _CONTRACT
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 a local name exists 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.		Note: The usage of this section, if populated, is allowing to filter results returned in the Fndt

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	Message structure, based on the credentials (permissions) of the quoted GPP User – for example filtering out details of transactions belonging to an Office the quoted user doesn't have permissions for. This section is mainly used when Fndt Message structure is used within SOA services, but can also be applied, if filtering is required, when using it in interface structures. If left empty – no filtering will occur In the context of Online FX initiated from the GPP flow – has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	Populate with User Id
Role	4					+							[0..1]	Role	Role	Text {1,50}	Populate with User Role
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 are found. **Note:** Not relevant for interfaces. This is used	[1,0] {1, 1}	Populate with 0[4]

[4] Not skip the saving of the message in case of 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
															when the structure is used in Web Services		
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				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Map from P_MID
DeliveryTimestamp	3				+								[1..1]	Deliver Timestamp	The Timestamp when the request was created	ISO Date	Populate with Office Date Time
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source ID	The ID of the source system initiating the request/response	Text {1,50}	Map GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request This ID is used to identify a resent request (EventID is as in the original request), from a new request issued due to force or retry (EventID quotes a new value)	Text {1,16}	Map from D_MEI_EVENT_ID if the INTERFACE_TYPES.EVENT_ID_GENERATION is configured with 1 for the INTERFACE_TYPE entry for this request
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 entire payment is mapped from MINF.XML_MSG
Swift	4					+											
X_STTLM_AMT	5						+						[1..1]	Amount	Amount		Map from X_STTLM_AMT Field XPATH according to message type: SWIFT: /F32A/Amount

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	Pacs.008 (created payments): /IntrBkSttlmAmt
X_XCHGRATEINF_CTRCTID	5						+						[0..1]	Contract	Quote ID for the deal		Use only if a contract was received via MT101.
X_STTLM_DT_1B	5						+						[1..1]	Date	Settlement Date		Map from X_STTLM_DT_1B Field XPATH according to message type: SWIFT: /F32A/Date pacs.008 (created payments): / IntrBkSttlmDt
Extn*	3				+								[1..1]	Extension			
ProcessingPersistentInfo*	4					+							[1..1]	Processing persistent info	Payment derived attributes relevant to the payment information		
P_OFFICE	5						+						[1..1]	Office	Payment processing office	[A-Z,0-9] {3, 3}	Map from P_OFFICE (logical field P_OFFICE).
P_ORIG_STTLM_DT	5						+						[1..1]	Payment original settlement date		ISO Date	Mapped from MINF.P_ORIG_STTLM_DT
P_RVS_SELL	5						+						[1..1]	Reverse Sell Indicator	Reverse Sell Indicator	Boolean	Map from P_RVS_SELL
D_CURRENCY_CONVERSION_TYPE	5						+						[1..1]	Conversion Type	Debit/Credit		Map from D_CURRENCY_CONVERSION_TYPE
CreditSide*	5						+						[1..1]	Credit side info			
P_CDT_ACCT_CCY	6							+					[1..1]	CCY1	From Currency		Map from P_CDT_ACCT_CCY
DeditSide*	5						+						[1..1]	Debit side info			
P_DBT_ACCT_CCY	6							+					[1..1]	CCY2	To Currency		Map from P_DBT_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
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 record.	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates entry will be created in GPP for the message
F_FC_CONTRACT	6							+					[1..1]	Contract	Quote ID for the deal		If the payment was manually submitted by a user with a manually selected contract.
P_MID	6							+					[1..1]	MID	Message ID		Map from P_MID
ReferenceData*	4					+											
DeditCustomerProfile*	5						+							Debit Customer	Debit Customer Details		
F_DBT_CUST_CUST_CATEGORY	6							+					[0..1]	Debit Customer Category	Debit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map from F_DBT_CUST_CUST_CATEGORY
F_DBT_CUST_BASE_NO	6							+					[0..1]	Debtor side External customer number	Debtor customer ID in the bank system	Text {1,34}	Map from F_DBT_CUST_BASE_NO
CreditCustomerProfile*	5						+							Credit Customer	Credit Customer Details		
F_CDT_CUST_CUST_CATEGORY	6							+					[0..1]	Credit Customer Category	Credit Customer Category. Based on business setup	Text {1,34}	Map from F_CDT_CUST_CUST_CATEGORY

