

Fusion Global PAYplus

N-Messages

Business Guide

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Version Control

Version	Date	Summary of Changes
1.0		Document Created
2.0	November 2015	Updated for Rebranding
3.0	December 2015	Added System Rule Cancellation Request Validation
3.1	September 2017	Added MT 199

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1 Introduction

This business guide provides a functional overview of Fusion Global PAYplus (GPP) support for the generation, receipt and processing of N-messages.

1.1 Target Audience

This business guide is intended for business analysts, product managers and other personnel who are familiar with generic GPP processing flows and concepts and need to understand the business of N-Message processing.

1.2 Overview

N-messages (referred to also as MTn9x messages) are non-accounting SWIFT messages. Their purpose is to send and receive exception and investigation information for manual handling. These messages are always related to an original message/payment and therefore should be matched to the original message they are related to.

Category N of the SWIFT Standards Message Types are common group messages.

This is a description of the terms used for the processing of the message types support by GPP:

 Mfamily: An internal table within the GPP database used to store relationships between related messages such as an incoming 192 that is matched with the original outgoing 103.

Note: Mfamily is viewed in the GPP user interface in the Message/Links tab.

- Service Message: For the purposes of this document, a service message is a SWIFT MTn92, MTn95, MTn96, or MTn99 message type.
- SWIFT MT191/MT291 are described in the GPP Business Guide Fees Core Processing.

1.3 Message Types

1.3.1 List of Supported Message Types

This table includes the Category N message types that are supported in GPP. For a detailed description of the SWIFT messages, refer to the SWIFT Messages document.

Message Type	MT Name	Description
MTn91	Request for Payment of Charges, Interest and Other Expenses	Requests payment of charges, interest or other expenses.
MTn92	Request for Cancellation	Requests the Receiver to consider cancellation of the message identified in the request. For more information, see <u>1.3.2MTn92 - Request for Cancellation</u> .
MTn95	Queries	Requests information relating to a previous message or amendment to a previous message. For more information, see MTn95 - Query.
MTn96	Answers	Responds to an MTn95 Queries or MTn92 Request for Cancellation or other messages where no specific

Message Type	MT Name	Description
		message type has been provided for the response. For more information, see <u>MTn96 - Answer</u> .
MTn99	Free Format Message	Contains information for which no other message type has been defined. For more information, see MTn99 - Free Format.

1.3.2 MTn92 - Request for Cancellation

The MTn92 is a request for cancellation message:

- It is sent by a financial institution to request a second financial institution to consider cancellation of the SWIFT message identified in the request.
- If the Receiver of the request for cancellation has already acted on the message for which cancellation is requested, the MTn92 asks for a re-transfer, i.e., reversal, with the beneficiary's consent.
- An MTn92 may be sent to cancel one single transaction of a multiple message (101/201).
- The MTn92 always requires a response. The response must be by an MTn96 Answers message.

The MTn92 Message includes the following fields:

Tag Name	Field Name	Description	Mandatory
20	Transaction Reference Number	Specifies the reference assigned by the Sender to unambiguously identify the message.	M
21	Related Reference	Contains the reference of the original transaction to which the charge(s), interest or other adjustment(s) in this message apply, for example, field 20 Transaction Reference Number of the related original message.	M
11S	MT and Date of the Original Message	Specifies the message type number of the message which contained the transaction to be cancelled and the date on which this message was sent.	М
79	Narrative Description of the Original Message	Contains a narrative description of the original message, or single transaction within a multiple message, which will enable the Receiver to positively identify the message or transaction to be cancelled.	0
		Copy of at least the Mandatory Fields of the Original Message. These fields should not be part of the copy of the original payment: 77F, 77G, 77S or 77T.	0

Tag Name	Field Name	Description	Mandatory
		User should put the cancellation request for fraudulent payment starting with /FRAD/ code word in Field 79. In this case, a copy of at least the mandatory fields of the original message must be included.	

1.3.3 MTn95 - Query

The MTn95 is a Query message:

- It is sent by a financial institution to another financial institution.
- It is used to request information or clarification relating to a previous SWIFT or non-SWIFT message or to one or more transactions contained therein.

The MTn95 Message includes the following fields:

Tag Name	Field Name	Description	Mandatory
20	Transaction Reference Number	Specifies the reference assigned by the Sender to unambiguously identify the message.	М
21	Related Reference	Contains the reference of the original transaction to which the charge(s), interest or other adjustment(s) in this message apply, for example, field 20 Transaction Reference Number of the related original message.	M
75	Queries		М
11a	MT and Date of the Original Message options R/S	Contains a narrative description of the original message, or single transaction within a multiple message, which will enable the Receiver to positively identify the message or transaction to be cancelled.	0
77A	Narrative Description of the Message to Which the Query Relates		0
		Copy of at least the Mandatory Fields of the Original Message. These fields should not be part of the copy of the original payment copied: 77F, 77G, 77S or 77T.	0

1.3.4 MTn96 - Answer

The MTn96 is an Answer message:

- It is sent by one financial institution to another financial institution.
- It is used to respond to an MTn95 Queries or MTn92 Request for Cancellation and other messages where no specific message type has been provided for the response.
- The generated answer is linked to the cancellation request/query.
- The generation of MTn96 Answer depends on the generate transaction selection rule as part of the generate response service.

