



Global PAYplus Version 4.6.4

List of Services

Service-Oriented Architecture Guide

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Version Control

Version	Date	Summary of Changes
1.0		Document created
2.0	December 2015	Updated for rebranding
3.0	November 2016	Services table updated to reflect the GPP V4.6 SOA Services.

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1 Introduction

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

1.1 Overview

Global PAYplus (GPP) is a robust payment engine with a workflow that emulates the business flow of the bank or other financial institution (FI). Configurable reference data profiles control the sequence of workflow steps and the actions performed in each step.

This document describes the GPP service-oriented architecture (SOA) services. Each service is an unassociated, self-supporting functionality. A business flow of messages is a cluster of services set in a predefined order which provide GPP's range of functionality.

To view a listing of GPP SOA services and their descriptions, as well as reference documentation that provides additional details about GPP services, see [SOA Services](#).

1.2 Target Audience

This guide is intended for GPP operators that need to understand business flow and SOA functionality. A basic knowledge of GPP terminology is assumed.

2 SOA Services

The table lists all the GPP SOA services, which are exposed for customer usage. The Reference Document column lists the name of the document that describes the service in more detail.

Service Name	Description	Reference Document
ApplyChangesService	This service supports the Apply Changes function.	GPP SOA Guide Static Data
LoadProfileService	The service provides the ability to retrieve a single entry, per profile, by providing both the profile unique ID and the entry unique ID.	GPP SOA Guide Static Data
MessageLoadService	This service provides the ability to retrieve full or partial data available for a single payment, based on the unique payment ID (MID). It also enables the user to retrieve the output in a different message format. For example, the original payment message type is pain.001, and the user requests the output as message a pacs.008 type.	GPP SOA Guide Action on Payments
MessageSubmitService	This service creates a new message in GPP or amends/performs an action on an existing message. It includes validations on the action button (if the action button is allowed for the message status) and some payment attributes validations (if the mandatory attributes are set correctly), as well as user authorization to perform the action. It can accept a batch (multiple payments) or a single payment action.	GPP SOA Guide Action on Payments
ProfileActionsService	This service enables performing actions on a static data profile, such as Save, Hold, Delete and Activate. These action buttons are taken from the GPP user interface.	GPP SOA Guide Static Data
ProfileListService	This service enables retrieval of any related reference data (also known as profiles in GPP) by providing a set of query criteria. It assesses the relevant selected profile and returns the matching results.	GPP SOA Guide Static Data
QueueListService	This service provides a list of payments which meet a given selection criteria and are filtered by user's restrictions (for example, includes a list of all payments that meet the combined criteria of the input, such as payments with same message status, that the user has permissions to view).	GPP SOA Guide Queue List Service
STPRulesService	This service enables a third party to perform the STP validation checks outside of GPP. The STP validation check applies a pre-defined set of validations rules, to ensure that the payment can be processed STP.	GPP SOA Guide STP Validation
ValidateAndDeriveCustomerFromIBANService	This service performs IBAN validation. IBAN validation is both a standalone service that can be activated by a third party application and a front end application. It is also used by GPP to process	GPP SOA Guide IBAN Validation

Service Name	Description	Reference Document
	<p>in the Debit and Credit party identification when an IBAN is provided.</p> <p>It checks whether the received ID is a valid IBAN, invalid IBAN or non- IBAN. If the IBAN is valid, the service returns the IBAN elements: country code, bank id, branch id, account number and also tries to identify the customer and load its information (for example, BIC, ABA, Name, Address).</p>	