



GPP PAYplus

Fndt Message Usage for Posting Interface

Technical Guide

Product Version: 4.6.8
Catalog ID: GPP4.6-00-T24-02-201801

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Version Control

Version	Date	Summary of Changes
1.0		Document created
2.0		Minor changes in tags and their descriptions Examples added to Appendix C
3.0	June 2014	Updated XML formatting issues in the examples in Appendix C
4.0	October 2015	Updated formatting and renamed Fndt Message
5.0	February 2016	Updated with some additional instructions for Response
6.0	June 2016	Updated with some rephrasing, reformatting and marking of subtrees that the order of their child elements is not mandatory and the change of the name of the tag F_POSTING_INFO_POSTING_STS to F_POSTING_INFO_STATUS and its mapping, if provided, to the status of the specific entry
7.0	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. Updated order of Reference Data tags M_DBT_CUST_PROFILE, M_CDT_CUST_PROFILE, M_DBT_ACCOUNT, M_CDT_ACCOUNT
8.0	January 2017	Updated with the following: <ul style="list-style-type: none"> • Updated with fix of the presence of the MsgPosting extension in the Response and the ProcessingPersistentInfo extension in the Request • Removal of the tag D_SKIP_PERSIST_ON_ERROR from Response structure and examples • Additional note on the tag in D_SKIP_PERSIST_ON_ERROR in Request structure to indicate its irrelevancy for interfaces • A rephrasing of the description of the tag F_POSTING_INFO_RVRSD_ORIG_NTRY_ID to be more clear as per when it is populated and sent out in a posting request • A rephrasing of the description of the tag F_POSTING_INFO_CUST_ACC_IND to include also cases of Account Lookup providing information to allow deriving its value • A rephrasing of the description of the tag F_POSTING_INFO_BOOKING_ENT to mention case of taking default configuration on Office level • 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
9.0	November 2017	Added missing Monitors tags and missing Posting Types (such as BSA_DR and BSA_CR) to the description of possible values in F_POSTING_INFO_POSTING_TYPE in sections: <ul style="list-style-type: none"> • 2.1, Posting Request • 2.1.1, Detailed Structure when using Minimal Scope • 2.2, Posting Response • 2.2.1, Detailed Structure when using Minimal Scope • C.1, Posting Request

Version	Date	Summary of Changes
10	January 2018	<p>Removed Monitors tags in sections:</p> <ul style="list-style-type: none"> • 2.2, Posting Response • 2.2.1, Detailed Structure when using Minimal Scope <p>Section 2.1 and 2.1.1: Changed Monitors to level 4</p> <p>Section 2.2.1: Changed Extn Presence to optional</p>

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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 Finastra Project Manager.

1.1 Overview

This guide describes GPP's standard usage of the Fndt (FuNDs Transfer) Message for the Posting interface. This interface between GPP and the financial institution HOST system is responsible for providing posting information to the HOST.

Detailed in this document is the interface structure of the Posting interface Request and Response:

- Posting Request (outward from GPP's perspective, to the financial institution's HOST)
- Posting Response (inward to GPP's perspective, from the financial institution's HOST)

The processing, manual handling and configuration required around posting are not detailed in this document. For more details refer to the GPP Business Guide Posting.

1.2 About This Guide

Information is provided for clients implementing a Posting interface with Global PAYplus (GPP), using the GPP Fndt (FuNDs Transfer) Message Format as the base for providing transaction and posting information, and response for providing posting success/failure information.

1.3 Background

A standard interface was defined to streamline the process of integrating GPP with various existing systems in a bank or financial institution. 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 a message is received as a SWIFT message it is included within the Fndt Message within a GPP specific wrapping XML structure, with the original text in one tag and a structured list of attributes as additional and separate tags.

1.4 Scope

The guide covers only the structure and mapping aspects. The rest of the functionality is described in the GPP Business Guide Posting document.

1.5 References

For more information about the GPP Fndt Message structure, see GPP Technical Guide Fndt Message Format.

For more information about the posting logic and functionality around it, see GPP Business Guide Posting.

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 requests and responses for different scenarios, see [Appendix C: Examples of Requests and Responses](#).

2.1 Posting Request

The following sections from the full Fndt (FuNDs Transfer) Message structure are the Product minimal scope to be included when it is used as a Posting 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 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			Pmnt quotes the transaction (whether it is ISO based pain / pacs or a SWIFT message embedded within the GPP proprietary XML structure). For more information, see <i>GPP Technical Guide Fndt Message</i> document.
		Extn*			
			Processing Persistent Info ^{1*}		
				DebitSide*	Debit Side Persistent Info
				CreditSide*	Credit Side Persistent Info
			MsgPosting		Message Posting Information

¹ Not in the minimal scope, but included mainly for FX information that may be used in HOST

Level 1	Level 2	Level 3	Level 4	Level 5	Description
			Monitors		Monitor Information
				UserMonitors	User Monitor Information
				ServiceMonitors	Service Monitor Information

2.1.1 Detailed Structure when using Minimal Scope

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.'

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. Note: This needs to be the same as the context name received in the request.	Text {1,n}	<ul style="list-style-type: none"> • Posting • Cancellation
p:contextLocalName	3				+								[0..1]	Context Local Name	Generic optional field to add regarding the specific usage, but using the financial institution's system terminology naming, in case such a local name exists and is required for the identification on the financial institution's 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
																	<p>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.</p> <p>If left empty – no filtering will occur</p> <p>In the context of Posting initiated from the GPP flow – has less meaning and business rational.</p>
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: 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}	Map from P_MID (logical field P_MID)
deliveryTimestamp	3				+								[0..1]	Deliver Timestamp	The Timestamp when the request was created.	ISO Date Time	Populate with Office Date Time