The MTn96 Message includes the following fields:

Tag Name	Field Name	Description	Mandatory
20	Transaction Reference Number	Specifies the reference assigned by the Sender to unambiguously identify the message.	М
21	Related Reference	Contains the reference of the original transaction to which the charge(s), interest or other adjustment(s) in this message apply, for example, field 20 Transaction Reference Number of the related original message.	M
76	Answer	Contains the actual answer.	М
77A	Narrative	Contains the query in narrative form.	0
11a	MT and Date of the Original Message options R/S	Contains a narrative description of the original message, or single transaction within a multiple message, which will enable the Receiver to positively identify the message or transaction to be cancelled.	0
79	Narrative Description of the Message to Which the Query Relates		0
		Copy of at least the Mandatory Fields of the Original Message. These fields should not be part of the copy of the original payment: 77F, 77G, 77S or 77T	0

1.3.5 MTn99 - Free Format

The MTn99 is a free format message:

 It is used by financial institutions to send or receive information for which another message type is not applicable.

The MTn99 Message includes the following fields:

Tag Name	Field Name	Description	Mandatory
20	Transaction Reference Number	Specifies the reference assigned by the Sender to unambiguously identify the message.	М
21	Related Reference	Contains the reference of the original transaction to which the charge(s), interest or other adjustment(s) in this message apply, for example, field 20 Transaction Reference Number of the related original message.	0
79	Narrative	Contains the free format message.	М

1.3.5.1 MT199

MT199 is sent by the intermediary and instructed gpi agents to the SWIFT tracker, which enables SWIFT to display real-time tracking of their payments and is used for notification purposes.

MT199 has a set format that includes the payment amount, status, and any FX or deductions that were done on the payment.

2 Processing

2.1 Incoming N-Messages

The Incoming N-messages process is comprised of the following services:

- Payment Classification
- Matching
- Handle Cancellation Request
- Generate Transaction
- Handle Query and Answer

2.1.1 Payment Classification

N-messages are classified as Non-Accounting messages (payment messages class as NAC).

2.1.2 Matching Service

Upon a receipt of an MTn9x the service tries to match it to an outgoing payment or to a related message. The Matching service is comprised of the following steps:

- Evaluate MTn9x Matching Rules
- · Perform Matching Algorithm

The service receives the MTn9x message information and returns the following:

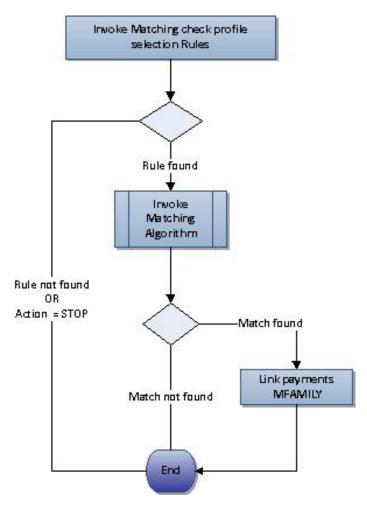
- Service Monitor (Match Status)
 - M indicates matched. The message is routed to Service Wait queue
 - N indicates no match found. The message is routed to Service Release queue
 - D indicates duplicate. The message is routed to Rejected queue
 - W indicates waiting. The message is routed to Service Release queue
- If a match is found:
 - MID is provided
 - GPP links MTn9X to original message according to relevant relation type

2.1.2.1 MTn9x Matching Logic

Incoming N- Message	Candidate for Matching	Matching Criteria
Incoming MTn95 (Query)	Incoming/Outgoing Payment (MT103/202)	For Outgoing Payment: • F21 of MTn95 = F20 of original Payment Message AND Receiver of MTn95 = Sender of Payment For Incoming Payment: • F21 of MTn95 = F20 of original Payment Message AND Sender of MTn95 = Sender of Payment
Incoming MTn92	Incoming Payment (MT103/202)	• F21 of MTn92 = F20 of Payment Message AND Sender of MTn92 = Sender of Payment Message

Incoming N- Message	Candidate for Matching	Matching Criteria
(Cancellation Request)		
Incoming MTn96 (Answer)	Outgoing MTn95/MTn92	For Matching with MTn95: • F21 of MTn96 = F20 of original MTn95 AND Sender of MTn96 = Receiver of MTn95 For Matching with MTn92: • F21 of MTn96 = F20 of original MTn92 AND Sender of MTn96 = Receiver of MTn92
Incoming MTn99 (Free Format)	Incoming/Outgoing Payment (MT103/202)	For Outgoing Payment: • F21 of MTn99 = F20 of original Payment Message AND Sender of MTn99 = Receiver of Paymen For Incoming Payment: • F21 of MTn99 = F20 of original Payment Message AND Sender of MTn99 = Sender of Payment

2.1.2.2 MTn9x Matching Workflow



Once a matching rule has been found the service uses the information provided in the MTn9x Matching Check Profile (the action of the rule) and invokes the relevant MTn9x matching algorithm:

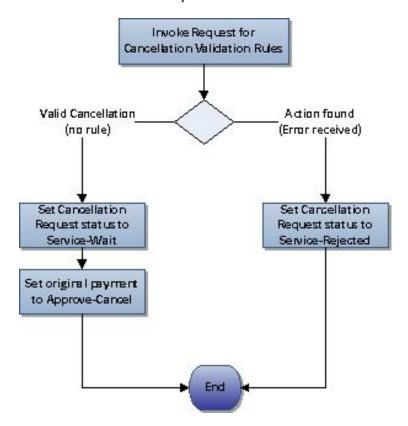
- If a matching payment is found the service links the payments and returns a response with the MID of the matched message.
 - If the MTn9x is a cancellation request message (MTn92), GPP invokes the Handle Cancellation request service
- Unmatched MTn9x is routed to the Service Wait Queue.
- MTn99 is routed to the Service Release Queue if it is received without field 21.
- Messages in either Service Wait or Service Release queues, await user action.

2.1.3 Handle Cancellation Request Service

The service receives the payment information of both the Cancellation request and the matched Original Payment information and returns the following:

- Service Monitor
 - F Fail
 - S Success
- Error Code (Rule Action)
- Status

2.1.3.1 Cancellation Request Workflow



The service evaluates the Cancellation Request Validation Rules.

