



## increasinG tRust with eld for Developing buSiness D5.1 Test Preparation and Execution report

Document Identification				
Status	Final	Due Date	30/09/2021	
Version	1.0	Submission Date	22/12/2021	

Related Activity	Act 5	Document Reference	D5.1
Related	D2.1, D3.1, D3.2, D4.1		
Deliverable(s)			
Lead Participant	Adacom	Lead Author	Katerina Ksystra
			(UAegean)
Contributors	UAegean	Reviewers	Peter Bainbridge-Clayton
			(kompany)
			Juan Carlos Perez (ATOS)

#### Keywords

eldentity Management, Personal Attributes, KYC/B Attributes, Data Transfer, elDAS Network, elDAS elD, Pre-production tests, Production tests, cross-border testing, GRIDS Platform, 360kompany e-services

Each GRIDS Partner may use this document in conformity with the GRIDS Consortium Grant Agreement provisions.

This document is issued within the frame and for the purpose of the GRIDS project. This project has received funding from the European Union's Innovation and Networks Executive Agency – Connecting Europe Facility (CEF) under Grant Agreement No INEA/CEF/ICT/A2019/1926018; Action nº 2019-EU-IA-0044. The opinions expressed and arguments employed herein do not necessarily

reflect the official views of the European Commission.

This document and its content are the property of the GRIDS Consortium. All rights relevant to this document are determined by the applicable laws. Access to this document does not grant any right or license on the document or its contents. This document or its contents are not to be used or treated in any manner inconsistent with the rights or interests of the GRIDS Consortium or the Partners detriment and are not to be disclosed externally without prior written consent from the GRIDS Partners.



## **Document Information**

List of Contributors				
Name	Partner			
Kavassalis, Petros	UAegean			
Ksystra, Katerina	UAegean			
Triantafyllou, Nikos	UAegean			

Document History						
Version	Date	Change editors	Changes			
0.1	09/09/21	UAegean	First proposal of ToC and Draft Document			
0.2	22/09/2021	UAegean	Updated version of D5.1			
0.3	24/09/2021	UAegean	Updated version of D5.1			
0.4	28/09/2021	UAegean	Updated version of D5.1			
0.5	29/09/2021	UAegean	Incorporates comments from Reviewers			
1.0	30/09/2021	Juan Alonso, Juan Carlos Perez (ATOS)	Review of final version before submission			
1.1	21/12/2021	Katerina Ksystra (UAegean)	Second version of D5.1			
2.0	22/12/2021	Juan Alonso, Juan Carlos Perez (ATOS)	Final version to be submitted			

Quality Control				
Role	Who (Partner short name)	Approval Date		
Deliverable leader	Katerina Ksystra (UAegean)	21/12/2021		
Peer reviewers	Peter Bainbridge-Clayton (kompany), Juan Carlos Perez (ATOS)	21/12/2021		
Quality Manager	Juan Alonso (Atos)	22/12/2021		

Document name:	D5.1 Test Preparation and Execution report			Page:	2 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## Table of Contents

Document Information
Table of Contents
List of Tables
List of Figures
List of Acronyms
Executive Summary
1 Introduction
1.1 Purpose of the document
1.2 Relation to other project work
1.3 Structure of the document
2 GRIDS overview
2.1 GRIDS functionality
2.2 GRIDS Business use cases
<ol> <li>On boarding of business accounts by Banks / Financial Institutions (FIs) (end user: Raiffeiser Bank) 12</li> </ol>
2. KYC Data for Legal Entity Identifier (LEI) Checks (end user: WM Datenservice)
3. KYC Checks for Business Sectors other than Banking and Finance (end user: Advokat) 12
2.2.1 Use casese Requirements
2.2.2 Use cases eIDAS attributes
2.2.3 Use cases KYC attributes
2.2.4 Use cases flow (user centric view)13
3 GRIDS testing methodology
3.1 Software testing life cycle
3.2 Automated testing software
3.3 Testing documentation
4 Preparation of tests in pre-production and production18
4.1 Pre-production testing
4.2 Production testing
5 Execution and documentation of the tests 20
5.1 Pre-production testing (automated)
5.1.1 Test users profiles
5.1.2 Automated Tests Execution Results
5.2 Production testing
5.2.1 Test users profiles