² 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
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 'GPP'
EventID	3				+								[0..1]	Event ID	Unique 16 character 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]	Transaction	ISO or SWIFT message text that is stored in an XML structure in the XML_MSG.		The entire transaction is mapped from MINF.XML_MSG
Extn*	3				+								[1..1]	Extension			
ProcessingPersistentInfo*	4					+							[0..1]	Processing Persistent Info	Transaction derived attributes relevant to the transaction information. Note: This section includes optional additional information that is not part of the minimal scope, but may be required in some case, for instance for rechecking the FX calculations. Note: Although the quote of the different accounts to be posted (principal debit/credit accounts and fee accounts) is included in this section in the full Fndt Message structure, in the minimal scope for this usage, these accounts are quoted within <MsgPosting> sub-tree. The sub-tree includes all the Posting information, information sent to		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															HOST and information received back from HOST.		
CreditSide*	5						+						[0..1]	Credit Side Persistent Info	Information on the Credit side.		
P_CDT_MID_RATE	6							+					[0..1]	Credit Mid Rate	The credit side mid rate used to compute the base amount of the credit side FX calculation, if FX was involved in this transaction on credit side.	fractionDigits 10 totalDigits 18	Mapped from MINF.P_CDT_MID_RATE (logical field P_CDT_MID_RATE)
P_CDT_RATE	6							+					[0..1]	Credit Rate	The credit side rate used for the credit side FX calculation, if FX was involved in this transaction on credit side.	fractionDigits 10 totalDigits 18	Mapped from MINF.P_CDT_RATE (logical field P_CDT_RATE)
P_CDT_RATE_USAGE_NM	6							+					[0..1]	Credit Rate Usage Name	The name of the Rate Usage profile selected to be used for credit side FX calculation, if FX was involved in this transaction on credit side.	Text {1,40}	Mapped from MINF.P_CDT_RATE_USAGE_NM (logical field P_CDT_RATE_USAGE_NM)
P_CDT_SPREAD	6							+					[0..1]	Credit Spread	Credit spread, the max difference in rate between the standard (or quoted) rate and the rate given to the customer on the credit side.	fractionDigits 3 totalDigits 18	Mapped from MINF.P_CDT_SPREAD (logical field P_CDT_SPREAD)
P_CDT_CROSS_CONV	6							+					[0..1]	Credit Cross Conversion Indicator	An indicator whether cross conversion was required for the credit side FX calculation, if FX was involved in this transaction on credit side.	[1,0] {1, 1}	Mapped from MINF.P_CDT_CROSS_CONV (logical field P_CDT_CROSS_CONV)
P_CDT_TRIANGULATION_CCY	6							+					[0..1]	Credit Triangulation Currency	The triangulation currency used for cross conversion credit side FX calculation, if cross conversion FX was involved in this transaction on credit side.	[A-Z] {3, 3}	Mapped from MINF.P_CDT_TRIANGULATION_CCY (logical field P_CDT_TRIANGULATION_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
P_CDT_AMT_STE P1	6							+					[0..1]	Credit Amount Step1	The amount calculated on the first step of the cross conversion credit side FX calculation, if cross conversion FX was involved in this transaction on credit side.	fractionDigits 3 totalDigits 18	Mapped from MINF.P_CDT_AMT_STEP1 (logical field P_CDT_AMT_STEP1)
P_CDT_RATE_ST EP1	6							+					[0..1]	Credit Rate Step1	The rate used on the first step of the cross conversion credit side FX calculation, if cross conversion FX was involved in this transaction on credit side.	fractionDigits 10 totalDigits 18	Mapped from MINF.P_CDT_RATE_STEP1 (logical field P_CDT_RATE_STEP1)
P_CDT_RATE_ST EP2	6							+					[0..1]	Credit Rate Step2	The rate used on the second step of the cross conversion credit side FX calculation, if cross conversion FX was involved in this transaction on credit side.	fractionDigits 10 totalDigits 18	Mapped from MINF.P_CDT_RATE_STEP2 (logical field P_CDT_RATE_STEP2)
DebitSide*	5							+					[0..1]	Debit Side Persistent Info	Information on the Debit side.		
P_DBT_MID_RATE	6							+					[0..1]	Debit Mid Rate	The debit side mid rate used to compute the base amount of the debit side FX calculation, if FX was involved in this transaction on debit side.	fractionDigits 10 totalDigits 18	Mapped from MINF.P_DBT_MID_RATE (logical field P_DBT_MID_RATE)
P_DBT_RATE	6							+					[0..1]	Debit Rate	The debit side rate used for the debit side FX calculation, if FX was involved in this transaction on debit side.	fractionDigits 10 totalDigits 18	Mapped from MINF.P_DBT_RATE (logical field P_DBT_RATE)
P_DBT_RATE_US AGE_NM	6							+					[0..1]	Debit Rate Usage Name	The name of the Rate Usage profile selected to be used for debit side FX calculation, if FX was involved in this transaction on debit side.	Text {1,40}	Mapped from MINF.P_DBT_RATE_USAGE_NM (logical field P_DBT_RATE_USAGE_NM)
P_DBT_SPREAD	6							+					[0..1]	Debit Spread	Debit spread - the max difference in rate between the standard (or quoted) rate and	fractionDigits 3	Mapped from MINF.P_DBT_SPREAD (logical field P_DBT_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
															the rate given to the customer on the debit side.	totalDigits 18	
P_DBT_CROSS_CONV	6							+					[0..1]	Debit Cross Conversion Indicator	An indicator whether cross conversion was required for the debit side FX calculation, if FX was involved in this transaction on debit side.	[1,0] {1, 1}	Mapped from MINF.P_DBT_CROSS_CONV (logical field P_DBT_CROSS_CONV)
P_DBT_TRIANGULATION_CCY	6							+					[0..1]	Debit Triangulation Currency	The triangulation currency used for cross conversion debit side FX calculation, if cross conversion FX was involved in this transaction on debit side.	[A-Z] {3, 3}	Mapped from MINF.P_DBT_TRIANGULATION_CCY (logical field P_DBT_TRIANGULATION_CCY)
P_DBT_AMT_STEP1	6							+					[0..1]	Debit Amount Step1	The amount calculated on the first step of the cross conversion debit side FX calculation, if cross conversion FX was involved in this transaction on debit side.	fractionDigits 3 totalDigits 18	Mapped from MINF.P_DBT_AMT_STEP1 (logical field P_DBT_AMT_STEP1)
P_DBT_RATE_STEP1	6							+					[0..1]	Debit Rate Step1	The rate used on the first step of the cross conversion debit side FX calculation, if cross conversion FX was involved in this transaction on debit side.	fractionDigits 10 totalDigits 18	Mapped from MINF.P_DBT_RATE_STEP1 (logical field P_DBT_RATE_STEP1)
P_DBT_RATE_STEP2	6							+					[0..1]	Debit Rate Step2	The rate used on the second step of the cross conversion debit side FX calculation, if cross conversion FX was involved in this transaction on debit side.	fractionDigits 10 totalDigits 18	Mapped from MINF.P_DBT_RATE_STEP2 (logical field P_DBT_RATE_STEP2)
MsgPosting	4					+							[1..1]	Message Posting			
M_POSTING_INFO_LINE	5						+						[1..n]	Posting Information Line	Each occurrence populated with the attributes of a separate Msg_Posting entry per this P_MID.		

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_POSTING_INFO_POSTING_REQ_ID	6							+					[1..1]	Posting Request Id	A unique Id of the posting request that includes the following multiple posting entries. Note: Although this is one value for all the posting entry occurrences – due to technical implications – it is quoted in the Fndt Message structure as in the Db Msg_Posting table ifor each occurrence.	Text {1,50}	Map from Msg_Posting.Posting_Reqst_Id
F_POSTING_INFO_POSTING_NTRY_ID	6							+					[1..1]	Posting Entry Id	A unique Id of the posting entry.	Text {1,16}	Map from Msg_Posting.Posting_Entry_Id
F_POSTING_INFO_IS_REVERSAL_IND	6							+					[0..1]	Reversal Indicator	An indicator whether the posting entry is a reversed posting of another original posting entry.	[0,1] {1, 1}	Map from Msg_Posting.Is_Reversal_Ind
F_POSTING_INFO_RVRSD_ORIG_NTRY_ID	6							+					[0..1]	Reversed Entry ID	In the reversed posting entry this tag quotes the posting entry ID of the original posting entry that is being reversed. In the GPP database, in the original posting entry, this tag quotes the reversed posting entry ID. The original entries are not sent out to Posting in the reversal stage. These can be sent out with the ID of the reversing entry when sent in the Notifications. Note: When the first step accounting is a lump sum (on the S): <ul style="list-style-type: none">Only in the reversed posting entries of the individual messages, the original posting is quoted.This tag is not quoted in the original lump posting entry, as there is a relation of 1:n between the original posting	Text {1,16}	Map from Msg_Posting.Reversed_Orig_Posting_Entry_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
															entry (on the S) and the possible reversed (per Individual)		
F_POSTING_INFO _POSTING_TYPE	6							+					[1..1]	Posting Type	<p>The entry posting type, can have the following values (setup in Fields_Values for Field_Type='POSTING_TYPE'):</p> <ul style="list-style-type: none"> • MAIN_CR – principle credit amount • MAIN_DR – principle debit amount • FEE_CR – fees on credit side customer • FEE_DR – fees on debit side customer • PNL_DR – amount in P&L account for fees on debit side • PNL_CR – amount in P&L account for fees on credit side • AGT_FEE_DR – agent fees on debit side customer • AGT_PNL_DR – amount in P&L account for agent fees • TAX_ON_FEE_CR – Tax amount on credit side customer fees • TAX_ON_FEE_DR – Tax amount on debit side customer fees • TAX_ON_FEE_PNL_CR – Tax amount on credit side customer fees in tax P&L account • TAX_ON_FEE_PNL_DR – Tax amount on debit side customer fees in tax P&L account • TAX_ON_MAIN_CR – Tax amount on principal credit amount 	Text {1,30}	Map from Msg_Posting.Posting_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
															<ul style="list-style-type: none"> TAX_ON_MAIN_DR – Tax amount on principal debit amount TAX_ON_MAIN_PNL_CR – Tax amount on principal credit amount in tax P&L account TAX_ON_MAIN_PNL_DR – Tax amount on principal credit amount in tax P&L account TAX_ON_TAX_CR – Tax amount on credit side tax TAX_ON_TAX_DR – Tax amount on debit side tax TAX_ON_TAX_PNL_CR – Tax amount on credit side tax in tax P&L account TAX_ON_MAIN_PNL_DR – Tax amount on debit side tax in tax P&L account BSA_CR – Batch Suspense Account credit amount BSA_DR – Batch Suspense Account debit amount SA_MAIN_CR - Credit principal amount to suspense account for 2-step-accounting SA_MAIN_DR - Debit principal amount to suspense account for 2-step-accounting SA_FEE_CR - Credit fee amount on credit side to suspense account for 2-step-accounting SA_FEE_DR - Debit fee amount on debit side to suspense account for 2-step-accounting MAIN_GROSS_CR - Gross principle (no fee deduction) credit amount on 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
															<ul style="list-style-type: none"> SA_MAIN_GROSS_CR - Credit gross principal amount (no fee deduction) to suspense account for 2-step-accounting SA_CRSS_BOOK_MAIN_CDT_SD – Principal amount-cross-booking-systems balancing on credit side system SA_CRSS_BOOK_MAIN_DBT_SD – Principal amount-cross-booking-systems balancing on debit side system SA_CRSS_BOOK_FEE_CDT_SD – Fee amount-cross-booking-systems balancing on credit side system SA_CRSS_BOOK_FEE_DBT_SD – Fee amount-cross-booking-systems balancing on debit side system SA_CRSS_BOOK_TAX_FEE_CDT_SD – Tax on Fee amount-cross-booking-systems balancing on credit side system (PNL) SA_CRSS_BOOK_TAX_FEE_DBT_SD – Tax on Fee amount-cross-booking-systems balancing on debit side system SA_CRSS_BOOK_TAX_MAIN_CDT_SD – Tax on Principal amount-cross-booking-systems balancing on credit side system SA_CRSS_BOOK_TAX_MAIN_DBT_SD – Tax on Principal amount-cross-booking-systems balancing on debit side system SA_CRSS_BOOK_TAX_TAX_CDT_SD – Tax on Tax amount-cross-booking-systems 		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															balancing on credit side system (PNL) • SA_CRSS_BOOK_TAX_TAX_DBT_SD – Tax on Tax amount-cross-booking-systems balancing on debit side system • SA_FX_BAL_MAIN_CDTCCY – Principal amount-FX balancing on credit CCY • SA_FX_BAL_MAIN_DBTCCY– Principal amount-FX balancing on debit CCY • SA_FX_BAL_FEE_CDTCCY– Fee amount-FX balancing on credit (PNL) CCY • SA_FX_BAL_FEE_DBTCCY– Fee amount-FX balancing on debit (Fee) CCY • SA_FX_BAL_TAX_FEE_CDTCCY– Tax on Fee amount-FX balancing on credit (PNL) CCY • SA_FX_BAL_TAX_FEE_DBTCCY– Tax on Fee amount-FX balancing on debit (Fee) CCY • SA_FX_BAL_TAX_MAIN_CDTCCY– Tax on Principal amount-FX balancing on credit CCY • SA_FX_BAL_TAX_MAIN_DBTCCY– Tax on Principal amount-FX balancing on debit (Fee) CCY • SA_FX_BAL_TAX_TAX_CDTCCY– Tax on Tax amount-FX balancing on credit (PNL) CCY • SA_FX_BAL_TAX_TAX_DBTCCY– Tax on Tax amount-FX balancing on debit (Fee) 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_POSTING_INF O_OFFICE	6							+					[1..1]	Office	The office of the transaction.	[A-Z0-9] {3, 3}	Map from Msg_Posting.Office
F_POSTING_INF O_CR_DR_FLAG	6							+					[1..1]	Credit/Debit Flag	The action of this posting – CR/DR.	[A-Z0-9] {2, 2}	Map from Msg_Posting.Cr_Dr_Flag
F_POSTING_INF O_ACCNO	6							+					[1..1]	Posting Account Number	The account the posting is on.	Text {1,34}	Map from Msg_Posting.Acc_No ³
F_POSTING_INFO _ACCT_TP	6							+					[0..1]	Posting Account Type	The type of the account the posting is on. Note: The source for this attribute is either the Accounts.Acc_Type for accounts managed within GPP, or the account type returned via the Account Lookup service/interface.	Text {1,10}	Map from Msg_Posting.Acc_Type
F_POSTING_INFO _CURRENCY	6							+					[1..1]	Posting Account Currency	The currency account the posting is on. Note: The source for this attribute is either the Accounts.Currency for accounts managed within GPP, or the account currency returned via the Account Lookup service/interface.	[A-Z] {3, 3}	Map from Msg_Posting.Acc_Ccy
F_POSTING_INFO _ACC_OFFICE	6							+					[0..1]	Posting Account Office	The type of the account the posting is on. Note: The source for this attribute is the Accounts.Office for accounts managed within GPP. Will remain empty for customer accounts (not held in GPP).	[A-Z0-9] {3, 3}	Map from Msg_Posting.Acc_Office

