

APPROVED

For the National Bank of the Republic of Belarus
Deputy Chairman of the Board

_____Dmitry L. Kalechits

«22» October 2018

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For Scientific and Technological Association
“Digital Business Confederation”
Chairman

_____V.V. Basko

«22» October 2018

Roadmap for the Development of Open Banking API Standards

Objective: until January 1, 2020 to organize the development of and submit for consideration of the Board of the National Bank of the Republic of Belarus draft technical regulatory legal acts (TRLA) governing the requirements (interaction protocols) for open banking APIs, as well as creating conditions and promoting the development and use of open APIs in the regulation sphere of the National Bank of the Republic of Belarus.

In order to achieve this goal it is proposed to use a flexible approach, which involves a continuous adjustment of measures in the process of their implementation:

No.	Stage	Method of achieving the result	Executing agency	Deadline	Result
1.	Drawing up a list of stakeholders: - NBRB - Banks - IT companies software providers for banks - FinTech companies	- Digital Business Confederation compiles a primary list of stakeholders, including those proposed by the National Bank of the Republic of Belarus	Digital Business Confederation	November 2018	A list of specific natural persons from IT companies, banks and other persons interested in opening banking APIs, who are ready to take part in the discussion of prototypes of the API design, modeling and testing API.
2.	Discussion at Forum “BankIT’2018”	- Panel discussion “Open Banking in Belarus” - Report “Development of Open Banking API Standards”	Digital Business Confederation	October 2018	Attracting the community’s attention, calling for participation in these events
3.	Determining the source	- Collection of information on the	Digital Business	December	Financial support for projects

	of funding and budget of the projects	complexity of all types of work for the implementation of projects included in the Roadmap - Calculation of the budget size for each project; and - Determination of the source and rules of financing	Confederation, NBRB	2018	included in the Roadmap
4.	Development of “Rules of a Bank’s Interaction with API Customers – Third Party*”	- Preparation of requirements for holding a competitive tender and choosing the executive agency for this project - The Winner of the competitive tender develops the rules - Consolidation of rules at the legislative level	Digital Business Confederation Winner of the competitive tender NBRB	April 2019	Decision of NBRB
5.	Formation of standardized terminology (glossaries)	- Formation of standardized terminology (glossaries) by structural units of the central office of the National Bank, which will be used in activities in the financial market when providing information services to natural persons, including receiving information with the use of open information APIs - Working out the issue of maintaining and keeping glossaries in electronic form (wiki)	Structural units of NBRB Digital Business Confederation	01.01.2019 – cards, credits, deposits April 2019 - the issue on information resource 01.07.2019 – on the areas, in line with the list to Protocol 25/II	Documents containing a list of terms used in the description of API standards Information resource for maintaining glossaries in electronic form on the Internet

6.	Opening of information APIs	<ul style="list-style-type: none"> - Preparation of requirements for holding a competitive tender and choosing the executive agency for this project - Implementation of the project by a third-party organization at the expense of financing the association of stakeholders - Creation by the Winner of the competitive tender of a technical platform – “sandbox**” – for design, modelling, testing and public discussion of API based on open source solutions - TRLA is submitted for consideration to the NBRB Board (on credits, deposits and cards) - API implementation at banks and creation of an information API aggregator on the NBRB website (according to a separate plan) - Holding an open discussion at the venue of Digital Business Confederation among stakeholders on the experience of introducing open information APIs in order to develop further steps for their implementation 	<p>Digital Business Confederation</p> <p>Winner of the competitive tender</p> <p>NBRB</p> <p>NBRB and banks</p> <p>Digital Business Confederation</p>	<p>August 2019</p> <p>according to a separate plan</p> <p>according to a separate plan</p>	<ul style="list-style-type: none"> - TRLA “Open Information Banking Programming Interfaces” and decision making at NBRB on their implementation - Technical description of the API in the selected API description language - Opening of information APIs at banks - Launching of the information API aggregator on the NBRB website
7.	Concept of Open	- Analysis of global and domestic	Digital Business	January	Approved Concept of Open

	Payment APIs	experience in the development of open payment APIs - Development of the Concept	Confederation, NBRB	2019	Payment APIs
8.	Concept of Open Statistics APIs	- Analysis of existing statistical reports: methods for obtaining thereof, requirements for the formation - Identification of problems that can be solved using the API - Formation of business requirements for statistics APIs - Development of the Concept	Digital Business Confederation, NBRB	September 2019	Approved Concept of Open Statistics APIs
9.	Elaboration of TRLA “Open Payment Banking Programming Interfaces”	- Preparation of requirements for holding a competitive tender and choosing the executive agency for this project - Formation of requirements for information protection and ensuring cyber security when opening an API, including the relevant requirements for programming payment applications; monitoring their implementation - Implementation of the project by a third-party organization at the expense of financing the association of stakeholders - Creation by the Winner of the competitive tender of a technical platform – “sandbox**” – for design, modelling,	Digital Business Confederation NBRB Winner of the competitive tender	September 2019	- Draft TRLA “Open Payment Banking Programming Interfaces” for consideration and decision making at the NBRB - Technical description of the API in the selected API description language

		testing and public discussion of API based on open source solutions			
10.	Elaboration of TRLA “Open Statistical Banking Programming Interfaces”	<ul style="list-style-type: none"> - Preparation of requirements for holding a competitive tender and choosing the executive agency for this project - Implementation of the project by a third-party organization at the expense of financing the association of stakeholders - Creation by the Winner of the competitive tender of a technical platform for design, modelling, testing and public discussion of API based on open source solutions 	<p>NBRB, Digital Business Confederation</p> <p>Winner of the competitive tender</p>	December 2019	<ul style="list-style-type: none"> - Draft TRLA “Open Statistical Banking Programming Interfaces” for consideration and decision making at the NBRB - Technical description of the API in the selected API description language
11.	Roadmap for the implementation of payment and statistics APIs at banks	- Discussion with banks, IT companies, and software suppliers for banks of problems and deadlines for implementing the API according to the approved TRLA and legislation	NBRB, Banks, IT companies software providers for banks	2020 Q1	The plan for implementing and opening API at banks

* - Third Party –a third party, a party of interaction between the bank and the bank’s client, not associated with any of these parties

** - Sandbox – an isolated environment for experiments, test environment

AGREED:

For the National Bank of the Republic of Belarus

Head of Payment System and Digital Technologies Directorate

_____ I.D. Kudasov

Deputy Head of Digital Technologies Department of Payment System
and Digital Technologies Directorate

_____ O.I. Sachkovskaya

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AGREED:

For Scientific and Technological Association “Digital Business
Confederation”

Coordinating manager of the cooperation area

“Development of Application Programming Interfaces”

_____ A.S. Ermakovich

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