Document name:	D5.1 Test Preparation and Execution report			Page:	3 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



21
22
23
25
27
•

Document name:	D5.1 Test Preparation and Execution report			Page:	4 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## List of Tables

Table 4-1: Pre-production test scenario	18
Table 4-2: Pre-production error-handling test scenarios	18
Table 4-3: Pre-production test case	18
Table 4-4: Pre-production error-handling test cases	18
Table 4-5: Production test scenarios	19
Table 4-6: Production test cases	19
Table 5-1: Test Users (with test credentials)	20
Table 5-2: Test user profile (User A)	20
Table 5-3: Test Users (with real eIDAS eID credentials)	21

Document name:	D5.1 Test Preparation and Execution report			Page:	5 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## List of Figures

Figure 2-1: GRIDS Platform	_ 11
Figure 3-1: Software development life cycle vs Software testing life cycle (source:	
https://www.softwaretestingmaterial.com/sdlc-vs-stlc/)	15
Figure 3-2: Test plan, test scenario and test cases relationship (https://www.javatpoint.com/test-scenario).	_ 17

Document name:	D5.1 Test Preparation and Execution report			Page:	6 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## List of Acronyms

Abbreviation / acronym	Description
AML	Anti-Money Laundering
CDD	Customer due diligence
D5.1	Deliverable number 1 belonging to Activity 5
DC	Data Consumer
DoA	Description of the Action
DP	Data Provider
DS	Data Subject
EC	European Commission
eIDAS	Regulation (EU) No. 910/2014 on electronic identification and trust services for electronic transactions in the internal market
Fls	Financial Institutions
IDA	Identity Assurance
IdP	Identity Provider
JSON	JavaScript Object Notation
JWKS	JSON Web Key Set
КҮВ	Know Your Business
КҮС	Know Your Customer
LEI	Legal Entity Identifier
LOU	Local Unit Operator
OIDC	OpenID Connect
OIDC IDA	IDA OpenID Connect for IDentity Assurance
ОР	OpenID Connect Provider
OS	Open Source
RP	Relying Party
SAML	Security Assertion Markup Language
VM	Virtual Machine
WG	Working Group

Document name:	D5.1 Test Preparation and Execution report			Page:	7 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## Executive Summary

The main goal of the Deliverable "D5.1 Test Preparation and Execution report" is to provide a precise description of the actions performed during Activity 5 "Testing of cross-border transactions and access to 360kompany electronic services".

As stated in the Grant Agreement, "the first testing phase will be carried out with the eIDAS preproduction infrastructure to technically validate the connection to the eIDAS business facility of Adacom, using test credentials. Once this level of testing is successfully completed, the validation with the eID core service platform (production level) will be carried out to demonstrate the cross-border authentication".

This Deliverable presents the test plan that was followed in order to achieve the aforementioned goals in both pre-production and production levels and reports the results of the execution of the test plan as well as their documentation.

Document name:	D5.1 Test Preparation and Execution report			Page:	8 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## 1 Introduction

The aim of Activity 5 is to establish if 360kompany services have been successfully integrated with the GRIDS platform and therefore with the eIDAS Network and to check if requirements have or have not been met for the services and the end-users.

Software testing is used to check whether the actual results match the expected results and to ensure that the tested software is defect free. Testing is also used to validate the proper function of an application. Nevertheless, testing is used to check how the application behaves when possible errors might be generated in the runtime application (e.g. wrong user inputs, timeout, etc.).

Testing is important because if there are any bugs or errors in the software, they can be identified early and fixed before the software product is delivered. A properly tested software product can ensure dependability, security, and high performance, which can lead to time savings, cost effectiveness, and customer satisfaction - especially when automated testing is used. With the possibility to run multiple tests automatically and quickly, even periodically and continuously, the testing process becomes more reliable, consistent and efficient.

Though the main benefit of testing involves error rectification and debugging, testing also helps businesses understand an actual and expected outcome so that they can improve the quality of their services in general.

#### 1.1 Purpose of the document

This deliverable "Test Preparation and Execution report" is the verification of the Milestone 11 of the GRIDS project, associated with the Task 5.1: Preparation of tests in pre-production and production and Task 5.2: Execution and documentation of tests.

The work undertaken within the framework of Tasks 5.1 and 5.2 evaluates the functionality and the impact of the GRIDS platform as well as the services connected to the platform and provided by the 360kompany.