³ It is assumed that the Msg_Posting.Acc_No is already populated with the correct full format of the account as it is used for processing 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
F_POSTING_INFO_CUST_ACC_IND	6							+					[0..1]	Customer Account Indicator	An indication that the posting account is a customer account. The source for this attribute is the relevant attribute of the AccTypes entry relevant for the posting account for accounts in which the Account Type is configured when the account is managed within GPP, or provided in Account Lookup for customer accounts not held in GPP. Will remain empty for accounts when such configuration or returned information is not included.	[1,0] {1, 1}	Map from Msg_Posting.Cust_Acc_Ind
F_POSTING_INFO_ACC_TRANS_CD	6							+					[0..1]	Posting Account Transaction Code	The transaction code associated with the account that the posting is on. The source for this attribute is as follows: <ul style="list-style-type: none"> For Principal debit entry – populated with P_DBT_TX_CD (that is populated using the Debit transaction code rules) For Principal credit entry – populated with P_CDT_TX_CD (that is populated using the Credit transaction code rules) For fee entries - populated with the transaction code of the relevant Fee Formula. 	Text {1,50}	Map from Msg_Posting.Acc_Trans_Code
F_POSTING_INFO_BOOKING_ENT	6							+					[0..1]	Posting Account Booking Entity	The booking entity / accounting system under which the account the posting is on is managed. Note: The source for this attribute is either the Accounts.Booking_Ent for accounts managed within GPP, or the accounting system returned via the Account Lookup service/interface. When this	Text {1,20}	Map from Msg_Posting.Booking_Ent

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															attribute is not configured for accounts managed within GPP, or it is not provided, for accounts that are not the source in the default configuration on the Office profile (Banks.Def_Booking_Ent)		
F_POSTING_INFO_ACCT_COST_CTR	6							+					[0..1]	Posting Account Cost Center	The Cost Center to which the account belongs. Used by Anti-Money Laundering, mainly for Posting and mainly in US. Note: The source for this attribute is either the Accounts.Cost_Ctr for accounts managed within GPP, or the accounting system returned via the Account Lookup service/interface.	Text {1,50}	Map from Msg_Posting.Acc_Cost_Ctr
F_POSTING_INFO_AMOUNT	6							+					[1..1]	Posting Amount	The amount posted per this entry.	fractionDigits 4 totalDigits 19	Map from Msg_Posting.Amount
F_POSTING_INFO_BASE_AMOUNT	6							+					[1..1]	Posting Base Amount	The base amount equivalent of the posting amount.	fractionDigits 4 totalDigits 19	Map from Msg_Posting.Base_Amount
F_POSTING_INFO_VALUE_DATE	6							+					[1..1]	Posting Date	The posting date per this entry.	ISO Date	Map from Msg_Posting.Value_Date
F_POSTING_INFO_FEE_TP	6							+					[0..1]	Fee Type	The fee type of the selected fee posted in this entry.	Text {1,15}	Not to be mapped (will not be sent once empty)
F_POSTING_INFO_FEE_TP_CTG	6							+					[0..1]	Fee Type Category	The fee type category of the selected fee posted in this entry. Note: Relevant only to the different FEE and PNL posting types. Will be empty for other posting types.	Text {1,15}	Map from Msg_Posting.Fee_Type_Group

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_POSTING_INFO_STATUS	6							+					[0..1]	Posting Status ⁴	The status of the posting entry.	[A-Z] {1, 1}	Not to be mapped (will not be sent once empty)
F_POSTING_INFO_EARMARK_REF	6							+					[0..1]	Earmark reference	Earmark reference that was returned from the Balance Inquiry interface (if returned), and should be sent back with the posting entry to allow the linkage between the earmarked funds and this posting entry.	Text {1,50}	<ul style="list-style-type: none"> If posting entry is for a principal amount - Map from P_BI_MAIN_ERAMARK_REF If posting entry is for a fee amount - Map from P_BI_FEE_ERAMARK_REF
F_POSTING_INFO_FORCE_POST_IND	6							+					[0..1]	Force Post Indicator	An indicator whether the current posting entry was sent to accounting system with an instruction to force post.	[0,1] {1, 1}	If Monitor user force from NSF (MU_NSF_FORCE_STS) ⁵ =1 or Override stop flags (MU_STOP_FLAGS_OVERRIDE_STS) ⁶ =1 – set to 1
F_MAN_POST_RS_PNS_IND	6							+					[0..1]	Manual Posting Response Indicator ⁷	An indicator whether the current posting status is the result of a manually instructed posting response a user had requested – either Positive or Negative.	[0,1] {1, 1}	Not to be mapped (will not be sent once empty)
MsgPostingEntryExt	6							+					[0..n]	Message Posting Entry Extension	Each occurrence populated with the customer specific attribute from a separate Msg_Posting_Ext entry in which Ext_Type=ENTRY and		

⁴ This tag is added to the generic Fndt Message as part of this Fndt Message update for use in reporting, but will not be populated, nor sent as part of the Posting Request (as is not relevant at the point the Request is sent out, it will always be P – Pending Response)

⁵ When a user selects the [Force Ins. Funds](#) button from [Insufficient Funds](#) (NSF) queue and the posting request is resent to the accounting system and needs to reflect the fact that it should force the posting this time.

⁶ When a user selects the [Override](#) button from [Posting Restrictions](#) (POSTEX) queue and the posting request is resent to the accounting system and needs to reflect the fact that it should force the posting this time.