- If a matching rule is found:
 - The service returns a response with the error code
 - Original payment Status remains the same
 - Cancellation request is routed to Service-Rejected queue
- If no matching rule is found:
 - Cancellation request is routed to Service-Wait queue
 - Original payment is routed to Approve-Cancel queue

2.1.3.2 Approve/Refuse Cancellation Request

In the Approve-Cancel queue the user can choose the action to be performed on the payment matched to a Cancellation Request.

- Approve Cancellation Request: If the user approves the Cancellation Request:
 - The matched Original Payment is cancelled (invoking reverse accounting)
 - MTn92 is routed to Service-Complete queue
- Refuse Cancellation Request: If the user refuses the Cancellation Request:
 - The matched Original Payment is routed to its previous status
 - MTn92 is routed to Service-Rejected queue

2.1.3.3 Generate Answer for MTn92

The response generation is based on the status in the received cancellation request, whether it was approved or refused by the user, see 2.2.2 <u>Generate Transaction Service</u>.

The answer is routed to Service-Complete queue.

2.2 Outgoing N-Messages

The N-messages can be generated from GPP:

- Request for Cancellation MTn92
- Queries MTn95
- Answer MTn96
- Free Format MTn99

For each action the relevant page is opened according to the relevant message type fields.

Outgoing N-message flow is comprised of the following services:

- Generate Transaction
- Format and Send Out

2.2.1 Generate Outgoing N-Message

2.2.1.1 Cancellation Request Generation

When an outgoing payment (MT202/MT103) is in the Complete queue, the user has an option to manually generate a cancellation request (MTn92) on the payment by selecting Cancel Request. The Cancellation Request page is displayed with the information generated using the mapping

manipulation rule (for more information, see <u>ManualRFC</u>. The user may edit the message before submitting and sending it out.

2.2.1.2 Queries Request Generation

When the user selects Queries the generated response service is invoked and the Queries page is displayed with information generated using the mapping manipulation rule. This button can be selected from different queues, for example, Final queues (such as Complete), Exception queues (such as Possible Duplication), Manual intervention queues (such as Repair).

2.2.1.3 Answer Request Generation

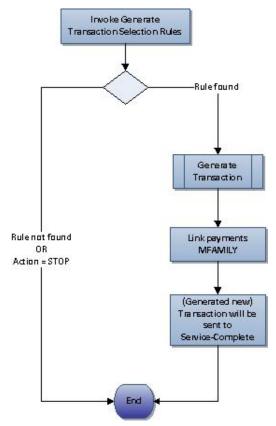
When an Incoming MTn92/n95 is not matched automatically to the original payment, an MTn96 can be created manually from the Service Queue, by selecting Answers.

2.2.1.4 Free Format Generation

An MTn99 can be created manually by selecting Free Format. This button can be selected from different queues, for example, Final queues (such as Complete), Manual intervention queues (such as Repair).

2.2.2 Generate Transaction Service

2.2.2.1 Generate Transaction Workflow



The service invokes the Generate Transaction Selection Rules.

- If a matching rule is found the service uses the information provided in the Generate Transaction Profile (the action of the rule) and generates the new message accordingly. Both messages are linked using the relation type defined in the selected Generate Transaction profile.
- If no matching rule is found or action is STOP no transaction is generated.

2.2.2.2 Format and Send-Out

Once the N-message has been submitted the Format and Send Out service is invoked.

- Answer message is submitted, the message is routed to the Service Complete queue.
- Query message is generated, the message is routed to the Service Wait queue.
- Free format message is generated, the message is routed to the Service Complete queue.
- Cancellation Request is generated, the message is routed to the Service Wait queue.

3 N-Messages Manual Handling

In the Service Wait queue, Queries and Answers that are not matched, can be released by selecting Release. The released Query or Answer is routed to the Service Complete queue.

4 System Configuration and Business Setup

GPP is configured with generic system rules and reference data that enable N-message functionality. The rules can be configured according to specific customer requirements.

4.1 System Profiles

4.1.1 Generate Transaction Profile

GPP uses the Generate Transaction profiles to determine the type of outgoing message to generate in response to an incoming message. The profile also defines the relationship between the original payment message and the system generated message, which enables GPP to link the two.

4.1.1.1 ApproveRFCAnsr_196

- Name: ApproveRFCAnsr_196
- Description: Responds to a MT 192 Request for incoming cancellation or other messages where no specific message type has been provided for the response
- Relation Type: Incoming Cancellation Request^Answer
- Message Type: SWIFT_196Mapping rule: <u>ApprovedRFC192</u>

4.1.1.2 ApproveRFCAnsr_296

- Name: ApproveRFCAnsr_296
- Description: Responds to a MT 292 Request for incoming cancellation where no specific message type has been provided for the response
- Relation Type: Incoming Cancellation Request^Answer
- Message Type: SWIFT_296
- Mapping rule: ApprovedRFC292

4.1.1.3 BankAnswer

- Name: BankAnswer
- Description: Bank Answer request generation
- Relation Type: Bank Answer request generation
- Message Type: SWIFT_296
- Mapping rule: <u>ManualAnswer</u>

4.1.1.4 CustAnswer

- Name: CustAnswer
- Description: Customer Answer request generation
- Relation Type: Related Message^Answer
- Message Type: SWIFT_196
- Mapping rule: <u>ManualAnswer</u>

4.1.1.5 DuplicateRFCAnsr_196

- Name: DuplicateRFCAnsr_196

- Description: Responds to a MT 192 Request for incoming cancellation or other messages where no specific message type has been provided for the response
- Relation Type: Incoming Cancellation Request^Answer