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															CUST_CATEGORY user codes		
F_CDT_CUST_BASE_NO	6							+					[0..1]	Creditor side External customer number	Creditor customer ID in the bank system	Text {1,34}	Map from F_CDT_CUST_BASE_NO

2.1.5 Reject Rate (REJRATE) Request

A reject of all rates received in the GETRATE mode. Invoked via the manual action of Reject button in FX Repair queue.

Note: When a sub-tree tag is marked with * - the elements underneath it can appear in any order – i.e. the XSD definition of the list of elements is “all” and not “sequence”.

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with REJRATE. Scenario: when a user clicks the Reject button on the eFX Quote dialogue box.
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 a local name exists 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.		Note: The usage of this section, if populated, is allowing to filter results returned in the Fndt Message structure, based on the credentials (permissions) of the quoted GPP User – for example filtering out details of transactions belonging to an Office the quoted user doesn’t have permissions for.

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	This section is mainly used when Fndt Message structure is used within SOA services, but can also be applied, if filtering is required, when using it in interface structures. If left empty – no filtering will occur In the context of Online FX initiated from the GPP flow – has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	Populate with User Id
Role	4					+							[0..1]	Role	Role	Text {1,50}	Populate with User Role
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 are found. **Note:** Not relevant for interfaces. This is used when the structure is used in Web Services	[1,0] {1, 1}	Populate with 0[5]
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				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Map from P_MID

[5] Not skip the saving of the message in case of 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
DeliveryTimestamp	3				+								[1..1]	Deliver Timestamp	The Timestamp when the request was created	ISO Date	Populate with Office Date Time
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source ID	The ID of the source system initiating the request/response	Text {1,50}	Map GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request This ID is used to identify a resent request (EventID is as in the original request), from a new request issued due to force or retry (EventID quotes a new value)	Text {1,16}	Map from D_MEI_EVENT_ID if the INTERFACE_TYPES.EVENT_ID_GENERATION is configured with 1 for the INTERFACE_TYPE entry for this request
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 entire payment is mapped from MINF.XML_MSG
Extn*	3				+								[1..1]	Extension			
ProcessingPersistentInfo*	4					+							[1..1]	Processing persistent info	Payment derived attributes relevant to the payment information		
P_OFFICE	5					+							[1..1]	Office	Payment processing office	[A-Z,0-9] {3, 3}	Map from P_OFFICE (logical field P_OFFICE).
P_RVS_SELL	5						+						[1..1]	Reverse Sell Indicator	Reverse Sell Indicator	Boolean	Map from P_RVS_SELL

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
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 record.	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates entry will be created in GPP for the message
F_FC_CONTRACT	6							+					[1..1]	Contract	Quote ID for the deal		Map from F_FC_CONTRACT
F_FC_MID	6							+					[1..1]	MID	Message ID		Map from F_FC_MID
ReferenceData*	4					+											
DeditCustomerProfile*	5						+							Debit Customer	Debit Customer Details		
F_DBT_CUST_CUST_CATEGORY	6							+					[0..1]	Debit Customer Category	Debit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map from F_DBT_CUST_CUST_CATEGORY
F_DBT_CUST_BASE_NO	6							+					[0..1]	Debtor side External customer number	Debtor customer ID in the bank system	Text {1,34}	Map from F_DBT_CUST_BASE_NO
CreditCustomerProfile*	5						+										
F_CDT_CUST_CUST_CATEGORY	6							+					[0..1]	Credit Customer Category	Credit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map from F_CDT_CUST_CUST_CATEGORY

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_CDT_CUST_BASE_NO	6							+					[0..1]	Creditor side External customer number	Creditor customer ID from the bank system	Text {1,34}	Map from F_CDT_CUST_BASE_NO

2.1.6 Get Deal (GETDEALS) Request

Request for all contracts for the relevant currency and pair amount invoked via the manual action of Get Deals button in FX Repair queue.

