

# API Connect Reference Guide and the recommended scheme of integration with MDLP System via the provided API

## I. The list of available environments belonging to IS MDLP

- **API test environment**

*Test environment functions:*

- primary review and API adoption;
- capability to perform all the operations from the medical product lifecycle using API within MDLP system: to perform the operations that don't require the second Participant of medical product circulation and the operations that require the other Party – (direct, reverse acceptance etc);

This test environment is absolutely full-featured; all MDLP system components are deployed on it and function properly. The access to the Participant's personal account is not provided. Two test Participants are available for API developers and circulation Participants that are in the process of familiarizing themselves with API; with the help of test Participants it is possible to practice and familiarize yourself with the work and MDLP integration using API and at the same time not to focus on data purity.

- **MDLP test system (“Sandbox”) – MDLP system environment** that all the circulation Participants (those who wish) are connected to.

*Environment functions:*

- enables the circulation Participants to test IS MDLP performance under conditions as close to real possible;
- provides debugging capability and enables to interact with the MDLP system;
- enables to interact with other Participants of medical product circulation (who are also connected to Sandbox);
- enables the Participants to get an access and to get ready for the expected system changes such as: changes in the Participant's personal account, changes that imply the launch of new XSD schema versions or/and API updates – before commencement of production operations;
- thus, it enables the Participants of medical product circulation to get ready for these changes beforehand.

This test environment is absolutely full-featured; all MDLP system components are deployed on it and function properly.

- **Production system** - MDLP system environment that the circulation Participants are connected to.

This test environment is absolutely full-featured; all MDLP system components are deployed on it and function properly. All the data is real.

**Comment:** All three environments are available for the Participants of medical product circulation. Accounting system developers have an access only to API test environment. Accounting system developers can represent a Participant of medical product circulation and get an access to the environment “Sandbox” by the request of the circulation Participant that they represent.

**NOTE:** MDLP system API is available on all the mentioned environments. API Connect schemes relevant for these environments are described below.

## II. API Connect schemes within API test environment

The following persons can connect to API test environment:

- developers from the Participants of medical product circulation that participate in the Experiment;
- accounting system developers.

In both cases it is necessary to send the application to MDLP system technical support with the following information included:

- Application subject: API test environment Connect;
- Company name and its TIN;
- IP address/addresses that are going to be used for integration – the addresses must be external and static;
- Contact information of the person responsible for integration via API: name, middle name, surname, e-mail, contact phone number, Skype.

After MDLP system technical support handles the application, in case of approval, the applicant will receive a letter with the connection information.

Connection wait time is 1-3 working days.

### **III. API Connect scheme within MDLP system environment “Sandbox”**

The following persons can connect to API within MDLP system environment “Sandbox”:

- developers from the Participants of medical product circulation that are signed up for the “Sandbox” and participate in the Experiment;
- accounting system developers can represent a circulation Participant and get an access to the “Sandbox” environment but only by the request to technical support sent by the Participant of medical product circulation signed up for the “Sandbox” that they represent.

In both cases it is necessary to send the application to MDLP system technical support with the following information included:

- Application subject: API Connect within MDLP system environment “Sandbox”
- Company (the Participant of medical product circulation) name and its TIN;
- IP address/addresses that are going to be used for integration – the addresses must be external and static;
- Contact information of the person responsible for integration via API: name, middle name, surname, e-mail, contact phone number, Skype.
- In case accounting system developers are involved, it is necessary to specify TIN and name of the company – accounting system developer.

After MDLP system technical support handles the application, the Participant will receive a letter with access points.

Connection wait time is 1-3 working days.

### **IV. API Connect scheme within MDLP production system**

Only registered Participants of the Experiment can connect to MDLP production system;

To do this it is necessary to send the application to MDLP system technical support with the following information included:

- Application subject: API Connect within MDLP production system;
- Company (the Participant of medical product circulation) name and its TIN;
- IP address/addresses that are going to be used for integration – the addresses must be external and static;
- Contact information of the person responsible for integration via API: name, middle name, surname, e-mail, contact phone number, Skype.

- In case accounting system developers are involved, it is necessary to specify TIN and name of the company – accounting system developer.

After MDLP system technical support handles the application, the Participant will receive a letter with access points.

**NOTE:** system developers recommend the Participants of medical product circulation to pass the full path by the recommended below scheme of integration with MDLP system before connecting to API of the production system.

Connection wait time is 1-3 working days.

## **V. Recommended scheme of integration with MDLP System via a provided API**

- Get an access to API test environment (*see* paragraph II);
- Be able to use the maximum number of API methods based on API test environment ;
- After this state that you are ready to work with API within “Sandbox” environment by sending the application to MDLP system technical support;
- Get an access to API within MDLP system environment “Sandbox” (*see* the scheme of connection in paragraph III);
- Conduct final testing by going through native chains either with a partner-circulation Participant registered in “Sandbox” environment or with a test Participant.

*Comment: the Participant can get information and all the necessary data regarding the system test Participant that acts as the other Party within the chain with the help of system technical support.*

- After this get an access to API of MDLP production system (*see* paragraph IV).

***NOTE: It should be pointed out that Participants can connect to production environment and work with a production system at once but in such case there is a high risk of errors. And all the data transmitted by the circulation Participants in production environment is considered to be production data officially transmitted by the Participant to MDLP system.***