

# **Technical Guide**

# **Advices Interface**

**GPP-SP-SP Version: 4.0.34** 

**Document Version: 1.0, January 2011** 

Catalog ID: GPTADV1-03410

0

© 2001-2010 Fundtech All rights reserved.

#### PROPRIETARY AND CONFIDENTIAL

This document contains proprietary information, confidential information, and trade secrets of Fundtech. Title to this document and all of the information in it remains in Fundtech at all times.

This document must not be used, disclosed, or reproduced in whole or in part for any purpose, other than to provide guidance for the users of Fundtech products, without the prior written consent of Fundtech.

Fundtech reserves the right to alter the specifications and descriptions in this publication without prior notice. No part of this publication will be deemed to be part of any contract or warranty unless specifically incorporated by reference into such contract or warranty. All brand or product names are the trademarks or registered trademarks of their respective holders.

# DOCUMENT CHANGE CONTROL

Version	Date	Authors	Summary of Changes
0.1 Dec. 29, 2010		Eran Vitkon	Write-up
1.0	Dec. 30, 2010	Eran Vitkon	Post T/W review
1.1	Jan 2, 2010	Eran Vitkon	Cosmetic update

# **TABLE OF CONTENTS**

1	OVE	ERVIEW	6
	1.1	Introduction	6
	1.2	Авоит This Воок	6
	1.2.1	Conventions	6
	1.2.2	Glossary of Terms	7
	1.2.3	Related documents	7
2	HIG	GH LEVEL DESCRIPTION	8
	2.1	EXECUTIVE SUMMARY	8
3	DE1	TAILED DESCRIPTION	9
	3.1	REFERENCE DATA	9
	3.1.1	Interface Profile	9
	3.1.2	System Tables	10
	3.2	PROCESSING FLOW	10
	3.2.1	STP	10
	3.2.2	Manual Handling (N/A)	11
4	EXA	AMPLES	12
	4.1	PACS 002	12
	4.2	FUNDTECH MESSAGE GENERATION	12
	4.3	ALERTS AND NOTIFICATIONS	

Advices Interface Table of Tables

# **TABLE OF TABLES**

Table 1:	Conventions	6
Table 2:	Glossary of Terms	7
Table 3:	INTERFACE FIELDS Table 1	C

Technical Guide Page 5 of 14

Advices Interface Overview

#### 1 OVERVIEW

#### 1.1 Introduction

GPP-SP payment processing is comprised of services and services orchestration (i.e. the order in which the services are set). The services include debit party and credit party identification, payment fees as well as FX when required. During the payment processing flow GPP-SP interacts with bank systems (in order to capture the payment, to perform an account lookup when a specific account doesn't reside in GPP repository or at the end of the processes when the posting has to be done at the bank's ledger books). Creating advises and setting up an ability to trigger an alert is another possibility. This document describes the required interface setup for advising and notification.

At the end of every service, GPP-SP goes through 'graceful termination flow'. This flow assesses a business rule that defines whether an advice should be generated. There are currently two major types of advices:

- 1. Electronic advises created by GPP-SP
- 2. Electronic advices generated by GPP-SP interface.

This document focuses on the second type and describes the following scenarios:

- 1. Creation of PACS 002
- 2. Creation of a proprietary advice based on list of attributes and their value.
- 3. Creation of Fundtech proprietary message (as specified in GPP-SP Technical Guide Fundtech Message Format.doc)

#### 1.2 About This Book

#### 1.2.1 Conventions

Table 1 lists the conventions used in this document.

**Table 1: Conventions** 

Icons	Description
	Error
1	Important/Warning
	Note
	Tip
	Manual Handling

Technical Guide Page 6 of 14



# 1.2.2 Glossary of Terms

Table 2 is a glossary of terms used in this document.

# **Table 2: Glossary of Terms**

Term	Description			
GPP-SP	Global Payplus Services Platform			
ВІ	Balance Inquiry			
STP	Straight Through Processing – Automated processing where operator doesn't need to intervene between the time the payment was dropped into the system till it reaches completion			

# 1.2.3 Related documents

Name	Version
GPP-SP Business Guide Advices	1.0
GPP-SP Technical Guide Fundtech Message Format.doc	2.1

Technical Guide Page 7 of 14



# 2 HIGH LEVEL DESCRIPTION

# 2.1 Executive Summary

At the end of service invocation, GPP-SP performs a 'graceful termination' flow that includes assessment of 'Advising type selection rule' and activation of the relevant advice set as the rule action.