Note: When a sub-tree tag is marked with * - the elements underneath it can appear in any order – i.e. the XSD definition of the list of elements is “all” and not “sequence”.

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with GETDEALS. Scenario: when a user clicks the Get Deals button on the payment page.
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 a local name exists 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.		Note: The usage of this section, if populated, is allowing to filter results returned in the Fndt Message structure, based on the credentials (permissions) of the quoted GPP User – for example filtering out details of transactions belonging to an Office the quoted user doesn’t have permissions for.

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	This section is mainly used when Fndt Message structure is used within SOA services, but can also be applied, if filtering is required, when using it in interface structures. If left empty – no filtering will occur In the context of Online FX initiated from the GPP flow – has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	Populate with User Id
Role	4					+							[0..1]	Role	Role	Text {1,50}	Populate with User Role
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 are found.	[1,0] {1, 1}	Populate with 0[6]
Workflow	3				+								[0..1]	Workflow	Defined for mass processing. The valid values are: Template, File, or Swift. **Note:** Not relevant for interfaces. This is used when the structure is used in Web Services	Text {1,50}	Populate with - TBD
P_MID	3				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Map from P_MID

[6] Not skip the saving of the message in case of error invoking the Online FX 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
DeliveryTimestamp	3				+								[1..1]	Deliver Timestamp	The Timestamp when the request was created	ISO Date	Populate with Office Date Time
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source ID	The ID of the source system initiating the request/response	Text {1,50}	Map GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request This ID is used to identify a resent request (EventID is as in the original request), from a new request issued due to force or retry (EventID quotes a new value)	Text {1,16}	Map from D_MEI_EVENT_ID if the INTERFACE_TYPES.EVENT_ID_GENERATION is configured with 1 for the INTERFACE_TYPE entry for this request
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 entire payment is mapped from MINF.XML_MSG
Swift	4					+											
X_STTLM_AMT	5						+						[1..1]	Amount	Amount		Map from X_STTLM_AMT Field XPATH according to message type: SWIFT: /F32A/Amount Pacs.008 (created payments): /IntrBkSttlmAmt
X_STTLM_DT_1B	5						+						[1..1]	Date	Settlement Date		Map from X_STTLM_DT_1B Field XPATH according to message type:

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	SWIFT: /F32A/Date Pacs.008 (created payments): / IntrBkSttlmDt
Extn*	3				+								[1..1]	Extension			
ProcessingPersistentInfo*	4					+							[1..1]	Processing persistent info	Payment derived attributes relevant to the payment information		
P_OFFICE	5						+						[1..1]	Office	Payment processing office	[A-Z,0-9] {3, 3}	Map from P_OFFICE (logical field P_OFFICE).
P_ORIG_STTLM_DT	5						+						[1..1]	Payment original settlement date		ISO Date	Mapped from MINF.P_ORIG_STTLM_DT
P_RVS_SELL	5						+						[1..1]	Reverse Sell Indicator	Reverse Sell Indicator	Boolean	Map from P_RVS_SELL
D_CURRENCY_CONVERSION_TYPE	5						+						[1..1]	Conversion Type	Debit/Credit		Map from D_CURRENCY_CONVERSION_TYPE
CreditSide*	5						+						[1..1]	Credit side info			
P_CDT_ACCT_CCY	6							+					[1..1]	CCY1	From Currency		Map from P_CDT_ACCT_CCY
DeditSide*	5						+						[1..1]	Debit side info			
P_DBT_ACCT_CCY	6							+					[1..1]	CCY2	To Currency		Map from P_DBT_ACCT_CCY
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 record.	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	entry will be created in GPP for the message
P_MID	6							+					[1..1]	MID	Message ID		Map from P_MID
ReferenceData*	4					+											
DeditCustomerProfile*	5						+							Debit Customer	Debit Customer Details		
F_DBT_CUST_CUST_CATEGORY	6							+					[0..1]	Debit Customer Category	Debit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map to F_DBT_CUST_CUST_CATEGORY
F_DBT_CUST_BASE_NO	6							+					[0..1]	Debtor side External customer number	Debtor customer ID in the bank system	Text {1,34}	Map from F_DBT_CUST_BASE_NO
CreditCustomerProfile*	5						+										
F_CDT_CUST_CUST_CATEGORY	6							+					[0..1]	Credit Customer Category	Credit Customer Category. Based on business setup CUST_CATEGORY user codes	Text {1,34}	Map from F_CDT_CUST_CUST_CATEGORY
F_CDT_CUST_BASE_NO	6							+					[0..1]	Creditor side External customer number	Creditor customer ID in the bank system	Text {1,34}	Map from F_CDT_CUST_BASE_NO