Message Type: SWIFT_196Mapping rule: <u>DuplicateRFC192</u>

4.1.1.6 DuplicateRFCAnsr 296

Name: DuplicateRFCAnsr_296

- Description: Responds to a MT 292 Request for incoming cancellation or other messages where no specific message type has been provided for the response
- Relation Type: Incoming Cancellation Request^Answer

Message Type: SWIFT_296

Mapping rule: <u>DuplicateRFC292</u>

4.1.1.7 RefusedRFCAnsr_196

Name: RefusedRFCAnsr_196

- Description: Responds to a MT 192 Request for incoming cancellation or other messages where no specific message type has been provided for the response
- Relation Type: Incoming Cancellation Request^Answer

Message Type: SWIFT_196

- Mapping rule: RefusedRFC192

4.1.1.8 RefusedRFCAnsr_296

Name: RefusedRFCAnsr_296

- Description: Responds to a MT 292 Request for incoming cancellation or other messages where no specific message type has been provided for the response
- Relation Type: Incoming Cancellation Request^Answer

Message Type: SWIFT_296

Mapping rule: <u>RefusedRFC292</u>

4.1.1.9 WaitingRFCAnsr_196

Name: WaitingRFCAnsr_196

Description: Response to a MT 192 Request for incoming cancellation

Relation Type: Incoming Cancellation Request^Answer

Message Type: SWIFT_196Mapping rule: <u>WaitingRFC192</u>

4.1.1.10 WaitingRFCAnsr_296

Name: WaitingRFCAnsr_296

- Description: Response to a MT 292 Request for incoming cancellation

Relation Type: Incoming Cancellation Request^Answer

Message Type: SWIFT_296Mapping rule: WaitingRFC292

4.1.1.11 Bank Cancellation Request (Out)

- Name: BankCancelRequest

Description: Bank outgoing cancellation Request

Relation Type: Original Payment\(^O\)outgoing Cancellation Request

Message Type: SWIFT_292Mapping rule: ManualRFC

4.1.1.12 Bank Free Format (Out)

- Name: BankFreeFormt

- Description: Bank Free Format generation

- Relation Type: Original Payment^Free Format

Message Type: SWIFT_299

- Mapping rule:

4.1.1.13 Bank Query (Out)

Name: BankQuery

Description: Bank Query request generation

Relation Type: Original Payment^Query

Message Type: SWIFT_295

- Mapping rule:

4.1.1.14 Customer Cancellation Request (Out)

- Name: CustCancelRequest

- Description: Customer outgoing cancellation Request

- Relation Type: Original Payment/Outgoing Cancellation Request

Message Type: SWIFT_192Mapping rule: ManualRFC

4.1.1.15 Customer Free Format (Out)

Name: CustFreeFormt

Description: Customer Free Format generation

Relation Type: Original Payment^Free Format

- Message Type: SWIFT_199

- Mapping rule:

4.1.1.16 Customer Query (Out)

Name: CustQuery

Description: Customer Query request generation

Relation Type: Original Payment^Query

Message Type: SWIFT_195

- Mapping rule:

4.1.2 Matching Check Profile

GPP uses Matching Check profiles to specify the matching algorithm and index used to match related payment messages.

4.1.2.1 AnswerToRelMsg196

Name: AnswerToRelMsg196

Description: Answer matching to Related Message

Relation type: Answer^Related Message

- Automatic Matching Algorithm: ***^154^N196Match

4.1.2.2 AnswerToRelMsg296

Name: AnswerToRelMsg296

- Description: Answer matching to Related Message

Relation type: Answer^Related Message

- Automatic Matching Algorithm: ***^154^N296Match

4.1.2.3 Incoming Free Format Msg ToOrig103

- Name: IncomingFFMsgToOrig103

Description: Query matching to Original Payment (Swift 103)

- Relation type: Incoming Free Format/Original Payment

- Automatic Matching Algorithm: ***^154^N199Match

4.1.2.4 Incoming Free Format Msg ToOrig202

- Name: IncomingFFMsgToOrig202

Description: Query matching to Original Payment (Swift_202)

Relation type: Incoming Free Format\Original Payment

- Automatic Matching Algorithm: ***^154^N299Match

4.1.2.5 RFCToOrig103

Name: RFCToOrig103

Description: Cancellation Request matching to Original Payment (Swift_103)

Relation type: Incoming Cancellation Request^Original Payment

Automatic Matching Algorithm: ***^154^N192Match

4.1.2.6 RFCToOrig202

Name: RFCToOrig202

Description: Cancellation Request matching to Original Payment (Swift_202)

- Relation type: Incoming Cancellation Request^Original Payment

- Automatic Matching Algorithm: ***^154^N292Match

4.1.2.7 QueryToOrig103

Name: QueryToOrig103

Description: Query matching to Original Payment (Swift_103)

- Relation type: Query^Original Payment

- Automatic Matching Algorithm: ***^154^N195Match

4.1.2.8 QueryToOrig202

- Name: QueryToOrig202

Description: Query matching to Original Payment (Swift_202)

- Relation type: Query^Original Payment

- Automatic Matching Algorithm: ***^154^N295Match

4.2 System Rules

These system rules are available in GPP.