⁷ This tag is part of the generic Fndt Message but its main purpose is for use in reporting. It will only be populated, and sent as part of the Posting Request in cases a Request is sent out after manual actions

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															Posting_Id= <F_POSTING_INFO_POSTING_NTRY_ID> ⁸ , if such additional attributes exist (excluding the internal fields used to associative between related entries – Field_Name is Rltd_MsgPostng_Id[i]* for most relations or 'Rltd_Fee_Dedct_MsgPostng_Id' for the special case of a MAIN_CR entry being related to the PNL_CR).		
F_POSTING_NTRY_EXT_INFO_FLD_NM	7								+				[1..1]	Entry Extension Field Name	The name of the additional customer specific attribute (on entry level).	Text {1,50}	Map from Msg_Posting_Extn.Field_Name Where Msg_Posting_Extn entry in which Ext_Type=ENTRY and Posting_Id= <F_POSTING_INFO_POSTING_NTRY_ID>
F_POSTING_NTRY_EXT_INFO_FLD_VAL	7								+				[1..1]	Entry Extension Field Value	The value of the additional customer specific attribute (on entry level).	Text {1,100}	Map from Msg_Posting_Extn.Field_Value Where Msg_Posting_Extn entry in which Ext_Type=ENTRY and Posting_Id= <F_POSTING_INFO_POSTING_NTRY_ID>
MsgPostingReqExt	5						+						[0..n]	Message Posting Entry Extension	Each occurrence populated with the customer specific attribute from a separate Msg_Posting_Extn entry in which Ext_Type=REQST and		

⁸ Additional customer specific attributes in the posting entry level

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															Posting_Id= <F_POSTING_INFO_POSTING_REQ_ID> ⁹ , if such additional attributes exist		
F_POSTING_REQ_EXT_INFO_FLD_NM	6							+					[1..1]	Request Extension Field Name	The name of the additional customer specific attribute (on request level).	Text {1,50}	Map from Msg_Posting_Extn.Field_Name Where Msg_Posting_Extn entry in which Ext_Type=REQST and Posting_Id= <F_POSTING_INFO_POSTING_REQ_ID>
F_POSTING_REQ_EXT_INFO_FLD_VAL	6								+				[1..1]	Request Extension Field Value	The value of the additional customer specific attribute (on request level).	Text {1,100}	Map from Msg_Posting_Extn.Field_Value Where Msg_Posting_Extn entry in which Ext_Type=REQST and Posting_Id= <F_POSTING_INFO_POSTING_REQ_ID>
Monitors	4													Monitors			
UserMonitors	5													User Monitors			
MU_BIWAITQ_ACTION	6												[1..1]	BIWAIT Queue User Monitor	Monitors user action in the BIWAITQ on a message with Earmark request. Possible values: <ul style="list-style-type: none"> • C = Cancel • R = Retry 	Text {1,50}	

⁹ Additional customer specific attributes in the posting request level

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															<ul style="list-style-type: none"> F = Force 		
MU_NSF_FORCE_STS	6												[1..1]	NSF Force Status User Monitor	Monitors user action to force a message in the NSF queue	Text {1,50}	
MU_STOP_FLAGS_OVERRIDE_STS	6												[1..1]	Stop Flages Override Status User Monitor	Monitors Override Stop Flags	Text {1,50}	
ServiceMonitors	5													Service Monitors			
MF_EARMARK	6												[1..1]	Earmark Request Flow Monitor	Flow monitor for Earmark request indicators. Possible values: <ul style="list-style-type: none"> C = Up on response R = Up on release W = Up on sending request 	Text {1,50}	
MF_PDM	6												[1..1]	Possible Duplicate Flag Flow Monitor	Flow monitor for possible duplicate posting. Possible values: <ul style="list-style-type: none"> T = True X = Not applicable 	Text {1,50}	
MF_POSTING_STS	6												[1..1]	Posting Status Flow Monitor	Flow monitor for payment posting status. Possible values: <ul style="list-style-type: none"> C = Posted P = Pending 	Text {1,50}	

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/Into GPP Table and Field
															<ul style="list-style-type: none"> • R = Reversal • X = Not applicable 		

2.2 Posting Response

The following sections from the full Fndt (FuNDs Transfer) Message structure are the Product minimal scope to be included when it is used as a Posting 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			Pmnt quotes the transaction (whether it is ISO based pain / pacs or a SWIFT message embedded within the GPP proprietary XML structure). For more information, see the <i>GPP Technical Guide Fndt Message Format</i> document.
		Extn*			
			ReferenceData*		Transaction-related profile reference data.
				M_DBT_CUST_PROFILE	Debit Party Profile Info. This information also includes Stop Flags / Posting Restrictions set on the debit customer.
				M_CDT_CUST_PROFILE	Credit Party Profile Info. This information also includes Stop Flags / Posting Restrictions set on the credit customer.
				M_DBT_ACCOUNT	Debit Account Info, mainly Stop Flags / Posting Restrictions set on the debit account.

Level 1	Level 2	Level 3	Level 4	Level 5	Description
					Populated in the Posting response.
				M_CDT_AC COUNT	Credit Account Info, mainly Stop Flags / Posting Restrictions set on the credit account. Populated in the Posting response.
			MsgPosting		Message Posting Information
	ResponseD etails				Applicable for interface responses.

2.2.1 Detailed Structure when using Minimal Scope

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.'

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. Note: This needs to be the same as the context name received in the request.	Text {1,n}	<ul style="list-style-type: none"> • Posting • Cancellation
contextLocalName	3				+								[0..1]	Context Local Name	Generic optional field to add regarding the specific usage, but using the financial institution's 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

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>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 does not have permissions for.</p> <p>This section is mainly used when the Fndt Message structure is used within SOA services, but can also be applied, if filtering is required, when using it in interface structures.</p> <p>If left empty – no filtering occurs</p> <p>In the context of Posting initiated from the GPP flow – has less meaning and business rational.</p>
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	Text {1,50}	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				+								[0..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

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
																	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 is 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 with <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			
Pmnt	3				+								[0..1]	Transaction	ISO or SWIFT message text that is stored in an XML structure in the XML_MSG.		Optionally can be populated with value in <Pmnt> in the request, or omitted. Will not be used in GPP.
Extn*	3				+								[0..1]	Extension			
ReferenceData*	4					+							[0..1]	Reference Data			

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
M_DBT_ACCOUNT	5						+						[0..1]	Debit Account	Debit Account Details Note: this section is only populated and sent when there is a posting failure due to posting restriction on the debit account		
F_DBT_ACCT_STOPFLA GDR	6							+					[0..1]	Debit Stop Flag / Posting Restriction on Debit Account on indication	Indicates that there is a debit Stop Flag / Posting Restriction set on the debit account. Note: Specific reason indicated in the next tag.	[1,0] {1,1}	
F_DBT_ACCT_REASON DR	6							+					[0..1]	Debit Stop Flag / Posting Restriction on Debit Account Reason	The code / reason for the debit Stop Flag / Posting Restriction set on the debit account. Codes provided should quote values already configured in GPP as Stop Flags .	Text {1,35}	
F_DBT_ACCT_STOPFLA GCR	6							+					[0..1]	Credit Stop Flag / Posting Restriction on Debit Account on indication	Indicates that there is a credit Stop Flag / Posting Restriction set on the debit account. Note: Specific reason indicated in the next tag.	[1,0] {1,1}	
F_DBT_ACCT_REASON CR	6							+					[0..1]	Credit Stop Flag / Posting Restriction on account reason	The code / reason for the credit Stop Flag / Posting Restriction set on the account. Note: Codes provided should quote values already configured in GPP as Stop Flags .	Text {1,35}	
M_CDT_ACCOUNT	5						+						[0..1]	Credit Account	Credit Account Details		

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: this section is only populated and sent when there is a posting failure due to posting restriction on the credit account.		
F_CDT_ACCT_STOPFLA GDR	6							+					[0..1]	Debit Stop Flag / Posting Restriction on Credit Account on indication	Indicates that there is a debit Stop Flag / Posting Restriction set on the credit account Note: Specific reason indicated in the next tag.		
F_CDT_ACCT_REASON DR	6							+					[0..1]	Debit Stop Flag / Posting Restriction on Credit Account Reason	The code / reason for the debit Stop Flag / Posting Restriction set on the credit account Note: Codes provided should quote values already configured in GPP as Stop Flags .		
F_CDT_ACCT_STOPFLA GCR	6							+					[0..1]	Credit Stop Flag / Posting Restriction on Credit Account on indication	Indicates that there is a credit Stop Flag / Posting Restriction set on the credit account. Note: Specific reason indicated in the next tag.		
F_CDT_ACCT_REASON CR	6							+					[0..1]	Credit Stop Flag / Posting Restriction on Credit Account Reason	The code / reason for the credit Stop Flag / Posting Restriction set on the credit account. Note: Codes provided should quote values already configured in GPP as Stop Flags .		
M_DBT_CUST_PROFILE	5						+						[0..1]	Debit Customer	Debit Customer Details Note: this section is only populated and sent when there is a posting 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
															due to posting restriction on the debit customer		
F_DBT_CUST_STOPFLA GFROM	6							+					[0..1]	Debit Stop Flag / Posting Restriction on Debit Customer indication	Indicates that there is a debit Stop Flag / Posting Restriction set on the debit customer. Note: Specific reason indicated in the next tag.	[1,0] {1,1}	
F_DBT_CUST_FROMRE ASON	6							+					[0..1]	Debit Stop Flag / Posting Restriction on Debit Customer Reason	The code / reason for the debit Stop Flag / Posting Restriction set on the debit customer. Note: Codes provided should quote values already configured in GPP as Stop Flags .	Text {1,35}	
F_DBT_CUST_STOPFLA GTO	6							+					[0..1]	Credit Stop Flag/Posting Restriction on Debit Customer Indication	Indicates that there is a credit Stop Flag / Posting Restriction set on the debit customer. Note: Specific reason indicated in the next tag.	[1,0] {1,1}	
F_DBT_CUST_TOREAS ON	6							+					[0..1]	Credit Stop Flag/Posting Restriction on Debit Customer Reason	The code / reason for the credit Stop Flag / Posting Restriction set on the debit customer. Note: Codes provided should quote values already configured in GPP as Stop Flags .	Text {1,35}	
M_CDT_CUST_PROFILE	5						+						[0..1]	Credit Customer	Credit Customer Details Note: this section is only populated and sent when there is a posting failure due to posting restriction on the credit customer		