2.2 FX Response

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

Notes:

- The Pmnt section appears in the below minimal scope, as it is recommended for readability, and our Product default scope includes it. However, it can be excluded per FI's requirement.
- 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			For more information, see GPP Technical Guide Fndt Message.
		Extn*			
			MsgRates*		
	OrigMsg				
	ResponseDetails				

2.2.1 Rate Request STP (RRSTP) Response

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					+							[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with RSSTP
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 a local name exists 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.		Note: The usage of this section, if populated, is allowing to filter results returned in the Fndt Message structure, based on the credentials (permissions) of the quoted GPP User – for example filtering out details of transactions belonging to an Office the quoted user doesn't have permissions for. This section is mainly used when Fndt Message structure is used within SOA services, but can also

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	be applied, if filtering is required, when using it in interface structures. If left empty – no filtering will occur In the context of Online FX initiated from the GPP flow – has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	If included in the Request and filtering is required – copy same vale as in Request UserId
Role	4					+							[0..1]	Role	Role	If included in the Request – copy same vale as in Request UserId	If included in the Request and filtering is required – copy same vale as in Request UserId
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					+							[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Must be populated with value in <P_MID> in the request when used for matching in GPP (always in file processing).
deliveryTimestamp	3				+								[0..1]	Deliver Timestamp	The Timestamp when either the request or the response was created **Note:** As per specific integration, if matching between response and its request is not done using MQ	ISO Date Time	Populate either <deliveryTimestamp> from request or with current Timestamp

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															Correlation ID, this tag can be used as part of the matching key when quoting the timestamp of the request. If MQ Correlation ID is used for matching, this tag can quote the timestamp when the response was created		
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source System Id	The ID of the source system initiating the request/response	Text {1,50}	Populate with a code of the HOST system Will not be used in GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request	Text {1,16}	Can be copied from request. Currently not used in GPP for matching with request – so – not mandatory
Msg	2				+								[1..1]	Message			
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 record.	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	entry will be created in GPP for the message
F_FC_CONTRACT	6							+					[1..1]	Contract	Quote ID for the deal		Map to F_FC_CONTRACT
F_FC_RATE	6							+					[1..1]	Rate	Rate		Map to F_FC_RATE
ResponseDetails	2			+									[1..1]	Response Details			
returnCode	3				+								[1..1]	Return Code	The return code to indicate success or failure of the FX request 0 = General error code 1= Success	[0-9] {1, 5}	Map to Success Status
description	3				+								[0..1]	Description	The description of the return code. Relevant only for a failure (not 1) <returnCode>. **Note**: Any failure can be marked with 0, but it is preferable to use more specific codes to distinguish between posting restriction failure and any other failure. Mapping between financial institution codes and GPP internal codes should be configured to allow usage of financial institution codes.	Text {1,250}	Map concatenated into the error logged in MsgErr for the failure

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
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 one of multiple failure codes of Account Lookup.	[0-9] {1, n}	
description	5						+						[0..1]	Description	The description of the failure code.	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}	

2.2.2 Get Rate (GETRATE) Response

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with GETRATE

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
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 a local name exists 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.		Note: The usage of this section, if populated, is allowing to filter results returned in the Fndt Message structure, based on the credentials (permissions) of the quoted GPP User – for example filtering out details of transactions belonging to an Office the quoted user doesn't have permissions for. This section is mainly used when Fndt Message structure is used within SOA services, but can also be applied, if filtering is required, when using it in interface structures. If left empty – no filtering will occur In the context of Online FX initiated from the GPP flow – has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	If included in the Request and filtering is required – copy same vale as in Request UserId