4.2.1 Matching Check Profile Selection (Rule Type 152)

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
N196MATCH	Answer^Related Message	N196MATCH	*** Office		[P_MSG_TYPE]	=	SWIFT_196	AnswerToRelMsg196
N296MATCH	Answer^Related Message	N296MATCH	*** Office		[P_MSG_TYPE]	=	SWIFT_296	AnswerToRelMsg296
N192MATCH	Incoming Cancellation Request^Original Payment	N192Match	*** Office		[P_MSG_TYPE]	=	SWIFT_192	RFCToOrig103
N292MATCH	Incoming Cancellation Request^Original Payment	N292Match	*** Office		[P_MSG_TYPE]	=	SWIFT_292	RFCToOrig202
N195MATCH	Query^Original Payment	N195MATCH	*** Office		[P_MSG_TYPE]	=	SWIFT_195	QueryToOrig103
N295MATCH	Query^Original Payment	N295MATCH	*** Office		[P_MSG_TYPE]	=	SWIFT_295	QueryToOrig202
N199MATCH	Incoming Free Format^Original Payment	N199MATCH	*** Office		[P_MSG_TYPE]	=	SWIFT_199	Incoming Free Format Msg ToOrig103

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
N299MATCH	Incoming Free Format^Original Payment	N299MATCH	*** Office		[P_MSG_TYPE]	=		Incoming Free Format Msg ToOrig202

4.2.2 Automatic Matching Algorithm (Rule Type 154)

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
N196Match		N196 Match	*** Office		([P_MSG_TYPE]	=	SWIFT_195	STOP
	Message	with N195, MT192,		AND	[P_INSTR_ID	=	[:X_END_TO_END_ID]	
				AND	[X_INSTD_AGT_ BIC_2AND]	=	[:OC_INSTG_AGT_BIC])	
				OR	([P_MSG_TYPE]	=	SWIFT_192	
				AND	[P_INSTR_ID	=	[:X_END_TO_END_ID]	
				AND	[X_INSTD_AGT_ BIC_2AND]	=	[:OC_INSTG_AGT_BIC])	
N296Match	Answer^Related	N296 Match	*** Office		([P_MSG_TYPE]	=	SWIFT_295	STOP
	Message	with N295, MT292		AND	[P_INSTR_ID	=	[:X_END_TO_END_ID]	
			AND	[X_INSTD_AGT_ BIC_2AND]	=	[:OC_INSTG_AGT_BIC])		
				OR	([P_MSG_TYPE]	=	SWIFT_292	

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
			AND	[P_INSTR_ID	=	[:X_END_TO_END_ID]		
				AND	[X_INSTD_AGT_ BIC_2AND]	=	[:OC_INSTG_AGT_BI C])	
N192Match	Incoming Cancellation	N192 Match To MT103	*** Office		[P_MSG_TYPE]	=	SWIFT_103	STOP
	Request^Original Payment	10 1011 103		AND	[OC_INSTG_AG T_BIC]	=	[:OC_INSTG_AGT_BI C]	
				AND	[OX_INSTR_ID]	=	[:OX_END_TO_END_I D]	
N292Match	Cancellation	N292 Match To MT202,MT20 0 and MT210	*** Office		[OX_INSTR_ID]	=	[:X_END_TO_END_ID]	STOP
	Request^Original Payment			AND	[P_MSG_TYPE]	In	SWIFT_202,SWIFT_2 10,SWIFT_200	
				AND	[OC_INSTG_AG T_BIC]	=	[:OC_INSTG_AGT_BI C]	
N195Match	Query/Original	N195 Match	*** Office		[P_MSG_TYPE]	=	SWIFT_103	STOP
	Payment	To MT103		AND	([P_INSTR_ID]	=	[:X_END_TO_END_ID]	
				AND	[X_INSTD_AGT_ BIC_2AND]	=	[:OC_INSTG_AGT_BIC])	
				Or	([OC_INSTG_AG T_BIC]	=	[:OC_INSTG_AGT_BI C]	
				AND	[OX_INSTR_ID]	=	[:X_END_TO_END_ID])	

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
N295Match	Query^Original Payment	N295 Match To MT202,	*** Office		[P_MSG_TYPE]	In	SWIFT_202, SWIFT_200	STOP
		MT200		AND	([P_INSTR_ID]	=	[:X_END_TO_END_ID]	
				AND	[X_INSTD_AGT_ BIC_2AND]	=	[:OC_INSTG_AGT_BI C])	
				Or	([OC_INSTG_AG T_BIC]	=	[:OC_INSTG_AGT_BI C]	
				AND	[OX_INSTR_ID]	=	[:X_END_TO_END_ID])	
N199Match	N199Match Incoming Free Format^Original	N199 Match To MT103	*** Office		[P_MSG_TYPE]	=	SWIFT_103	STOP
	Payment			AND	(([P_INSTR_ID]	=	[:X_END_TO_END_ID]	
				AND	[X_INSTD_AGT_ BIC_2AND]	=	[:OC_INSTG_AGT_BI C])	
				Or	([OC_INSTG_AG T_BIC]	=	[:OC_INSTG_AGT_BI C]	
				AND	[OX_INSTR_ID]	=	[:X_END_TO_END_ID]))	
N299Match		N299 Match To MT202,	*** Office		[P_MSG_TYPE]	In	SWIFT_202, SWIFT_200	STOP
		IVI I ZUU		AND	([P_INSTR_ID]	=	[:X_END_TO_END_ID]	

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
				AND	[X_INSTD_AGT_ BIC_2AND]	=	[:OC_INSTG_AGT_BIC])	
				Or	([OC_INSTG_AG T_BIC]	=	[:OC_INSTG_AGT_BIC]	
				AND	[OX_INSTR_ID]	=	[:X_END_TO_END_ID])	