This document covers the following actions:

- 1. Acknowledgment (i.e. create PACS 002)
- 2. Event Notification (i.e. create proprietary attribute list advice)
- 3. Notification (i.e. create Fundtech proprietary message)

For each of these actions, a sub-action is also determined which makes the required advice specific.



For 'Acknowledgment', the list of possible values for the rule sub-action is determined by a user code but the meaning of each code must be associated with hard coded advice generation.

Technical Guide Page 8 of 14

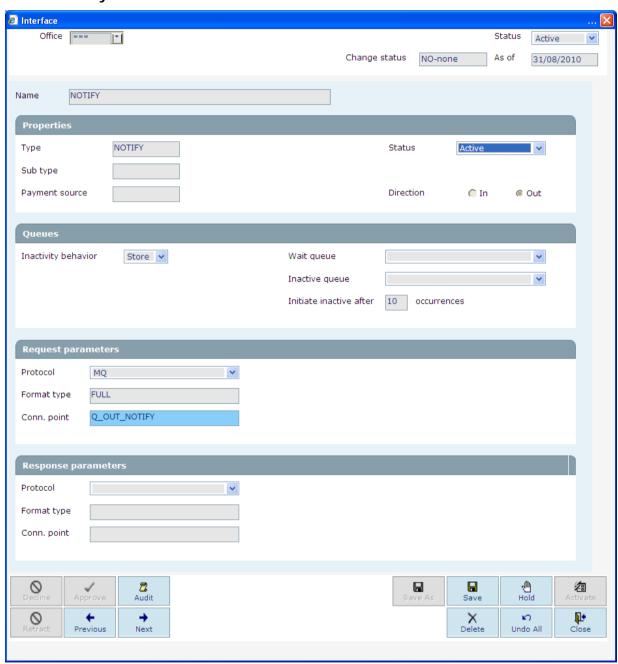
# 3 DETAILED DESCRIPTION

#### 3.1 Reference Data

#### 3.1.1 Interface Profile

This profile defines the interface attributes (such as the MQ where the advice is created)

# 3.1.1.1 Notify



Technical Guide Page 9 of 14

# 3.1.2 System Tables

### 3.1.2.1 INTERFACE FIELDS Table

This table specifies, for every Advising type selection rule sub-action, a list of payment attributes. Table structure is as follows:

Table 3: INTERFACE\_FIELDS Table

Field name	Description	Example	
INTERFACE_NAME	Rule Action code	EVENTNOT	
OFFICE	Payment office	US1	
INTERFACE_SUB_TYPE	Rule sub action code	10007	
INTERFACE_FIELD_ALIAS	The name of the field as going to be sent in the interface	Beneficiary Name	
FIELD_LOGICAL_ID	The value of the field that is going to be sent in the interface taken from the payment	X_CDTR_NM	
GROUP_ID	An indication for whether	Р	
FROM_PDO	A technical indication whether the information (field logical IF) resides in the Payment Data Object (PDO()	1	
USE_PREVIOUS_VALUE	A technical indication whether to use the logical field ID previous value.	0	

# 3.2 Processing Flow

#### 3.2.1 STP

At service Graceful termination flow, the Advising type selection rule business rule is assessed. The first matching rule holds the following action:

- 1. Acknowledgment (Pacs 002)
  - 1. Generate PACS 002.
  - 2. Copy all attributes from original message.
  - 3. Perform special mapping following the rule sub action.
  - 4. The list of sub-actions has to be setup both in the user codes and in the code. Most changes would be around setting the attribute 'TxSts' into one of its possible values: (example: ACTC) Additional common mapping is of 'OrgnlEndToEndId' & 'ClrSysRef'
- 2. Event Notification (Alert and Notification proprietary format)
  - 1. Generate a proprietary message.
  - 2. Message header includes fixed list of attributes that are always being sent out.



These fields are set with FROM\_PDO indicator set to zero (0)..

Technical Guide Page 10 of 14

- 0
- 3. Message body is comprised of list of dynamically set attributes that are specified per rule sub-action in INTERFACE\_FIELDS table.
- 3. Notification (Fundtech message format)
  - 1. Generate Fundtech message (with all message attributes)

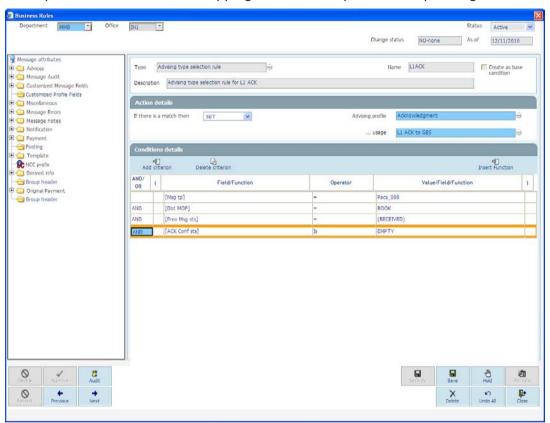
# 3.2.2 Manual Handling (N/A)

