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semopx

Member Procedure – API Software Implementation

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Summary

<u>Related process</u>	*API Software Implementation*
<u>Objective of the procedure</u>	*Describe the actions to be taken by Exchange Members during the Software Implementation process*
<u>Concerned persons</u>	*SEMOpx Members developing their Software connected to M7 API*

Historical of the document (Update must be performed after any modification of the process)

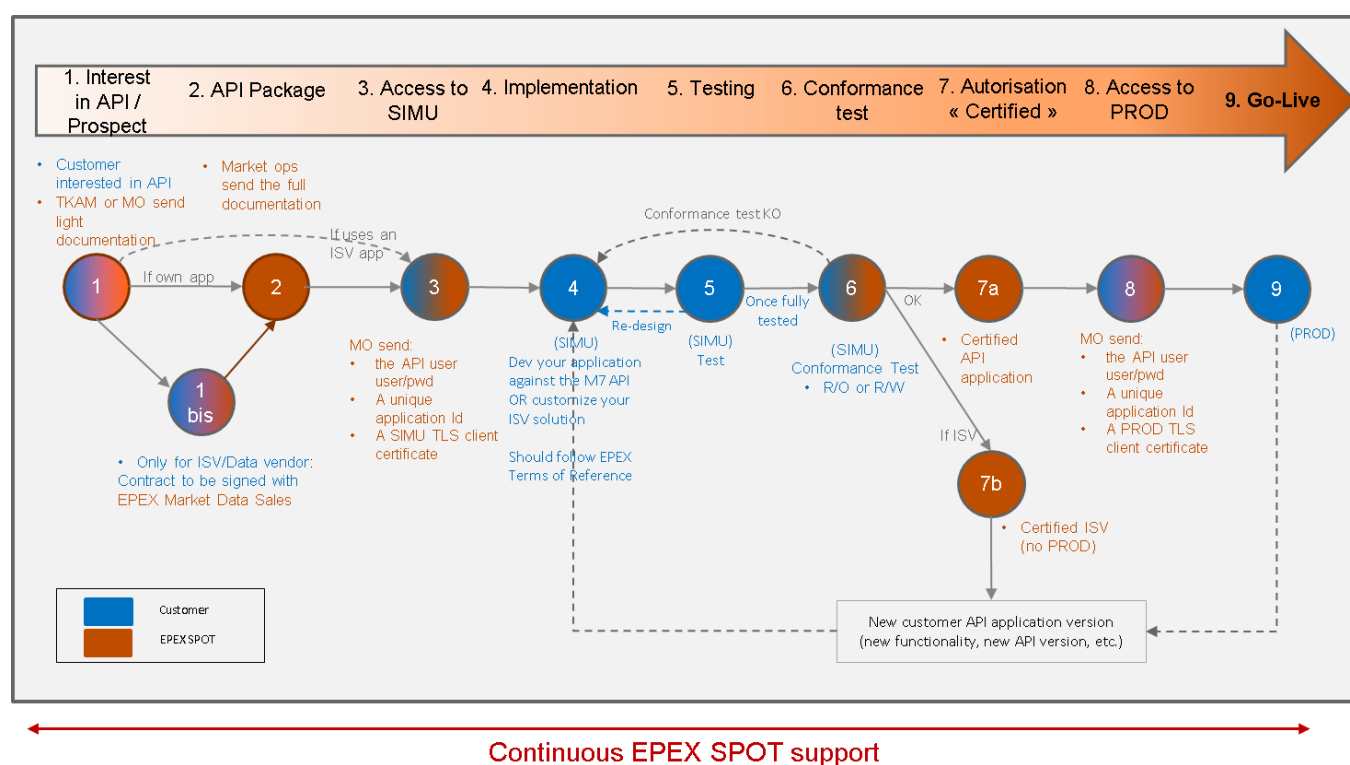| Evolution	Date	Version	Author	Comments
Creation	10/01/2014	V 1.0	SEMOpx	creation
Update	12/09/2017	V 2.0	SEMOpx	updated
Update	11/07/2018	V 3.0	SEMOpx	updated
Update				

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1. Introduction

In case an SEMOPX Member is willing to develop or update its Software Implementation connected to the SEMOPX M7 Trading System API, SEMOPX requires its Members to follow a specific process, ensuring the proper implementation and the safe use M7 Trading System API.

This procedure describes the process to be followed.

2. Business Process

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2.1   Process Initiation

The SEMOPX Member is requested to contact the SEMOPX Market Operation in the two following cases:

- To develop an initial version a Software Implementation connected to M7 API Trading System API.
- To notify any further update of its Software Implementation, prior to any delivery of the updates in production.

Pursuant to the notification, SEMOPX Market Operation will:

- Track the request enabling to follow-up and support the SEMOPX Member during the whole process
- Initiate the Implementation Process by providing the member with all required document and information.

Beside the required technical documentation and the support documentation, the Member will also be provided with the *Software Conformance Sheet* and the *Technical Term of Reference Conformance Sheet*.

2.2   Software Implementation

During the Software Implementation phase, the SEMOPX Member is requested to implement its Software Implementation **respecting the Term of Reference** provided by SEMOPX at the Process Initiation. SEMOPX Market Operation is available to provide support to the Member based on support documentation provided at the Process Initiation.

The member is also requested to provided, as soon as possible, the *Software Conformance Sheet* duly filled to SEMOPX Market Operation.

2.3   Software Implementation Test

During the Software Implementation Test phase, the SEMOPX Member is requested to perform by its own tests and adaptation of its Software Implementation covering all technical and business functionalities of the Software, until all tests are successful. In particular, the SEMOPX Member is requested to verify that **all Term of References** provided at the Process Initiation **are respected**.

2.4   Software Implementation Validation

As soon as the Software Implementation and the Software Test were fully completed and successful, the SEMOPX Member is request to declare the validation of its Software Implementation by providing SEMOPX Market Operation with the *Technical Terms of Reference Compliance Sheet* duly filled, and provide an updated version of the *Software Conformance Sheet* in case any relevant information should be changed.

SEMOPX Market Operation will verify the conformance of information provided within these documents.

The provision of these documents is a condition precedent to the start of the Software Conformance Process. Hence, the Software Conformance Process won't be initiated by SEMOPX until the form is duly filled.

2.5   Software Implementation Process

Pursuant to the Software Implementation Validation, the Exchange Member shall contact SEMOPX Market Operation to conduct the **Software Conformance Process.** The Software Conformation Process consists in a test session driven by SEMOPX Market Operation in collaboration with the Member, during which the Member will be requested to demonstrate that its Software Implementation respect all the present Terms of Reference and doesn't threaten or harm the frictionless operation of M7 Trading System.

To demonstrate this, SEMOPX Market Operation will require the Exchange Member to fulfill several tasks within a Dummy Market.

Moreover for quality assurance reasons, the execution of specific test cases in Simulation Operation and the provision of the associated log files can as well be requested after the client application has started in the Production Operation.