#### 1.2 Relation to other project work

The activities described in this document relate the testing of the GRIDS Platform with:

- What was designed in Activity 2 (Business Requirements, Technical Design and Integration Planning);
- The 360kompany services which were customized and integrated with the GRIDS Platform in Activity 3 (End user services customization and integration of the project);
- What was defined in Activity 4 (End User APIs for Business Users of GRIDS Services).

Further, the outcomes of Activity 5, described in this document, will be further exploited in Activity 6 Enhancing critical private sector with eID. Sustainability, dissemination and road mapping of the project.

Document name:	D5.1 Test Preparation and Execution report			Page:	9 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



#### 1.3 Structure of the document

This document is structured in 6 major chapters.

- **Chapter 2** provides an overview of the GRIDS platform, its functionality and describes the business use cases that will serve as a basis for the testing of the GRIDS platform and its services.
- **Chapter 3** presents the testing methodology that was followed in the pre-production and production testing.
- **Chapter 4** provides the preparation of tests in pre-production and production environment.
- **Chapter 5** provides the execution and documentation of the performed tests in pre-production and production environment.
- Chapter 6 concludes the document.

Document name:	D5.1 Test Preparation and Execution report			Page:	10 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## 2 GRIDS overview

GRIDS is developing a business infrastructure that facilitates the cross-border acceptance of eidentification and remote Know Your Customer (KYC) and Know your Business (KYB) processes where the aim is to enable its consumers to identify their customers digitally in compliance with anti-money laundering and data protection requirements, making full use of the electronic identification and authentication tools provided under eIDAS.

In this capacity, GRIDS attempts to simplify the online remote on boarding of individual and business customers and as a result enable business platforms to enlarge their customer base across borders providing access to a secure digital environment where transaction participants are reliably identified and authenticated and where personal data protection principles are enforced and embedded in the interoperability frameworks.

#### 2.1 GRIDS functionality

Essentially, GRIDS establishes a business network or federation between:

- KYC providers (Data Providers);
- Customers from the financial, telecom and e-commerce sectors (Data Consumers);
- End-users or Clients of the above industries (Data Subjects).

Inside this federation the identity information, i.e. the result of the eIDAS eID authentication process obtained at one participating node of the federation, can be securely propagated to other nodes to bundle it with the KYC data of the Data Subjects and finally return it to the Data Consumer (DC), as per the following diagram (Figure 2-1).



Figure 2-1: GRIDS Platform

Document name:	D5.1 Test Preparation and Execution report			Page:	11 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



As a result, GRIDS offers a one-stop-shop solution for a complete and accurate KYC/KYB screening including not only company information and documents (such as name, register number, country, jurisdiction, court or legal form) but also the identification of legal and natural persons through effective access to the cross-border functionalities of a well-established eID DSI and eIDAS core service platform.

The GRIDS platform flow is presented in detail in Annex I: GRIDS Platform flow. For more information about GRIDS architecture, please see Deliverable D2.1 [1].

#### 2.2 GRIDS Business use cases

With the ultimate goal of demonstrating the applicability and benefits of the GRIDS architecture for obtaining KYC/KYB information in conjunction with cross-border eIDAS eID services in processes of private companies in different countries, the following use cases presented in this section have been defined in Activity 4 of the project and were used as the basis for testing the proper function of the GRIDS solution. Below are presented the use cases defined:

1. On boarding of business accounts by Banks / Financial Institutions (FIs) (end user: Raiffeisen Bank)

The first use case presents the on boarding process of a bank (or FI) where gathering and validating company details and reports and also identifying and verifying associated natural persons (especially directors and officers acting on behalf of the legal entity) is needed.

2. KYC Data for Legal Entity Identifier (LEI) Checks (end user: WM Datenservice)

The second use case describes the process of applying for a Legal Entity Identifier (LEI). LEI is uniquely connected to key reference information of legal entities. Before issuing any alphanumeric code the various Local Unit Operators (LOU) need to perform quick and exhaustive checks and validations not only regarding up-to-date company details, data and documents, but also with respect to the signing authority.