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
Role	4					+							[0..1]	Role	Role	If included in the Request – copy same vale as in Request UserId	If included in the Request and filtering is required – copy same vale as in Request UserId
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				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Must be populated with value in <P_MID> in the request when used for matching in GPP (always in file processing).
deliveryTimestamp	3				+								[0..1]	Deliver Timestamp	The Timestamp when either the request or the response was created **Note:** As per specific integration, if matching between response and its request is not done using MQ Correlation ID, this tag can be used as part of the matching key when quoting the timestamp of the request. If MQ Correlation ID is used for matching, this tag can quote the timestamp when	ISO Date Time	Populate either <deliveryTimestamp> from request or with current Timestamp

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															the response was created		
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source System Id	The ID of the source system initiating the request/response	Text {1,50}	Populate with a code of the HOST system Will not be used in GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request	Text {1,16}	Can be copied from request. Currently not used in GPP for matching with request – so – not mandatory
Msg	2			+									[1..1]	Message			
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 record.	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates entry will be created in GPP for the message
F_FC_CONTRACT	6							+					[1..1]	Contract	Quote ID for the deal		Map to F_FC_CONTRACT
F_FC_RATE	6							+					[1..1]	Rate	Rate		Map to F_FC_RATE
UserDefinedFields	4					+							[0..1]		User Defined Fields – Custom fields		
System	5						+						[0..1]				

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
FX_RATE_TIME_TO_EXPIRY	6							+					[1..1]	Time to Expiry	Time in seconds until the rate expires	DateTime	Map to UDFS. FX_RATE_TIME_TO_EXPIRY
ResponseDetails	2			+									[1..1]	Response Details			
returnCode	3				+								[1..1]	Return Code	The return code to indicate success or failure of the FX request 0 = General error code 1= Success	[0-9] {1, 5}	Map to 'Success Status'
description	3				+								[0..1]	Description	The description of the return code. Relevant only for a failure (not 1) <returnCode>. **Note**: Any failure can be marked with 0, but it is preferable to use more specific codes to distinguish between posting restriction failure and any other failure. Mapping between financial institution codes and GPP internal codes should be configured to allow usage of financial institution codes.	Text {1,250}	Map concatenated into the error logged in MsgErr for the failure
errorsList	3				+								[0..n]	Error List	List of errors for this response.		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
Error	4					+							[1..1]	Error			
code	5						+						[1..1]	Code	The return code to indicate one of multiple failure codes of Account Lookup.	[0-9] {1, n}	
description	5						+						[0..1]	Description	The description of the failure code.	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}	

2.2.3 Accept Lock (ACCLOCK) Response

Note: Only the second ACCLOCK response updates the field F_FC_CONTRACT. The first response is only technical.

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with ACCLOCK.
contextLocalName	3				+								[0..1]	Context Local Name	Generic optional field to add regarding the specific usage, but using the financial institution system	Text {1,n}	If required – populate with specific local context string

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															terminology naming, in case such a local name exists and is required for the identification on the financial institution side		
credentials	3				+								[0..1]	Credentials	Credentials when required.		Note: The usage of this section, if populated, is allowing to filter results returned in the Fndt Message structure, based on the credentials (permissions) of the quoted GPP User – for example filtering out details of transactions belonging to an Office the quoted user doesn't have permissions for. This section is mainly used when Fndt Message structure is used within SOA services, but can also be applied, if filtering is required, when using it in interface structures. If left empty – no filtering will occur In the context of Online FX initiated from the GPP flow – has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	If included in the Request and filtering is required – copy same vale as in Request UserId
Role	4					+							[0..1]	Role	Role	If included in the Request – copy same vale as in	If included in the Request and filtering is required – copy same vale as in Request UserId

