# Specification for development of PRESTASHOP payment plugin/module for Société Générale – EPOS project

## 1 – Context and definition of project

Société Générale (SG) has launched a project for proposing a Pan-European credit financing offer (ePOS) for E-commerce Merchants. Some of those Merchants who are using CMS e-commerce platforms such as PRESTASHOP, MAGENTO, SHOPIFY … expect to have a smooth integration of ePOS offer using integration of standard PRESTASHOP payment plugin/module capability.

## 2 – Goal of this project

Development of a new PRESTASHOP plugin/module payment method and integration of an existing payment/credit financing solution ePOS via API (see documentation <https://github.com/rocchisanijl/SocGen-BaaS-ePOS-mechant-integration> ).

## 3 – Scope of project

* PRESTASHOP e-commerce platform integration

## 4 – Functional & Technical requirements

1. Development must conform PRESTASHOP norms and guide lines (see PRESTASHOP documentation <https://devdocs.prestashop.com/1.7/modules/payment/> <https://devdocs.prestashop.com/1.7/development/coding-standards/> <https://devdocs.prestashop.com/1.7/development/naming-conventions/> )

The module/plugin should be integrated as official PRESTASHOP payment list

See <https://api.prestashop.com/xml/tab_modules_list_17.xml>

1. Development should reuse skeleton propose by PRESTASHOP <https://github.com/PrestaShop/paymentexample>
2. Development integration flows are described below.
3. The plugin will call existing ePOS SmartCredit application via API as an “External Payment option” (see documentation <https://devdocs.prestashop.com/1.7/modules/payment/#paymentoption> )
4. Plugin will allow to propose to end-user multiple payment methods[[1]](#footnote-1) choices for consumer (at least split payment and/or credit financing). Payment method is one of parameter of the ePOS API to be called.
5. Availability of payment method to be proposed are depending of following rules:
   1. Delivery address: if delivery address is France than payment method is FRF\_XXX. If delivery address is German payment method = “REVOLVINGPOS”
   2. Amount to be financed:
      1. we should propose FF\_XXX payments methods only if amount to be financed is >=100 euro.
      2. We whould proposed REVOLVINGPOS method only if amount to be financed is >= 150 euro.
6. Plugin will be configurable as other standard PRESTASHOP payment method. in the configuration, the merchant admin will enter its API client and secret keys that should be stored **in a secure manner[[2]](#footnote-2).**

Une image contenant table

Description générée automatiquement

## 5 - Budget

An estimation for a fix price is demanded.

## 6 – Deliverables

* Sources + Documentation (readme …) + installation guide lines conform to PRESTASHOP standard installation.
* A test and end-to-end demonstration are to be provided as acceptation criteria. A temporary test environment will be proposed to the customer for the final validation.
* The new module/plugin may be integrated as official PRESTASHOP payment module list as acceptation criteria

1. Existing Payment method codes are : **FRF\_3X, FRF\_4X, FRF\_3X\_F, FRF\_4X\_F, REVOLVINGPOS** [↑](#footnote-ref-1)
2. API secret must be stored in a secure manner (for instance a secure vault) and not in clear in the code. [↑](#footnote-ref-2)