3. KYC Checks for Business Sectors other than Banking and Finance (end user: Advokat)

The third use case concerns KYC checks, e.g. as Anti Money Laundering (AML) and Due Diligence checks, for other than banking and finance business sectors, such as lawyers, notaries, etc., which are required by law or might be voluntary and for which access to up to date and primary source data is needed.

#### 2.2.1 Use casese Requirements

The use cases have the following requirements from a KYC/B perspective:

- Validate the natural person's identity
- Validate the existence and details of the company
- Validate the relationship of the natural person to the company
- Ascertain whether an LEI should be issued (use case 2)
- Complete the on boarding

#### 2.2.2 Use cases eIDAS attributes

The natural person eIDAS attributes required to be collected for the use cases are as follows:

- person\_identifier
- given\_name
- family\_name

Document name:	D5.1 Test Preparation and Execution report			Page:	12 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



• **Birthdate** (use case 1)

#### 2.2.3 Use cases KYC attributes

The KYC attributes required to be collected are as follows:

- legal\_name
- legal\_person\_identifier (assumed to be in the format XX-abcdef where XX is the 2-digit jurisdiction code this should be collected in 2 fields, Country of Registration and registration number.
- The registered address, mapping to 'address'
- **business\_role** (defines the relationship between the natural person and the legal entity i.e. the authority the natural person claims to have to apply for the service on behalf of the company. This could be a freeform entry field or drop down with following values:
  - 1. Owner
  - 2. Shareholder
  - 3. Managing Director
  - 4. Director
  - 5. Secretary
  - 6. Other Person Authorised
- **lei** (if one already exists, use case 2)

Extra fields which may be collected but are not mandatory are (use case 1):

- The **Gleif LEI** mapping to 'lei';
- A tax registration number mapping to 'vat\_registration';
- A local register for jurisdictions which have multiple registers, e.g. Germany mapping to 'sub\_jurisdiction';

Extra data which may be requested from the DP (rather than validated) would include (but not necessarily all fields would be filled, use case 1):

- Sic;
- trading\_status.

#### 2.2.4 Use cases flow (user centric view)

The (generic) flow of the use cases from the user perspective is defined as follows:

- 1. User reaches the Data Client and selects to register in order to use a service<sup>1</sup>;
- 2. User is requested to provide details of their company and agree to the privacy policy and to the use of their details;
- 3. User agrees to proceed via a submit button;
- 4. User is redirected to the eIDAS Node connected to the SP hub;
- 5. User selects their country of origin and authenticates against the appropriate IdP;

<sup>&</sup>lt;sup>1</sup> E.g. apply for a new bank account (use case 1), register an LEI (use case 2) or register online with a Legal Service Provider as a representative of a legal entity legal firm (use case 3).

Document name:	D5.1 Test Preparation and Execution report			Page:	13 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



- 6.  $DC^2$  presents the user with the outcome;
- 7. User agrees to the terms of service via a Finish button.

For more information about the Business Use Cases, please see Deliverable D4.1 [2].

<sup>&</sup>lt;sup>2</sup> E.g. Bank or LOU

Document name:	D5.1 Test Preparation and Execution report			Page:	14 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## 3 GRIDS testing methodology

#### 3.1 Software testing life cycle

Software testing life cycle (STLC) is part of the Software development life cycle (SDLC). SDLC plays an important role in complete software development and STLC confines to the testing phase. Essentially, software testing life cycle identifies what test activities to carry out and when to accomplish those activities. STLC has the following 6 phases (see figure below):



Figure 3-1: Software development life cycle vs Software testing life cycle (source: https://www.softwaretestingmaterial.com/sdlc-vs-stlc/)

The first step of the software testing is the requirements analysis phase, where all the necessary requirements are gathered in terms of what will be tested. Next, in the test planning phase the testing strategy is defined, that is followed by the test case development. Following, comes the environment setup step and after that the execution of the tests. The final step of the software testing life cycle is the test cycle closure where the testing results are gathered and reported.

There are two types of testing, manual and automated testing. Testing of software is performed manually when no automation tools or applications are used, while automation testing is an automated technique where the tester writes scripts (or test cases) and uses suitable tools to run them in order to test the functionality of the software. Basically, the latter is an automated process of the first type of testing. Some of the state of the art automation testing tools include: Katalon studio<sup>3</sup>, Selenium<sup>4</sup>, TestComplete<sup>5</sup>, Ranorex<sup>6</sup>, etc. which vary in their support for mobile and web testing, operating systems and browsers.