Technical Guide Page 11 of 14

# 4 EXAMPLES

#### 4.1 PACS 002

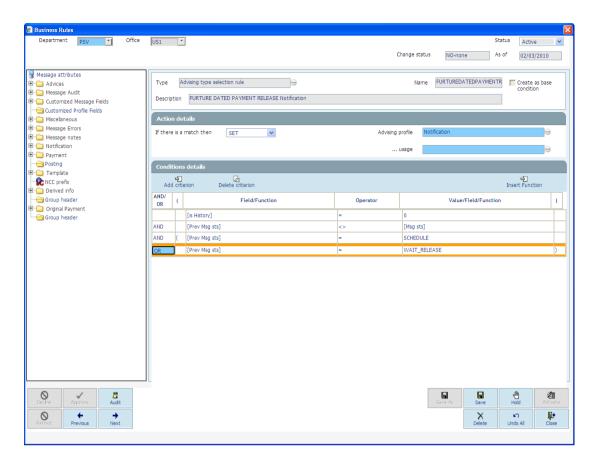
This business rule setup includes the creation of PACS 002. The **L1 ACK to GBP** specifies a list of predefined hard-coded mappings that are unique for this specific generated PACS.



# 4.2 Fundtech Message Generation

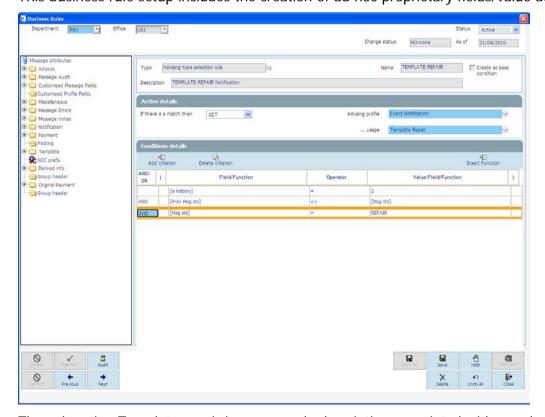
This business rule setup includes the creation of Fundtech proprietary message. There is no need for sub-action. The Fundtech message is placed according to the interface MQ setup.

Technical Guide Page 12 of 14



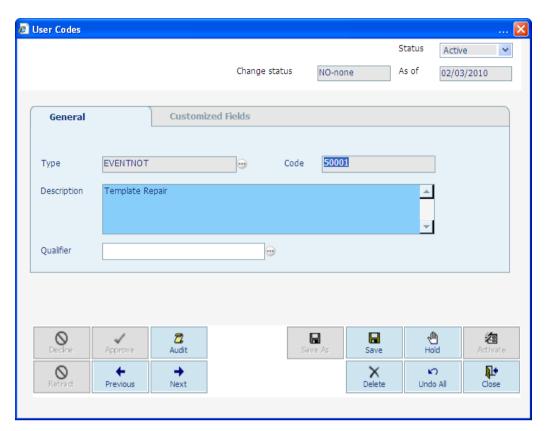
#### 4.3 Alerts and Notifications

This business rule setup includes the creation of ad hoc proprietary fields/value advice.



The sub action Template repair is a user code description associated with a code (50001).

Technical Guide Page 13 of 14



The code is one of the primary keys for INTERFAC\_FIELDS table where a list of attributes is set:

Interface Name	Offic e	Interfac e sub type	Interface field alias	Field logical ID	<b>Group</b> ID	From PDO	Use previou s value
EVENTNOT	US1	50001	Error Code	V_ERROR_CODE	Р	0	0
EVENTNOT	US1	50001	Reject reason	V_REJECT_REASO N	Р	0	0
EVENTNOT	US1	50001	Template Code	P_TEMPLATE_CD	Р	1	0
EVENTNOT	US1	50001	Template Name	P_TEMPLATE_NM	Р	1	0
EVENTNOT	US1	50001	Debit Account Number	P_DBT_ACCT_NB	Р	1	0
EVENTNOT	US1	50001	Date Initiated	P_CREATE_DT	Р	1	0
EVENTNOT	US1	50001	Status	P_MSG_STS	Р	1	0

Technical Guide Page 14 of 14