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																Request UserId	
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				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Must be populated with value in <P_MID> in the request when used for matching in GPP (always in file processing).
deliveryTimestamp	3				+								[0..1]	Deliver Timestamp	The Timestamp when either the request or the response was created **Note:** As per specific integration, if matching between response and its request is not done using MQ Correlation ID, this tag can be used as part of the matching key when quoting the timestamp of the request. If MQ Correlation ID is used for matching, this tag can quote the timestamp when the response was created	ISO Date Time	Populate either <deliveryTimestamp> from request or with current Timestamp
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source System Id	The ID of the source system initiating the request/response	Text {1,50}	Populate with a code of the HOST system Will not be used in GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request	Text {1,16}	Can be copied from request. Currently not used in GPP for matching with request – so – not mandatory

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
Msg	2			+									[1..1]	Message			
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 record.	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates entry will be created in GPP for the message
F_FC_CONTRACT	6							+					[1..1]	Contract	Quote ID for the deal		Map to F_FC_CONTRACT
ResponseDetails	2			+									[1..1]	Response Details			
returnCode	3				+								[1..1]	Return Code	The return code to indicate success or failure of the request.	[0-9] {1, 5}	Map from Success Status: Success Code 1122: The payment remains in FXWAITQ waiting for the 2nd ACCLOCK response Success Code 3344: The payment goes back to the flow and continue processing using the booked rate (2nd ACCLOCK response) Failure Code 5566: The payment is routed back to FXREPAIR (1st ACCLOCK response) Failure Code 7788: The payment is routed back to FXREPAIR (2nd ACCLOCK response)

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 (not 1) <returnCode>. **Note**: Any failure can be marked with 0, but it is preferable to use more specific codes to distinguish between posting restriction failure and any other failure. Mapping between financial institution codes and GPP internal codes should be configured to allow usage of financial institution codes.	Text {1,250}	Map concatenated into the error logged in MsgErr for the failure
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 one of multiple failure codes of Account Lookup.	[0-9] {1, n}	
description	5						+						[0..1]	Description	The description of the failure code.	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}	

2.2.4 Validate and Lock (VALLOCK) Response

Note: The rate returned via the VALLOCK response overrides any existing rate value.

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with VALLOCK
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 a local name exists 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.		Note: The usage of this section, if populated, is allowing to filter results returned in the Fndt Message structure, based on the credentials (permissions) of the quoted GPP User – for example filtering out details of transactions belonging to an Office the quoted user doesn't have permissions for. This section is mainly used when Fndt

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	Message structure is used within SOA services, but can also be applied, if filtering is required, when using it in interface structures. If left empty – no filtering will occur In the context of Online FX initiated from the GPP flow – has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	If included in the Request and filtering is required – copy same vale as in Request UserId
Role	4					+							[0..1]	Role	Role	If included in the Request – copy same vale as in Request UserId	If included in the Request and filtering is required – copy same vale as in Request UserId
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				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Must be populated with value in <P_MID> in the request when used for matching in GPP (always in file processing).
deliveryTimestamp	3				+								[0..1]	Deliver Timestamp	The Timestamp when either the request or the response was created	ISO Date Time	Populate either <deliveryTimestamp>

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															Note: As per specific integration, if matching between response and its request is not done using MQ Correlation ID, this tag can be used as part of the matching key when quoting the timestamp of the request. If MQ Correlation ID is used for matching, this tag can quote the timestamp when the response was created		from request or with current Timestamp
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source System Id	The ID of the source system initiating the request/response	Text {1,50}	Populate with a code of the HOST system Will not be used in GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request	Text {1,16}	Can be copied from request. Currently not used in GPP for matching with request – so – not mandatory
Msg	2			+									[1..1]	Message			
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 record.	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates entry

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	will be created in GPP for the message
F_FC_RATE	6							+					[1..1]	Rate	Rate		Map to F_FC_RATE
ResponseDetails	2			+									[1..1]	Response Details			
returnCode	3				+								[1..1]	Return Code	The return code to indicate success or failure of the FX request 0 = General error code 1= Success	[0-9] {1, 5}	Map from Success Status
description	3				+								[0..1]	Description	The description of the return code. Relevant only for a failure (not 1) <returnCode>. **Note**: Any failure can be marked with 0, but it is preferable to use more specific codes to distinguish between posting restriction failure and any other failure. Mapping between financial institution codes and GPP internal codes should be configured to allow usage of financial institution codes.	Text {1,250}	Map concatenated into the error logged in MsgErr for the failure
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 one of multiple failure codes of Account Lookup.	[0-9] {1, n}	
description	5						+						[0..1]	Description	The description of the failure code.	Text {1,250}	