While both manual and automated testing is necessary in order to fully test a product, manual testing allows for human observation, which helps to achieve user-friendliness and high customer experience and is more suitable for exploratory, usability and ad hoc testing while automated testing is more suited for repeated critical functional test cases.

<sup>&</sup>lt;sup>6</sup> Ranorex webpage: <u>https://www.ranorex.com/</u>

Document name:	D5.1 Test Preparation and Execution report			Page:	15 of 27
Reference:	D5.1	Version:	1.0	Status:	Final

<sup>&</sup>lt;sup>3</sup> Katalon studio webpage: <u>https://www.katalon.com/</u>

<sup>&</sup>lt;sup>4</sup> Selenium webpage: <u>https://www.selenium.dev/</u>

<sup>&</sup>lt;sup>5</sup> TestComplete overview: <u>https://smartbear.com/product/testcomplete/overview/</u>



Some of the benefits of automation testing are the following:

- Simplification of test cases execution
- Reliability of test results
- Less maintenance cost of testing
- Increased amount of test coverage
- Accuracy of tests
- Increased speed of test execution

In GRIDS both manual and automated testing is used. Automated testing is used during the first phase of the testing methodology, which is carried out at the eIDAS pre-production infrastructure, using test credentials. In the next phase the validation with the eID core service platform at the production level is carried out using manual testing and real eID credentials.

#### 3.2 Automated testing software

In the context of the GRIDS project, for testing the cross-border transactions and access to 360kompany electronic services in pre-production environment, Katalon studio tool is used, as it acts as a general-purpose tool to perform the automatic testing of web applications and web-based composite services, even if they span multiple pages and use complex interactions (like pop-up windows and modular messages).

In detail, Katalon is a freemium test automated application built on top of the testing automation opensources frameworks, Selenium and Appium . Katalon Studio allows users to automate test scripts and run them across different browsers and operating systems while providing a specialized IDE interface for API, Web and Mobile testing.

Katalon simulates a user's actions while providing features for automated screenshots or recordings and creating test reports. It follows steps, predefined either by recording a user's actions or by scripting them manually. These series of tests will follow the actions a user would normally do manually when accessing 360kompany services' (integrated with GRIDS) functionality.

The biggest benefit from automated testing is that it makes it easier to run multiple tests automatically and quickly (eventually periodically and continuously, in a predefined time scale). It also allows for larger test coverage across different web environments which should effectively interoperate to provide a consistent user experience.

The automated testing of the GRIDS infrastructure is not a trivial task. Its testing requires the simulation of simultaneous flows working together and depending on one another. Additionally, due to GRIDS dependency on external sources (eIDAS, DPs etc.) extensive error handling tests are required. Finally, all tests need to execute fail-safe conditions in order to find, record and overcome errors to ensure the readiness of the GRIDS infrastructure.

Document name:	D5.1 Test Preparation and Execution report			Page:	16 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



#### 3.3 Testing documentation

In both manual and automated testing, the documentation of the performed tests includes first of all the test plan or test document, which provides the outline strategy which will be implemented for testing the application. Following there are the test scenario(s), which can be considered as a single line statement which notifies the area in which the tested application will be experimented. Next, we have the test cases which engage in collected steps and conditions with inputs which can be implemented at the time of testing (Figure 3-2). Finally, we have the traceability matrix which is a table which sketches the requirements when the product's Software Development life cycle is being created.



Figure 3-2: Test plan, test scenario and test cases relationship (https://www.javatpoint.com/test-scenario).

Document name:	D5.1 Test Preparation and Execution report			Page:	17 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



# 4 Preparation of tests in pre-production and production

#### 4.1 Pre-production testing

In order to demonstrate the proper integration of the GRIDS solution with the eIDAS infrastructure in pre-production environment, a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian" was developed.

GRIDS KYB Custodian reuses and extends the architecture and the core components of GRIDS project infrastructure and connects, through GRIDS APIs, with the Data Providers, provided by Kompany, which reproduce the business functionality of a real KYC provider. For more information about the functionality of the GRIDS KYB Custodian please see Annex 2: GRIDS KYB Custodian functionality.