4.2.3 Generate Transaction Selection (Rule Type 150) for Generating MTn96

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
RFCApprov	Incoming	Answer generation for	***		[P_MSG_STS]	=	COMPLETE	***^ApproveRFCA
ed_192	Cancellation Request^Ans wer	approved request for incoming cancellation		AND	[MF_CANCEL_MAT CH_STS]	=	М	nsr_196
				AND	[P_MSG_TYPE]	=	SWIFT_192	
RFCApprov		Answer generation for	***		[P_MSG_STS]	=	COMPLETE	***^ApproveRFCA
ed_292	Cancellation Request^Ans wer	approved bank request for incoming cancellation		AND	[MF_CANCEL_MAT CH_STS]	=	М	nsr_296
				AND	[P_MSG_TYPE]	=	SWIFT_292	
DuplicateR FC_292		***		[MF_CANCEL_MAT CH_STS]	=	D	***^DuplicateRFC Ansr_296	
		for incoming cancellation		AND	[P_MSG_TYPE]	=	SWIFT_292	

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
DuplicateR FC_192	C_192 Cancellation duplic	Answer generation for duplicated bank request for incoming cancellation	***		[MF_CANCEL_MAT CH_STS]	=	D	***^DuplicateRFC Ansr_196
		for incoming cancellation		AND	[P_MSG_TYPE]	=	SWIFT_192	
RFCRefuse	Incoming Cancellation	Answer generation for	***		[D_BUTTON_ID]	=	RefuseCancel	***^RefusedRFCA
d_192	Request^Ans wer	refused customer request for incoming cancellation		AND	[MF_CANCEL_MAT CH_STS]	=	M	nsr_196
				AND	[P_MSG_TYPE]	=	SWIFT_192	
		Answer generation for refused bank request for incoming cancellation	***		[D_BUTTON_ID]	=	RefuseCancel	***^RefusedRFCA nsr_296
d_292	Cancellation Request^Ans wer			AND	[MF_CANCEL_MAT CH_STS]	=	М	1101_200
				AND	[P_MSG_TYPE]	=	SWIFT_292	
WaitingRFC _292	Incoming Cancellation Request^Ans	Response to a MT 292 Request for Cancellation	***		[MF_CANCEL_MAT CH_STS]	=	W	***^WaitingRFCAn swer_296
	wer				[P_MSG_TYPE]	=	SWIFT_292	
WaitingRFC _192	Cancellation	· · · · · · · · · · · · · · · · · · ·	***		[MF_CANCEL_MAT CH_STS]	=	W	***^WaitingRFCAn swer_196
	Request^Ans wer				[P_MSG_TYPE]	=	SWIFT_192	
CustN96	Message^Ans	Manual answer	***		[P_MSG_TYPE]	In	SWIFT_192, SWIFT_195	***^CustAnswer
	wer			AND	BUTTON_ID	=	Answers	

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
BankN96	Related Message^Ans wer	Manual answer generation	***		[P_MSG_TYPE]	In	SWIFT_292, SWIFT_295	***^CustAnswer
				AND	BUTTON_ID	=	Answers	
CustN92	Original Payment^Out	'ayment^Out cancellation request	***		[P_MSG_TYPE]	In	SWIFT_103, Pacs_008	***^CustCancelRe quest
	going Cancellation Request	generation		AND	BUTTON_ID	=	Cancel Request	
BankN92	·	cancellation request	***		[P_MSG_TYPE]	In	SWIFT_202, Pacs_009	***^BankCancelR equest
	going Cancellation Request	generation		AND	BUTTON_ID	=	Cancel Request	
CustN95	Original Payment^Que	Manual query generation	***		[P_MSG_TYPE]	In	SWIFT_103, Pacs_008,SWIFT_191	***^CustQuery
	ry			AND	BUTTON_ID	=	Queries	
BankN95	Original Payment^Que ry	Manual query generation	***		[P_MSG_TYPE]	In	SWIFT_202,SWIFT_2 02COV,SWIFT_291,P acs_009	***^BankQuery
				AND	BUTTON_ID	=	Queries	
CustN99		Manual free format	***		BUTTON_ID	=	Free Format	***^
Payment^Fre e Format	generation		AND	P_MSG_TYPE	In	SWIFT_103,Pacs_008 ,SWIFT_191,SWIFT_1 95,SWIFT_192,SWIFT _196	CustFreeFormt	

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
BankN99	Original Payment^Fre e Format	Manual answer generation	***		BUTTON_ID	=	Free Format	***^ BankFreeFormt
				AND	P_MSG_TYPE	In	SWIFT_202,SWIFT_2 02COV,Pacs_009,SWI FT_291,SWIFT_295,S WIFT_292,SWIFT_29 6	

4.2.4 Data Manipulation - Transaction Generation Mapping Rules (Rule Type 149)

When a payment is generated the definition of all message fields is defined by the Transaction Generation Mapping profile.

4.2.4.1 ManualAnswer

- Name: ***^149^ManualAnswer
- Rule Sub Type : Related Message^Answer
- Description: Transaction generation mapping from related message to answer
- Attachment: Generate Transaction Profile BankAnswer
- Conditions:
 - LMF(Related Message,[X_END_TO_END_ID]) setVal [X_INSTR_ID]
 - LMF(Related Message,[X_INSTD_AGT_BIC_2AND]) setVal [X_INSTG_AGT_BIC_2AND]
 - o LMF(Related Message,[X_INSTG_AGT_BIC_2AND]) setVal [F_OFFICE_CUST_SWIFT_ID]
 - LMF(Related Message,[P_PREFERRED_CDT_MOP]) setVal [P_PREFERRED_CDT_MOP]
 - LMF(Related Message,[X_STTLM_DT_1B]) setVal [X_STTLM_DT_1B]