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_STOPFLAGFROM	6							+					[0..1]	Debit Stop Flag / Posting Restriction on Credit Customer Indication	Indicates that there is a debit Stop Flag / Posting Restriction set on the credit customer. Note: Specific reason indicated in the next tag.	[1,0] {1,1}	
F_CDT_CUST_FROMREASON	6							+					[0..1]	Debit Stop Flag / Posting Restriction on Credit Customer Reason	The code / reason for the debit Stop Flag / Posting Restriction set on the credit customer. Note: Codes provided should quote values already configured in GPP as Stop Flags .	Text {1,35}	
F_CDT_CUST_STOPFLAGTO	6							+					[0..1]	Credit Stop Flag / Posting Restriction on Credit Customer Indication	Indicates that there is a credit Stop Flag / Posting Restriction set on the credit customer. Note: Specific reason indicated in the next tag.	[1,0] {1,1}	
F_CDT_CUST_TOREASON	6							+					[0..1]	Credit Stop Flag / Posting Restriction on Credit Customer Reason	The code / reason for the credit Stop Flag / Posting Restriction set on the credit customer. Note: Codes provided should quote values already configured in GPP as Stop Flags .	Text {1,35}	
MsgPosting	4					+							[0..1]	Message Posting			Will not be used in GPP, unless a different value date other than in the Request, or a status per entry, or additional extension fields (customer specific) on top of ones from the Request are provided.

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
M_POSTING_INFO_LINE	5						+						[1..n]	Posting Information Line	Each occurrence is populated from the parallel occurrence in request.		
F_POSTING_INFO_POSTING_REQ_ID	6							+					[1..1]	Posting Request Id	A unique ID of the posting request that includes the following multiple posting entries. Note: Although this is one value per all the posting entries occurrences – due to technical implications – it is quoted in the Fndt Message structure as in the Db Msg_Posting table in each occurrence.	Text {1,50}	
F_POSTING_INFO_POSTING_NTRY_ID	6							+					[1..1]	Posting Entry Id	A unique ID of the posting entry.	Text {1,16}	
F_POSTING_INFO_IS_REVERSAL_IND	6							+					[0..1]	Reversal Indicator	An indicator whether the posting entry is a reversed posting of another original posting entry.	[0,1] {1, 1}	
F_POSTING_INFO_RVRS_D_NTRY_ID	6							+					[0..1]	Reversed Entry ID	The posting entry ID of the original entry this is a reversal of. Note: Relevant only in entries marked as reversals	Text {1,16}	
F_POSTING_INFO_POSTING_TYPE	6							+					[1..1]	Posting Type	The entry posting type, can have the following values (setup in Fields_Values for Field_Type='POSTING_TYPE'):	Text {1,30}	

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
															<ul style="list-style-type: none"> • BSA_CR – Batch Suspense Account credit amount • BSA_DR – Batch Suspense Account debit amount • MAIN_CR – principle credit amount • MAIN_DR – principle debit amount • FEE_CR – fees on credit side customer • FEE_DR – fees on debit side customer • PNL_DR – amount in P&L account for fees on debit side • PNL_CR – amount in P&L account for fees on credit side • AGT_FEE_DR – agent fees on debit side customer • AGT_PNL_DR – amount in P&L account for agent fees • MAIN_GROSS_CR - Gross principle (no fee deduction) credit amount on debit side • SA_CRSS_BOOK_MAIN_CDT_SD – Principal amount-cross-booking-systems balancing on credit side system • SA_CRSS_BOOK_MAIN_DBT_SD – Principal amount-cross-booking- 		

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
															systems balancing on debit side system • SA_CRSS_BOOK_FEE _CDT_SD – Fee amount-cross-booking- systems balancing on credit side system • SA_CRSS_BOOK_FEE _DBT_SD – Fee amount-cross-booking- systems balancing on debit side system • SA_FX_BAL_MAIN_CD TCCY– Principal amount-FX balancing on credit CCY • SA_FX_BAL_MAIN_ DBTCCY– Principal amount-FX balancing on debit CCY • SA_FX_BAL_FEE_ CDTCCY– Fee amount- FX balancing on credit (PNL) CCY • SA_FX_BAL_FEE_DBT CCY– Fee amount-FX balancing on debit (Fee) CCY		
F_POSTING_INFO_OFFI CE	6							+					[1..1]	Office	The office of the transaction.	[A-Z0-9] {3, 3}	
F_POSTING_INFO_CR_ DR_FLAG	6							+					[1..1]	Credit/Debit Flag	The action of this posting – CR/DR.	[A-Z0-9] {2, 2}	
F_POSTING_INFO_ACC NO	6							+					[1..1]	Posting Account Number	The account the posting is on.	Text {1,34}	
F_POSTING_INFO_ACCT _TP	6							+					[0..1]	Posting Account Type	The type of the account the posting is on.	Text {1,10}	

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: The source for this attribute is either the Accounts.Acc_Type for accounts managed within GPP, or the account type returned via the Account Lookup service/interface.		
F_POSTING_INFO_CURR ENCY	6							+					[1..1]	Posting Account Currency	The currency account the posting is on. Note: The source for this attribute is either the Accounts.Currency for accounts managed within GPP, or the account currency returned via the Account Lookup service/interface.	[A-Z] {3, 3}	
F_POSTING_INFO_ACC_ OFFICE	6							+					[0..1]	Posting Account Office	The type of the account the posting is on. Note: The source for this attribute is the Accounts.Office for accounts managed within GPP. Will remain empty for customer accounts (not held in GPP).	[A-Z0-9] {3, 3}	
F_POSTING_INFO_CUST _ACC_IND	6							+					[0..1]	Customer Account Indicator	An indication that the posting account is a customer account. The source for this attribute is the relevant attribute of the AccTypes entry relevant for the posting account for accounts managed within GPP. Will remain empty for customer accounts (not held in GPP).	[1,0] {1, 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
F_POSTING_INFO_ACC_TRANS_CD	6							+					[0..1]	Posting Account Transaction Code	The transaction code associated with the account the posting is on. The source for this attribute is as follows: <ul style="list-style-type: none"> For Principal debit entry – populated with P_DBT_TX_CD (that is populated using the Debit transaction code rules) For Principal credit entry – populated with P_CDT_TX_CD (that is populated using the Credit transaction code rules) For fee entries - populated with the transaction code of the relevant Fee Formula. 	Text {1,50}	
F_POSTING_INFO_BOOKING_ENT	6							+					[0..1]	Posting Account Booking Entity	The booking entity / accounting system under which the account the posting is on is managed. Note: The source for this attribute is either the Accounts.Booking_Ent for accounts managed within GPP, or the accounting system returned via the Account Lookup service/interface.	Text {1,20}	
F_POSTING_INFO_ACCT_COST_CTR	6							+					[0..1]	Posting Account Cost Center	The Cost Center to which the account belongs. Used by Anti-Money Laundering, mainly for posting and mainly in US.	Text {1,50}	

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: The source for this attribute is either the Accounts.Cost_Ctr for accounts managed within GPP, or the accounting system returned via the Account Lookup service/interface.		
F_POSTING_INFO_AMO UNT	6							+					[1..1]	Posting Amount	The amount posted per this entry.	fractionDigits 4 totalDigits 19	
F_POSTING_INFO_BASE _AMOUNT	6							+					[1..1]	Posting Base Amount	The base amount equivalent of the posting amount.	fractionDigits 4 totalDigits 19	
F_POSTING_INFO_VALU E_DATE	6							+					[1..1]	Posting Date	The posting date per this entry.	ISO Date	If provided in the Response with a different value than in entry ¹⁰ , and only if returned status is positive (either on the specific entry in F_POSTING_INFO_STATUS or in the general returnCode) – mapped to Msp_Posting.Value_Date of the Msg_Posting entry for which Msg_Posting.POSTING_ENTRY_UID = <F_POSTING_INFO_POSTING_NTRY_ID> Note: There are no validations on this value date in GPP. It is the responsibility