Note that for the needs of the pre-production testing, the functionality of the GRIDS KYB Custodian was tested using 1 Data Provider with test KYB data associated with test (eIDAS eID) users.

In detail, Activity 5 has defined the following **test scenario**, as per the following table (Table 4-1):

#### Table 4-1: Pre-production test scenario

Test Scenario ID	Test Scenario Description
TS1.1	User (a representative of a company) wants to retrieve their eIDAS
	and KYB attributes and generate their KYB profile

In addition, in order to check if the use cases Requirements (section 2.2.1) have been met or not by the project, 4 **error handling test scenarios** were defined covering the failure states of the system, as per the following table (Table 4-2):

#### Table 4-2: Pre-production error-handling test scenarios

Test Scenario ID	Test Scenario Description
TS2.1	Not able to validate the natural person's identity
TS2.2	Not able to validate the existence and details of the company
TS2.3	Not able to validate the details of the company
TS2.4	Not able to validate the relationship of the natural person to the
	company

#### For each test scenario, the following **test cases** have been defined (Table 4-3, Table 4-4):

#### Table 4-3: Pre-production test case

Test Scenario ID	Test Case ID	Test Case Description
TS1.1	TC1.1.1_KYB_Custodian_Login	The user follows the basic login flow without the registration option

#### Table 4-4: Pre-production error-handling test cases

Test Scenario ID	Test Case ID	Test Case Description
TS2.1	TC2.1.1_NP_NO	The user fails to authenticate via eIDAS eID

Document name:	D5.1 Test Preparation and Execution report			Page:	18 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



TCOO	TC2 24 CO NO	
152.2	TC2.2.1_CO_NO	The company does not exist
TS2.3	TC2.3.1_CO_NO	Company's identifier does not match the
		provided one
TS2.4	TC2.4.1_NP_CO_NO	The user is not related with the specified
		company

#### 4.2 Production testing

TS1.3

Based on the model of the GRIDS KYB Custodian, 3 Demo 360kompany electronic services were developed which implement the functionality of the use cases presented in section 2 and demonstrate the application potential of GRIDS.

Note that for the needs of the production testing, the functionality of the 3 Demo 360kompany electronic services was tested using 2 2 Data Providers (DPs) with partial test KYB data associated with real eIDAS eID users.

In detail, Activity 5 has defined 3 test scenarios, as per the following table (Table 4-5):

# Test Scenario IDTest Scenario DescriptionTS1.1User (a representative of a company) wants to open a bank account<br/>(of behalf of that company)TS1.2User (a representative of a company) wants to apply for an Legal<br/>Entity Identifier

Table 4-5: Production test scenarios

For each test scenario, the following test cases have been defined (Table 4-6):

#### Table 4-6: Production test cases

User wants to register online as a representative of a legal entity

Test Scenario ID	Test Case ID	Test Case Description
TS1.1	TC1.2.1_RBI_Register	User accesses the service starting page in order begin the registration process and open an institutional account
TS1.2	TC1.1.1_Wmd_Register	User accesses the service starting page in order begin the registration process and open an institutional account
TS1.3	TC1.3.1_ADVOKAT_Register	User accesses the service starting page in order begin the registration process and open an institutional account

Finally, in order to have a complete testing at the production level, an **"in vivo"** demonstration of the GRIDS Services to real companies and their representatives was organized in Kompany's premises for giving their feedback from their business-oriented perspective.

Document name:	D5.1 Test Preparation and Execution report			Page:	19 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## 5 Execution and documentation of the tests

#### 5.1 Pre-production testing (automated)

#### 5.1.1 Test users profiles

For the execution of the aforementioned test cases in pre-production, eIDAS eID test credentials were used as explained in the table below (Table 5-1):

User A	User B	User C	User D	User E
GR eIDAS eID	IT eIDAS eID	EE elDAS elD	SE eIDAS eID	SI eIDAS eID

Each of the test users were associated with test company data and were registered as authorized company representatives.