4.2.4.2 ApprovedRFC192

- Name: ***^149^ApprovedRFC192
- Rule Sub Type: Incoming Cancellation Request^Answer
- Description: Mapping from approved incoming cancellation request to generated answer
- Attachment : Generate Transaction Profile <u>ApproveRFCAnsr 196</u>
- Conditions:
 - LMF(Answer,[X INSTG AGT BIC 2AND]) setVal [X INSTD AGT BIC 2AND]
 - LMF(Answer,[X_INSTD_AGT_BIC_2AND]) setVal [X_INSTG_AGT_BIC_2AND]
 - LMF(Answer,[X_END_TO_END_ID]) setVal [X_INSTR_ID]
 - LMF(Answer,[X ANSWERS F76]) setVal Cancellation Approved
 - LMF(Answer,[P OFFICE]) setVal [P OFFICE]
 - LMF(Answer,[P_DEPARTMENT]) setVal [P_DEPARTMENT]
 - LMF(Answer,[P CDT MOP]) setVal SWIFT
 - o LMF(Answer,[P_MSG_CLASS]) setVal NAC
 - LMF(Answer,[P_MSG_TYPE]) setVal SWIFT_196

4.2.4.3 ApprovedRFC292

- Name: ***^149^ApprovedRFC292
- Rule Sub Type : Incoming Cancellation Request^Answer
- Description: Mapping from Approved RFC 292 to Answer
- Attachment : Generate Transaction Profile ApproveRFCAnsr 296
- Conditions:
 - LMF(Answer,[X_INSTG_AGT_BIC_2AND]) setVal [X_INSTD_AGT_BIC_2AND]

- LMF(Answer,[X_INSTD_AGT_BIC_2AND]) setVal [X_INSTG_AGT_BIC_2AND]
- LMF(Answer,[P CDT MOP]) setVal SWIFT
- LMF(Answer,[P_OFFICE]) setVal [P_OFFICE]
- LMF(Answer,[P_DEPARTMENT]) setVal [P_DEPARTMENT]
- LMF(Answer,[X_END_TO_END_ID]) setVal [X_INSTR_ID]
- o LMF(Answer,[P MSG CLASS]) setVal NAC
- o LMF(Answer,[P_MSG_TYPE]) setVal SWIFT_296
- LMF(Answer,[X_ANSWERS_F76]) setVal Cancellation Approved

4.2.4.4 DuplicateRFC192

- Name: ***^149^DuplicateRFC192
- Rule Sub Type : Incoming Cancellation Request^Answer
- Description: Mapping from duplicated incoming cancellation request to generated answer
- Attachment : Generate Transaction Profile <u>DuplicateRFCAnsr 196</u>
- Conditions:
 - o LMF(Answer,[X_INSTG_AGT_BIC_2AND]) setVal [X_INSTD_AGT_BIC_2AND]
 - LMF(Answer,[X_INSTD_AGT_BIC_2AND]) setVal [X_INSTG_AGT_BIC_2AND]
 - LMF(Answer,[X_END_TO_END_ID]) setVal [X_INSTR_ID]
 - LMF(Answer,[X ANSWERS F76]) setVal Duplicate Cancellation Request Received
 - LMF(Answer,[P_OFFICE]) setVal [P_OFFICE]
 - o LMF(Answer,[P_DEPARTMENT]) setVal [P_DEPARTMENT]
 - o LMF(Answer,[P_CDT_MOP]) setVal SWIFT
 - LMF(Answer,[P_MSG_CLASS]) setVal NAC
 - LMF(Answer,[P_MSG_TYPE]) setVal SWIFT_196

4.2.4.5 DuplicateRFC292

- Name: ***^149^DuplicateRFC292
- Rule Sub Type: Incoming Cancellation Request^Answer
- Description: Mapping from Duplicate RFC 292 to Answer
- Attachment : Generate Transaction Profile DuplicateRFCAnsr 296
- Conditions:
 - LMF(Answer,[X_INSTG_AGT_BIC_2AND]) setVal [X_INSTD_AGT_BIC_2AND]
 - LMF(Answer,[X_INSTD_AGT_BIC_2AND]) setVal [X_INSTG_AGT_BIC_2AND]
 - LMF(Answer,[X_END_TO_END_ID]) setVal [X_INSTR_ID]
 - LMF(Answer,[P_CDT_MOP]) setVal SWIFT
 - LMF(Answer,[P_OFFICE]) setVal [P_OFFICE]
 - LMF(Answer,[P_DEPARTMENT]) setVal [P_DEPARTMENT]
 - o LMF(Answer,[P_MSG_CLASS]) setVal NAC
 - o LMF(Answer,[P_MSG_TYPE]) setVal SWIFT_296
 - LMF(Answer,[X_ANSWERS_F76]) setVal Duplicate Cancellation Request Received

4.2.4.6 RefusedRFC192

- Name: ***^149^RefusedRFC192
- Rule Sub Type: Incoming Cancellation Request^Answer
- Description: Mapping from refused incoming cancellation request to generated answer
- Attachment : Generate Transaction Profile RefusedRFCAnsr_196
- Conditions:
 - o LMF(Answer,[X_INSTG_AGT_BIC_2AND]) setVal [X_INSTD_AGT_BIC_2AND]
 - LMF(Answer,[X_INSTD_AGT_BIC_2AND]) setVal [X_INSTG_AGT_BIC_2AND]
 - LMF(Answer,[X END TO END ID]) setVal [X INSTR ID]
 - LMF(Answer,[X_ANSWERS_F76]) setVal Cancellation refused
 - LMF(Answer,[P_OFFICE]) setVal [P_OFFICE]
 - LMF(Answer,[P_DEPARTMENT]) setVal [P_DEPARTMENT]
 - o LMF(Answer,[P_CDT_MOP]) setVal SWIFT
 - o LMF(Answer,[P_MSG_CLASS]) setVal NAC
 - o LMF(Answer,[P_MSG_TYPE]) setVal SWIFT_196