¹⁰ Response arrived on next business day

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
																	of the accounting system to provide a correct and comprehensive value, if required to override the date provided in the Request.
F_POSTING_INFO_FEE_TP	6							+					[0..1]	Fee Type	The fee type of the selected fee posted in this entry.	Text {1,15}	
F_POSTING_INFO_FEE_TP_CTG	6							+					[0..1]	Fee Type Category	The fee type category of the selected fee posted in this entry. Note: Relevant only to the different FEE and PNL posting types. Will be empty for other posting types.	Text {1,15}	
F_POSTING_INFO_STAT_US	6							+					[0..1]	Posting Status ¹¹	The status of the posting entry.	[A-Z] {1, 1}	If provided in the Response – mapped to Msp_Posting.Posting_Sts of the Msg_Posting entry for which Msg_Posting.POSTING_ENTRY_UID = <F_POSTING_INFO_POSTING_NTRY_ID>
F_POSTING_INFO_EARMARK_REF	6							+					[0..1]	Earmark reference	Earmark reference that was returned from the Balance Inquiry interface (if returned), and should be sent back with the posting entry to allow the	Text {1,50}	

¹¹ This tag is part of the generic Fndt Message but its main purpose is for use in reporting. It will only be populated, and sent as part of the Posting Request in cases a Request is sent out after manual actions

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
															linkage between the earmarked funds and this posting entry.		
F_POSTING_INFO_FORC E_POST_IND	6							+					[0..1]	Force Post Indicator	An indicator whether the current posting entry was sent to accounting system with an instruction to force post.	[0,1] {1, 1}	
F_MAN_POST_RSPNS_IN D	6							+					[0..1]	Manual Posting Response Indicator ¹²	An indicator whether the current posting status is the result of a manually instructed posting response a user had requested – either Positive or Negative	[0,1] {1, 1}	
MsgPostingEntryExt	6							+					[0..n]	Message Posting Entry Extension	Each occurrence populated with the customer specific attribute from a separate Msg_Posting_Extn entry in which Ext_Type=ENTRY and Posting_Id= <F_POSTING_INFO_PO STING_NTRY_ID> ¹³ , if such additional attributes exist (excluding the internal fields used to associate between related entries –		

¹² This tag is part of the generic Fndt Message but its main purpose is for use in reporting. It will only be populated, and sent as part of the Posting Request in cases a Request is sent out after manual actions

¹³ Additional customer specific attributes in the posting entry level

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
															Field_Name is Rltd_MsgPostng_Id[i]* for most relations or 'Rltd_Fee_Dedct_MsgPos tng_Id' for the special case of a MAIN_CR entry being related to the PNL_CR) Note: If required to return customer specific information from accounting system per a specific posting entry – occurrences can be added to this section - each occurrence populated with the returned customer specific attribute		
F_POSTING_NTRY_EXT_I NFO_FLD_NM	7								+				[1..1]	Entry Extension Field Name	The name of the additional customer specific attribute (on entry level).	Text {1,50}	For additional occurrences not already in Msg_Posting_Extn with Ext_Type=ENTRY and Posting_Id= <F_POSTING_INFO_POSTI NG_NTRY_ID> - Map from Msg_Posting_Extn.Field_Na me Where Msg_Posting_Extn entry in which Ext_Type=ENTRY and Posting_Id= <F_POSTING_INFO_POSTI NG_NTRY_ID>
F_POSTING_NTRY_EXT_I NFO_FLD_VAL	7								+				[1..1]	Entry Extension Field Value	The value of the additional customer specific attribute (on entry level).	Text {1,100}	For additional occurrences not already in Msg_Posting_Extn with Ext_Type=ENTRY and Posting_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
																	<F_POSTING_INFO_POSTING_NTRY_ID> - Map from Msg_Posting_Extn.Field_Value Where Msg_Posting_Extn entry in which Ext_Type=ENTRY and Posting_Id= <F_POSTING_INFO_POSTING_NTRY_ID>
MsgPostingReqExt	5						+						[0..n]	Message Posting Request Extension	Each occurrence populated with the customer specific attribute from a separate Msg_Posting_Extn entry in which Ext_Type=REQST and Posting_Id= <F_POSTING_INFO_POSTING_REQ_ID> ¹⁴ , if such additional attributes exist. Note: If required to return customer specific information from accounting system per the full posting response – occurrences can be added to this section - each occurrence populated with the		

¹⁴ Additional customer specific attributes in the posting request level

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
															returned customer specific attribute		
F_POSTING_REQ_EXT_I NFO_FLD_NM	6							+					[1..1]	Request Extension Field Name	The name of the additional customer specific attribute (on request level).	Text {1,50}	For additional occurrences not already in Msg_Posting_Extn with Ext_Type=REQST and Posting_Id= <F_POSTING_INFO_POSTI NG_REQ_ID> - Map from Msg_Posting_Extn.Field_Na me Where Msg_Posting_Extn entry in which Ext_Type=REQST and Posting_Id= <F_POSTING_INFO_POSTI NG_REQ_ID>
F_POSTING_REQ_EXT_I NFO_FLD_VAL	6							+					[1..1]	Request Extension Field Value	The value of the additional customer specific attribute (on request level).	Text {1,100}	For additional occurrences not already in Msg_Posting_Extn with Ext_Type=REQST and Posting_Id= <F_POSTING_INFO_POSTI NG_REQ_ID> - Map from Msg_Posting_Extn.Field_Val ue Where Msg_Posting_Extn entry in which Ext_Type=REQST and Posting_Id= <F_POSTING_INFO_POSTI NG_REQ_ID>
ResponseDetails	2			+									[1..1]	Response Details			

Tag	L	0	1	2	3	4	5	6	7	8	9	10	Presence	Element	Description	Format	Mapped From/ Into GPP Table and Field
returnCode	3				+								[1..1]	Return Code	The return code to indicate success (1), or failure (any other code) of posting. Note: Any failure can be marked with 0, but it is preferable to use more specific codes to distinguish between posting restriction failure, NSF failure, technical failure and any other failure. Mapping between financial institution's codes and GPP internal codes should be configured to allow usage of financial institution's codes.	[0-9] {1, 5}	
description	3				+								[0..1]	Description	The description of the return code. Relevant only for a failure (not 1) <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 one of multiple failure codes of posting.	[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}	

Note: Although the interface supports receiving proprietary return codes for the various failure responses, as long as the appropriate mapping between financial institution's codes and GPP internal codes is pre-configured, When using the Standard Fndt Message FI can also directly use the GPP internal numeric return codes listed as follows:

- 1 – to indicate a Posting status of 'S' (Success)
 - 990 – to indicate a Posting status of 'E' (Processing/technical error)
 - 991 – to indicate a Posting status of 'R' (Rejected)
 - 995 – to indicate a Posting status of 'N' (Insufficient funds)
 - 996 – to indicate a Posting status of 'L' (Posting restriction)
 - 997– to indicate a Posting status of 'O' (Optional specific other Reject that the FI wants to specifically identify from other reject reasons for special handling (when applicable))
 - 0 – to indicate any error when no specific error handling is required but routing transaction to Posting Exception
-

3 Usage

For more information on posting logic, including creation and calculation of posting entries, response handling and manual handling related to posting, see the [GPP Business Guide Posting](#).

Appendix A: Glossary of Terms

This table lists the terms used in this guide.

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.
MU MF MI	User Monitor Flow (service) monitor Interface monitor	Monitors are divided into three categories: <ul style="list-style-type: none"> User monitors that track the user action over the UI such as forcing a transaction out of the insufficient funds queue

Prefix	Meaning	Explanation
		<ul style="list-style-type: none"> Workflow monitors – internal monitors in the code that track the transaction processing flow Interface monitors that monitor interface interactions <p>These P_ field attributes hold the monitor statuses strings for every transaction.</p> <p>P_USER_STATE_MONITOR - for User Monitors – MU_ prefix</p> <p>P_SERVICE_STATE_MONITOR - for Flow Monitors – MF_ prefix</p> <p>P_INTERFACE_STATE_MONITOR - for Interface Monitors – MI_ prefix</p> <p>The location of each monitor in the field is defined by LOGICAL_FIELDS.LOCATION. The first location is 0 (zero).</p> <p>Example of a monitor string P_ field value: XXXXXXXXXXXXXXXXXXXXT.</p> <p>The following SQL could be used to check the full list of monitors as per their monitor P_field and their location:</p> <pre>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</pre>

Appendix B: Conventions (Including Format and Presence)