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
dataArray	3				+								[0..n]	Data Array	List of additional information entries, if required.		
Data	4					+							[0..1]	Data	Additional information entry.	Text {1,250}	

2.2.5 Reject Rate (REJRATE) Response

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with REJRATE
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 a local name exists 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.		Note: The usage of this section, if populated, is allowing to filter results returned in the Fndt Message structure,

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
																	based on the credentials (permissions) of the quoted GPP User – for example filtering out details of transactions belonging to an Office the quoted user doesn't have permissions for. This section is mainly used when Fndt Message structure is used within SOA services, but can also be applied, if filtering is required, when using it in interface structures. If left empty – no filtering will occur In the context of Online FX initiated from the GPP flow – has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	If included in the Request and filtering is required – copy same vale as in Request UserId
Role	4					+							[0..1]	Role	Role	If included in the Request – copy same vale as in Request UserId	If included in the Request and filtering is required – copy same vale as in Request UserId
Workflow	3				+								[0..1]	Workflow	Defined for mass processing. The valid values are Template, File, or Swift.	Text {1,50}	Populate with - TBD

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_MID	3				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Must be populated with value in <P_MID> in the request when used for matching in GPP (always in file processing).
deliveryTimestamp	3				+								[0..1]	Deliver Timestamp	The Timestamp when either the request or the response was created **Note:** As per specific integration, if matching between response and its request is not done using MQ Correlation ID, this tag can be used as part of the matching key when quoting the timestamp of the request. If MQ Correlation ID is used for matching, this tag can quote the timestamp when the response was created	ISO Date Time	Populate either <deliveryTimestamp> from request or with current Timestamp
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source System Id	The ID of the source system initiating the request/response	Text {1,50}	Populate with a code of the HOST system Will not be used in GPP
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request	Text {1,16}	Can be copied from request. Currently not used in GPP for matching with request – so – not mandatory
Msg	2			+									[1..1]	Message			
Extn*	3				+								[1..1]	Extension			

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
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 record.	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates entry will be created in GPP for the message
F_FC_CONTRACT	6							+					[1..1]	Contract	Quote ID for the deal		Map to F_FC_CONTRACT
ResponseDetails	2			+									[1..1]	Response Details			
returnCode	3				+								[1..1]	Return Code	The return code to indicate success or failure of the FX request 0 = General error code 1= Success	[0-9] {1, 5}	Map to 'Success Status'
description	3				+								[0..1]	Description	The description of the return code. Relevant only for a failure (not 1) <returnCode>. **Note**: Any failure can be marked with 0, but it is preferable to use more specific codes to distinguish between posting restriction failure and any other failure. Mapping between financial institution codes and GPP internal codes should be configured to allow usage of financial institution codes.	Text {1,250}	Map concatenated into the error logged in MsgErr for the failure.

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
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 one of multiple failure codes of Account Lookup.	[0-9] {1, n}	
description	5						+						[0..1]	Description	The description of the failure code.	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}	

2.2.6 Get Deal (GETDEALS) Response

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				+								[1..1]	Context Name	Generic field to add information regarding the specific usage. Specifically for the usage in the FX interface	Text {1,n}	Populate with GETDEALS
contextLocalName	3				+								[0..1]	Context Local Name	Generic optional field to add regarding the specific usage, but using the financial institution system	Text {1,n}	If required – populate with specific local context string

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															terminology naming, in case such a local name exists and is required for the identification on the financial institution side		
credentials	3				+								[0..1]	Credentials	Credentials when required.		Note: The usage of this section, if populated, is allowing to filter results returned in the Fndt Message structure, based on the credentials (permissions) of the quoted GPP User – for example filtering out details of transactions belonging to an Office the quoted user doesn't have permissions for. This section is mainly used when Fndt Message structure is used within SOA services, but can also be applied, if filtering is required, when using it in interface structures. If left empty – no filtering will occur In the context of Online FX initiated from the GPP flow – has less meaning and business rational.
UserID	4					+							[0..1]	User ID	User ID	Text {1,8}	If included in the Request and filtering is required – copy same vale as in Request UserId