4.2.4.7 RefusedRFC292

- Name: ****149^RefusedRFC292
- Rule Sub Type : Incoming Cancellation Request^Answer
- Description: Mapping from Refused RFC 292 to Answer
- Attachment : Generate Transaction Profile RefusedRFCAnsr 296
- Conditions:
 - LMF(Answer,[X_INSTG_AGT_BIC_2AND]) setVal [X_INSTD_AGT_BIC_2AND]
 - LMF(Answer,[X INSTD AGT BIC 2AND]) setVal [X INSTG AGT BIC 2AND]
 - LMF(Answer,[X_END_TO_END_ID]) setVal [X_INSTR_ID]
 - LMF(Answer,[P_CDT_MOP]) setVal SWIFT
 - LMF(Answer,[P_OFFICE]) setVal [P_OFFICE]
 - LMF(Answer,[P_DEPARTMENT]) setVal [P_DEPARTMENT]
 - o LMF(Answer,[P_MSG_CLASS]) setVal NAC
 - LMF(Answer,[P_MSG_TYPE]) setVal SWIFT_296
 - o LMF(Answer,[X_ANSWERS_F76]) setVal Cancellation refused

4.2.4.8 WaitingRFC192

- Name: ***^149^WaitingRFC192
- Rule Sub Type: Incoming Cancellation Request^Answer
- Description: Mapping from waiting incoming cancellation request to generated answer
- Attachment: Generate Transaction Profile
- Conditions:
 - LMF(Answer,[X_INSTG_AGT_BIC_2AND]) setVal [X_INSTD_AGT_BIC_2AND]

- LMF(Answer,[X_INSTD_AGT_BIC_2AND]) setVal [X_INSTG_AGT_BIC_2AND]
- LMF(Answer,[X END TO END ID]) setVal [X INSTR ID]
- o LMF(Answer,[X_ANSWERS_F76]) setVal No match found
- LMF(Answer,[P_OFFICE]) setVal [P_OFFICE]
- LMF(Answer,[P_DEPARTMENT]) setVal [P_DEPARTMENT]
- LMF(Answer,[P CDT MOP]) setVal SWIFT
- LMF(Answer,[P_MSG_CLASS]) setVal NAC
- LMF(Answer,[P_MSG_TYPE]) setVal SWIFT_196

4.2.4.9 WaitingRFC292

- Name: ***^149^WaitingRFC292
- Rule Sub Type : Incoming Cancellation Request^Answer
- Description: Mapping from waiting incoming cancellation request to generated answer
- Attachment: Generate Transaction Profile
- Conditions:
 - o LMF(Answer,[X_INSTG_AGT_BIC_2AND]) setVal [X_INSTD_AGT_BIC_2AND]
 - LMF(Answer,[X_INSTD_AGT_BIC_2AND]) setVal [X_INSTG_AGT_BIC_2AND]
 - LMF(Answer,[X_END_TO_END_ID]) setVal [X_INSTR_ID]
 - LMF(Answer,[P CDT MOP]) setVal SWIFT
 - LMF(Answer,[P_OFFICE]) setVal [P_OFFICE]
 - LMF(Answer,[P_DEPARTMENT]) setVal [P_DEPARTMENT]
 - LMF(Answer,[P_MSG_CLASS]) setVal NAC
 - LMF(Answer,[P_MSG_TYPE]) setVal SWIFT_296
 - o LMF(Answer,[X_ANSWERS_F76]) setVal No match found

4.2.4.10 ManualRFC

- Name: ***^149^ManualRFC
- Rule Sub Type : Original Payment\(^O\)outgoing Cancellation Request
- Description: Transaction generation mapping from original payment to outgoing cancellation request
- Attachment : Generate Transaction Profile
- Conditions:
 - LMF(Outgoing Cancellation Request,[X_END_TO_END_ID]) setVal [X_INSTR_ID]
 - LMF(Outgoing Cancellation Request,[X_INSTD_AGT_BIC_2AND]) setVal [X_INSTG_AGT_BIC_2AND]
 - LMF(Outgoing Cancellation Request,[X_INSTG_AGT_BIC_2AND]) setVal [F_OFFICE_CUST_SWIFT_ID]
 - LMF(Outgoing Cancellation Request,[P_PREFERRED_CDT_MOP]) setVal [P_PREFERRED_CDT_MOP]
 - LMF(Outgoing Cancellation Request,[X_STTLM_DT_1B]) setVal [X_STTLM_DT_1B]

4.2.5 Cancellation Request Validation (Rule Type 157)

Rule Name	Rule Sub Type	Description	Attached to	And/Or	Field/Field	Operator	Value/Field/ Function	Action
N92_CANCELREQVALID		Cancellation Request Validation	*** Office		LMF(Original Payment,[P_MSG _STS])		REJECTED	40102

Appendix A: Glossary

Term	Description
GPP	Global PAYplus
MOP	Method of Payment; the means via which a payment is executed, such as BOOK or SWIFT.
MOP Earliest value date	The number of days before MOP business date that payments may be set.
MOP Extension	The number of days from MOP business date and forward that allows payment processing. Any value date that is great than Latest and below Extension will be processed and stored in the schedule queue. Any payment exceeding the extension will be sent to repair queue.
MOP latest value date	The number of days after MOP business date that payments may be set
MT	Message Type
N-messages	N-messages (referred to also as MTn9x messages) are non-accounting SWIFT messages.
SWIFT	Society for Worldwide Interbank Financial Telecommunication. A member-owned cooperative that provides the communications platform, products, and services to connect over 8,600 banking organizations, securities institutions, and corporate customers in more than 208 countries.



No. 01360027

Registered Office

London W2 6BD

4 Kingdom Street Paddington