Term	Meaning
Tag name in Bold	Indicate Aggregates
ISO Date Time	<p>Date Time formats defined as ISO Date Time will conform to ISO8601. Representation:</p> <p>ISO Date Time with milliseconds: YYYY-MM-DD [T] {0,1} HH:MM:SS.mmm [Z,-,+] {1,1} HH:MM {0,1}</p> <p>ISO Date Time without milliseconds: YYYY-MM-DD [T] {0,1} HH:MM:SS [Z,-,+] {1,1} HH:MM {0,1}</p> <p>Where:</p> <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> – Z for when time is in UTC time, OR – +HH:MM; OR – or -HH:MM
ISO Date	<p>Date formats defined as ISO Date Time will conform to ISO8601. Representation:</p> <p>YYYY-MM-DD</p> <p>Where:</p> <ul style="list-style-type: none"> • YYYY is the year, • MM is the month (01 - 12) • DD is the day (01 - 31)
ISO Decimal Values	<p>Decimal values defined as ISO Decimal Values will use the ISO format definition using fractionDigits and totalDigits</p> <p>Where:</p> <ul style="list-style-type: none"> • 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	<p>Date formats defined as SWIFT Date will conform to SWIFT representation: YYMMDD</p> <p>Where:</p> <ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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	<p>[character set] {min length, max length}</p> <ul style="list-style-type: none"> • [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

C.1 Posting Request

This is an example of a Posting request for a transaction that includes a credit side FX conversion only (therefore, only credit side FX information is included), and a fee on the debit side. In addition to the standard posting information, two types of customer specific additional attributes were added, one on the posting entry level (ACC_EXT_CODE – a code the account is known by in the external financial institution's system) and another on the request level (ORGNL_EB_SOURCE_SYS_CD – the code of the Electronic Banking system which was the source from which this transaction was originated).

The principal debit posting entry includes the Earmark reference that was provided to GPP via the Balance Inquiry interface (a model in which the financial institution has the earmarking capability).

```
<FndtMsg>
  <Header>
    <contextName>Posting</contextName>
    <contextLocalName>FINANCIAL_POSTING</contextLocalName>
    <credentials>
      <UserID>String</UserID>
      <Role>String</Role>
    </credentials>
    <D_SKIP_PERSIST_ON_ERROR>0</D_SKIP_PERSIST_ON_ERROR>
    <Workflow>String</Workflow>
    <P_MID forCreation="false">11209G4837O30871</P_MID>
    <deliveryTimestamp>2001-12-17T09:30:47-05:00</deliveryTimestamp>
    <P_INIT_SRC_ID>GPP</P_INIT_SRC_ID>
    <EventID>1112223334445556</EventID>
  </Header>
  <Msg>
    <Pmnt>
      ...
    </Pmnt>
    <Extn>
      <ProcessingPersistentInfo>
        <CreditSide>
          <P_CDT_MID_RATE>1.67</P_CDT_MID_RATE>
          <P_CDT_RATE>1.67</P_CDT_RATE>
          <P_CDT_RATE_USAGE_NM>Regular</P_CDT_RATE_USAGE_NM>
          <P_CDT_SPREAD>0.5</P_CDT_SPREAD>
          <P_CDT_CROSS_CONV>0</P_CDT_CROSS_CONV>
        </CreditSide>
      </ProcessingPersistentInfo>
      <MsgPosting>
        <M_POSTING_INFO_LINE>
```

```

<F_POSTING_INFO_POSTING_REQ_ID>1234567890123456</F_POSTING_INFO_POSTING_REQ_ID>
<F_POSTING_INFO_POSTING_NTRY_ID>1000000000000000</F_POSTING_INFO_POSTING_NTRY_ID>
<F_POSTING_INFO_IS_REVERSAL_IND>0</F_POSTING_INFO_IS_REVERSAL_IND>
<F_POSTING_INFO_POSTING_TYPE>MAIN_DR</F_POSTING_INFO_POSTING_TYPE>
<F_POSTING_INFO_OFFICE>XXX</F_POSTING_INFO_OFFICE>
<F_POSTING_INFO_CR_DR_FLAG>DR</F_POSTING_INFO_CR_DR_FLAG>
<F_POSTING_INFO_ACCNO>123456789</F_POSTING_INFO_ACCNO>
<F_POSTING_INFO_ACCT_TP>CUS</F_POSTING_INFO_ACCT_TP>
<F_POSTING_INFO_CURRENCY>GBP</F_POSTING_INFO_CURRENCY>
<F_POSTING_INFO_ACC_OFFICE>XXX</F_POSTING_INFO_ACC_OFFICE>
<F_POSTING_INFO_CUST_ACC_IND>1</F_POSTING_INFO_CUST_ACC_IND>
<F_POSTING_INFO_ACC_TRANS_CD>TRN_DR</F_POSTING_INFO_ACC_TRANS_CD>
<F_POSTING_INFO_BOOKING_ENT>KAPITY</F_POSTING_INFO_BOOKING_ENT>
<F_POSTING_INFO_ACCT_COST_CTR>YYY</F_POSTING_INFO_ACCT_COST_CTR>
<F_POSTING_INFO_AMOUNT>100.0</F_POSTING_INFO_AMOUNT>
<F_POSTING_INFO_BASE_AMOUNT>100.0</F_POSTING_INFO_BASE_AMOUNT>
<F_POSTING_INFO_VALUE_DATE>2010-12-28+02:00</F_POSTING_INFO_VALUE_DATE>
<F_POSTING_INFO_EARMARK_REF>3394777746</F_POSTING_INFO_EARMARK_REF>
<F_POSTING_INFO_FORCE_POST_IND>0</F_POSTING_INFO_FORCE_POST_IND>
<MsgPostingEntryExt>
  <F_POSTING_NTRY_EXT_INFO_FLD_NM>ACC_EXT_CODE</F_POSTING_NTRY_EXT_INFO_FLD_NM>
  <F_POSTING_NTRY_EXT_INFO_FLD_VAL>555</F_POSTING_NTRY_EXT_INFO_FLD_VAL>
</MsgPostingEntryExt>
</M_POSTING_INFO_LINE>
<M_POSTING_INFO_LINE>
  <F_POSTING_INFO_POSTING_REQ_ID>1234567890123456</F_POSTING_INFO_POSTING_REQ_ID>
  <F_POSTING_INFO_POSTING_NTRY_ID>1000000000000001</F_POSTING_INFO_POSTING_NTRY_ID>
  <F_POSTING_INFO_IS_REVERSAL_IND>0</F_POSTING_INFO_IS_REVERSAL_IND>
  <F_POSTING_INFO_POSTING_TYPE>MAIN_CR</F_POSTING_INFO_POSTING_TYPE>
  <F_POSTING_INFO_OFFICE>XXX</F_POSTING_INFO_OFFICE>
  <F_POSTING_INFO_CR_DR_FLAG>CR</F_POSTING_INFO_CR_DR_FLAG>
  <F_POSTING_INFO_ACCNO>26026</F_POSTING_INFO_ACCNO>
  <F_POSTING_INFO_ACCT_TP>VOS</F_POSTING_INFO_ACCT_TP>
  <F_POSTING_INFO_CURRENCY>USD</F_POSTING_INFO_CURRENCY>
  <F_POSTING_INFO_ACC_OFFICE>XXX</F_POSTING_INFO_ACC_OFFICE>
  <F_POSTING_INFO_CUST_ACC_IND>0</F_POSTING_INFO_CUST_ACC_IND>
  <F_POSTING_INFO_ACC_TRANS_CD>TRN_CR</F_POSTING_INFO_ACC_TRANS_CD>
  <F_POSTING_INFO_BOOKING_ENT>KAPITY</F_POSTING_INFO_BOOKING_ENT>
  <F_POSTING_INFO_ACCT_COST_CTR>YYY</F_POSTING_INFO_ACCT_COST_CTR>
  <F_POSTING_INFO_AMOUNT>167.0</F_POSTING_INFO_AMOUNT>
  <F_POSTING_INFO_BASE_AMOUNT>100.0</F_POSTING_INFO_BASE_AMOUNT>
  <F_POSTING_INFO_VALUE_DATE>2010-12-31+02:00</F_POSTING_INFO_VALUE_DATE>
  <F_POSTING_INFO_FORCE_POST_IND>0</F_POSTING_INFO_FORCE_POST_IND>
  <MsgPostingEntryExt>
    <F_POSTING_NTRY_EXT_INFO_FLD_NM>ACC_EXT_CODE</F_POSTING_NTRY_EXT_INFO_FLD_NM>
    <F_POSTING_NTRY_EXT_INFO_FLD_VAL>444</F_POSTING_NTRY_EXT_INFO_FLD_VAL>
  </MsgPostingEntryExt>
</M_POSTING_INFO_LINE>