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
Role	4					+							[0..1]	Role	Role	If included in the Request – copy same vale as in Request UserId	If included in the Request and filtering is required – copy same vale as in Request UserId
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				+								[1..1]	GPP Message Identifier	The Internal GPP message Identifier	Text {1,16}	Must be populated with value in <P_MID> in the request when used for matching in GPP (always in file processing).
deliveryTimestamp	3				+								[0..1]	Deliver Timestamp	The Timestamp when either the request or the response was created **Note:** As per specific integration, if matching between response and its request is not done using MQ Correlation ID, this tag can be used as part of the matching key when quoting the timestamp of the request. If MQ Correlation ID is used for matching, this tag can quote the timestamp when the response was created	ISO Date Time	Populate either <deliveryTimestamp> from request or with current Timestamp
P_INIT_SRC_ID	3				+								[0..1]	Initiating Source System Id	The ID of the source system initiating the request/response	Text {1,50}	Populate with a code of the HOST system Will not be used in GPP

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
EventID	3				+								[0..1]	Event ID	Unique 16-chars event ID generated for each interface request	Text {1,16}	Can be copied from request. Currently not used in GPP for matching with request – so – not mandatory
Msg	2			+									[1..1]	Message			
Extn	3				+								[1..1]	Extension			
ProcessingPersistentInfo*	4					+							[1..1]	Processing persistent info	Payment derived attributes relevant to the payment information		
P_ORIG_STTLM_DT	5						+						[1..1]	Payment original settlement date		ISO Date	Map from Value Date to MINF.P_ORIG_STTLM_DT
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 record	Forward contract line record.		For each occurrence of M_FC_LINE a MessageRates entry will be created in GPP for the message
F_FC_CONTRACT	6							+					[1..1]	Contract	Quote ID for the deal		Map to F_FC_CONTRACT
F_FC_RATE	6							+					[1..1]	Rate	Rate		Map to F_FC_RATE
F_FC_AMOUNT	4						+						[1..1]	Amount	Amount		Map to F_FC_AMOUNT

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_FC_CURRENCY1	4						+						[1..1]	CCY1	From Currency		Map to F_FC_CURRENCY1
F_FC_CURRENCY2	4						+						[1..1]	CCY2	To Currency		Map to F_FC_CURRENCY2
F_FC_MID	4						+						[1..1]	MID	Message ID		Map to F_FC_MID
UserDefinedFields	4					+							[0..1]		User Defined Fields – Custom fields		
System	5						+						[0..1]				
FX_RATE_LOCK_STATUS	6							+					[1..1]	Lock Status	Whether the deal is locked or un-locked	Text {1,34}	Map to UDFS. FX_RATE_LOCK_STATUS
ResponseDetails	2			+									[1..1]	Response Details			
returnCode	3				+								[1..1]	Return Code	The return code to indicate success or failure of the FX request 0 = General error code 1= Success	[0-9] {1, 5}	Map to Success Status
description	3				+								[0..1]	Description	The description of the return code. Relevant only for a failure (not 1) <returnCode>. **Note**: Any failure can be marked with 0, but it is preferable to use more specific codes to distinguish between posting restriction failure and any other failure. Mapping between financial institution codes and GPP internal codes should be configured to allow usage of financial institution codes.	Text {1,250}	Map concatenated into the error logged in MsgErr for the failure.

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
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 one of multiple failure codes of Account Lookup.	[0-9] {1, n}	
description	5						+						[0..1]	Description	The description of the failure code.	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}	

3 Usage

For more information on logic related to STP processing, usage of the information provided in the Online FX interface, related manual handling and related configuration see Online Foreign Exchange Interface section in the GPP Business Guide System Integration - Single Transactions 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: XXXXXXXXXXXXXXXXXXT. 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

This table details naming conventions used within the 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: Examples of Requests and Responses

This section provides a set of request and response type examples.

C.1 Request

To be added

C.1 Response

To be added