```



```

    </MsgPostingEntryExt>
  </M_POSTING_INFO_LINE>
  <M_POSTING_INFO_LINE>
    <F_POSTING_INFO_POSTING_REQ_ID>1234567890123456</F_POSTING_INFO_POSTING_REQ_ID>
    <F_POSTING_INFO_POSTING_NTRY_ID>1000000000000002</F_POSTING_INFO_POSTING_NTRY_ID>
    <F_POSTING_INFO_IS_REVERSAL_IND>0</F_POSTING_INFO_IS_REVERSAL_IND>
    <F_POSTING_INFO_POSTING_TYPE>FEE_DR</F_POSTING_INFO_POSTING_TYPE>
    <F_POSTING_INFO_OFFICE>XXX</F_POSTING_INFO_OFFICE>
    <F_POSTING_INFO_CR_DR_FLAG>DR</F_POSTING_INFO_CR_DR_FLAG>
    <F_POSTING_INFO_ACCNO>26026</F_POSTING_INFO_ACCNO>
    <F_POSTING_INFO_ACCT_TP>Customer Fee</F_POSTING_INFO_ACCT_TP>
    <F_POSTING_INFO_CURRENCY>GBP</F_POSTING_INFO_CURRENCY>
    <F_POSTING_INFO_ACC_OFFICE>XXX</F_POSTING_INFO_ACC_OFFICE>
    <F_POSTING_INFO_CUST_ACC_IND>1</F_POSTING_INFO_CUST_ACC_IND>
    <F_POSTING_INFO_ACC_TRANS_CD>TRN_FDR</F_POSTING_INFO_ACC_TRANS_CD>
    <F_POSTING_INFO_BOOKING_ENT>KAPITY</F_POSTING_INFO_BOOKING_ENT>
    <F_POSTING_INFO_ACCT_COST_CTR>YYY</F_POSTING_INFO_ACCT_COST_CTR>
    <F_POSTING_INFO_AMOUNT>1.0</F_POSTING_INFO_AMOUNT>
    <F_POSTING_INFO_BASE_AMOUNT>1.0</F_POSTING_INFO_BASE_AMOUNT>
    <F_POSTING_INFO_VALUE_DATE>2010-12-28+02:00</F_POSTING_INFO_VALUE_DATE>
    <F_POSTING_INFO_FEE_TP_CTG>PROCESSING</F_POSTING_INFO_FEE_TP_CTG>
    <F_POSTING_INFO_FORCE_POST_IND>0</F_POSTING_INFO_FORCE_POST_IND>
    <MsgPostingEntryExt>
      <F_POSTING_NTRY_EXT_INFO_FLD_NM>ACC_EXT_CODE</F_POSTING_NTRY_EXT_INFO_FLD_NM>
      <F_POSTING_NTRY_EXT_INFO_FLD_VAL>555</F_POSTING_NTRY_EXT_INFO_FLD_VAL>
    </MsgPostingEntryExt>
  </M_POSTING_INFO_LINE>
  <M_POSTING_INFO_LINE>
    <F_POSTING_INFO_POSTING_REQ_ID>1234567890123456</F_POSTING_INFO_POSTING_REQ_ID>
    <F_POSTING_INFO_POSTING_NTRY_ID>1000000000000003</F_POSTING_INFO_POSTING_NTRY_ID>
    <F_POSTING_INFO_IS_REVERSAL_IND>0</F_POSTING_INFO_IS_REVERSAL_IND>
    <F_POSTING_INFO_POSTING_TYPE>PNL_DR</F_POSTING_INFO_POSTING_TYPE>
    <F_POSTING_INFO_OFFICE>XXX</F_POSTING_INFO_OFFICE>
    <F_POSTING_INFO_CR_DR_FLAG>CR</F_POSTING_INFO_CR_DR_FLAG>
    <F_POSTING_INFO_ACCNO>0000030229624462</F_POSTING_INFO_ACCNO>
    <F_POSTING_INFO_ACCT_TP>Fee P&L</F_POSTING_INFO_ACCT_TP>
    <F_POSTING_INFO_CURRENCY>GBP</F_POSTING_INFO_CURRENCY>
    <F_POSTING_INFO_ACC_OFFICE>XXX</F_POSTING_INFO_ACC_OFFICE>
    <F_POSTING_INFO_CUST_ACC_IND>0</F_POSTING_INFO_CUST_ACC_IND>
    <F_POSTING_INFO_ACC_TRANS_CD>TRN_FCR</F_POSTING_INFO_ACC_TRANS_CD>
    <F_POSTING_INFO_BOOKING_ENT>KAPITY</F_POSTING_INFO_BOOKING_ENT>
    <F_POSTING_INFO_ACCT_COST_CTR>YYY</F_POSTING_INFO_ACCT_COST_CTR>
    <F_POSTING_INFO_AMOUNT>1.0</F_POSTING_INFO_AMOUNT>
    <F_POSTING_INFO_BASE_AMOUNT>1.0</F_POSTING_INFO_BASE_AMOUNT>
    <F_POSTING_INFO_VALUE_DATE>2010-12-28+02:00</F_POSTING_INFO_VALUE_DATE>
    <F_POSTING_INFO_FEE_TP_CTG>PROCESSING</F_POSTING_INFO_FEE_TP_CTG>
  </M_POSTING_INFO_LINE>

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```

        <F_POSTING_INFO_FORCE_POST_IND>0</F_POSTING_INFO_FORCE_POST_IND>
        <MsgPostingEntryExt>
            <F_POSTING_NTRY_EXT_INFO_FLD_NM>ACC_EXT_CODE</F_POSTING_NTRY_EXT_INFO_FLD_NM>
            <F_POSTING_NTRY_EXT_INFO_FLD_VAL>888</F_POSTING_NTRY_EXT_INFO_FLD_VAL>
        </MsgPostingEntryExt>
    </M_POSTING_INFO_LINE>
    <MsgPostingReqExt>
        <F_POSTING_REQ_EXT_INFO_FLD_NM>ORGNL_EB_SOURCE_SYS_CD</F_POSTING_REQ_EXT_INFO_FLD_NM>
        <F_POSTING_REQ_EXT_INFO_FLD_VAL>ZEBRA</F_POSTING_REQ_EXT_INFO_FLD_VAL>
    </MsgPostingReqExt>
</MsgPosting>
<Monitors>
    <UserMonitors>
        <MU_BIWAITQ_ACTION>X</MU_BIWAITQ_ACTION>
        <MU_NSF_FORCE_STS>X</MU_NSF_FORCE_STS>
        <MU_STOP_FLAGS_OVERRIDE_STS>X</MU_STOP_FLAGS_OVERRIDE_STS>
    </UserMonitors>
    <ServiceMonitors>
        <MF_EARMARK>X</MF_EARMARK>
        <MF_PDM>X</MF_PDM>
        <MF_POSTING_STS>X</MF_POSTING_STS>
    </ServiceMonitors>
</Monitors>

</Extn>
</Msg>
</FndtMsg>

```

C.2 Successful Posting Response

This is an example of a successful Posting response.

```
<FndtMsg>
  <Header>
    <contextName>Posting</contextName>
    <contextLocalName>FINANCIAL_POSTING</contextLocalName>
    <credentials>
      <UserID>String</UserID>
      <Role>String</Role>
    </credentials>
    <Workflow>String</Workflow>
    <P_MID forCreation="false">11209G4837O30871</P_MID>
    <deliveryTimestamp>2001-12-17T09:30:57-05:00</deliveryTimestamp>
    <P_INIT_SRC_ID>HOST_XXX</P_INIT_SRC_ID>
  </Header>
  <Msg>
    <Pmnt/>
  </Msg>
  <ResponseDetails>
    <returnCode>1</returnCode>
    <description>Posting success</description>
  </ResponseDetails>
</FndtMsg>
```

C.3 Failed Posting Response

This is an example of a failed Posting response. Response returned to GPP with a Stop Flag on debiting the debit customer, due to the customer being Dormant.

```
<FndtMsg>
  <Header>
    <contextName>Posting</contextName>
    <contextLocalName>FINANCIAL_POSTING</contextLocalName>
    <credentials>
      <UserID>String</UserID>
      <Role>String</Role>
    </credentials>
    <Workflow>String</Workflow>
    <P_MID forCreation="false">11209G4837O30871</P_MID>
    <deliveryTimestamp>2001-12-17T09:30:57-05:00</deliveryTimestamp>
    <P_INIT_SRC_ID>HOST_XXX</P_INIT_SRC_ID>
  </Header>
  <Msg>
    <Pmnt/>
    <Extn>
      <ReferenceData>
        <M_DBT_CUST_PROFILE>
          <F_DBT_CUST_STOPFLAGFROM>1</F_DBT_CUST_STOPFLAGFROM>
          <F_DBT_CUST_FROMREASON>Dormant</F_DBT_CUST_FROMREASON>
          <F_DBT_CUST_STOPFLAGTO>1</F_DBT_CUST_STOPFLAGTO>
          <F_DBT_CUST_TOREASON>Dormant</F_DBT_CUST_TOREASON>
        </M_DBT_CUST_PROFILE>
      </ReferenceData>
    </Extn>
  </Msg>
  <ResponseDetails>
    <returnCode>996</returnCode>
    <description>Posting Restriction</description>
  </ResponseDetails>
</FndtMsg>
```