Below is included the test user profile of **User A** for example (Table 5-2):

Table 5-2: Test user profile (User A)

Attribute Name	Attribute Value	Attribute Source	Optional
nationality	GR		
person_identifier	GR/GR/11111	eIDAS	N
given_name		eIDAS	N
family_name		eIDAS	N
birthdate		eIDAS	N
legal_name	UK TEST COMPANY 1	kompany	N
legal_person_identifier	TEST0001	kompany	N
jurisdiction code	UK	kompany	N
business_role	Director	kompany	N
address	1 London Street, London, L1 L1, England	kompany	Y
lei		kompany	Y
'vat_registration'		kompany	Y
'sub_jurisdiction'		kompany	Y
sic	62090	kompany	Y
trading_status	LIVE	kompany	Y

#### 5.1.2 Automated Tests Execution Results

The test cases presented in chapter 4.1 have been executed in repeated cycles with the use of Katalon studio, until all discovered issues have been resolved and all tests pass successfully.

A report describing the pre-production tests in detail, summarizing the results of all test cases and providing a complete testing report per case can be found in Annex 3: GRIDS Activity 5 testing .

Document name:	D5.1 Test Preparation and Execution report			Page:	20 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



See in particular, sheets (tabs):

• Pre Production Testing - columns S-W (Automated Test Report URL User A-User E)

**Note:** Each Automated Test Report includes a report of the test logs (in pdf format) and a recording (in avi format) of the performed test.

#### 5.2 Production testing

#### 5.2.1 Test users profiles

For the execution of the aforementioned test cases, eIDAS eID production credentials from 5 different EU countries were used, as explained in the table below (Table 5-3):

Table 5-3: Test Users (with real eIDAS eID credentials)

User A	User B	User C	User D	User E
EE eIDAS Eid	ES eIDAS eID	IT eIDAS eID	CZ eIDAS eID	BE eIDAS eID

#### 5.2.2 Production Tests Execution Results

The production test cases have been successfully executed, in two or three cycles, until the few discovered issues at this testing stage have been resolved.

A report summarizing the results of the production test cases and providing a **test folder per case** which includes all the screenshots the real test users have captured while testing the GRIDS Services can be found in Annex 3: GRIDS Activity 5 testing .

See in particular, sheets (tabs):

• Production Testing - columns R-V (Production Test Report URL Users A-E)

Finally, after the live demo of the GRIDS services in Kompany's premises, the representatives of the companies were asked to answer a set of questions, which together with their responses can be found in Annex 4: GRIDS Customer Questionnaire (and responses).

Document name:	D5.1 Test Preparation and Execution report			Page:	21 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## 6 Conclusions

In this deliverable we gave an overview of the GRIDS solution, we briefly presented the Business Use cases that implement its functionality, we defined the outline strategy which will be implemented in order to validate the cross-border transactions and access to the GRIDS services and we presented the results of the execution of the pre-production and production tests.

Specifically, in production two types of test were conducted:

- 1. Access to 360kompany electronic services by real users, holders of eIDAS eID identities which were assigned with test company data.
- 2. An "in vivo" demonstration of the GRIDS Services to real companies and their representatives.

Concluding, we report that both the automated and production tests were completed successfully thus proving the proper function of the GRIDS Platform and the GRIDS services, despite the difficulties encountered mostly regarding the limited connectivity of the Greek eIDAS node with the other eIDAS nodes at the production level which made unfeasible the testing of the GRIDS Services by business users.

Furthermore, the demonstration of the GRIDS services to real companies, showed a positive response from them on the key aspects of the GRIDS infrastructure and strong willingness to use such products provided there are eIDAS eID connections with their countries of origin.

Document name:	D5.1 Test Preparation and Execution report			Page:	22 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## 7 References

- [1] **GRIDS** Project, **D2.1** Business Services and Technical Architecture, Cristina Andreoli and Davide Zannirato, 2021.
- [2] **GRIDS** Project, **D4.1** Business Use Case Definition, Cristina Andreoli and Dominik Tiefenbacher, 2021.

Document name:	D5.1 Test Preparation and Execution report		Page:	23 of 27	
Reference:	D5.1	Version:	1.0	Status:	Final



## Annex I: GRIDS Platform flow

The flow of the GRIDS Platform is the following:

- 1. DC sends the eIDAS natural person identity + KYB claims Request to the BAA
- 2. BAA processes the response, adds the KYC sources and returns the full identity token and distributed claims request in a self-describing access token to the DC
- 3. BAA handles the request and interaction with the SP hub
- 4. After a successful eIDAS communication, eIDAS sends the authentication back to the BAA
- 5. The DC queries the Data Provider(s) user info endpoint for each of the returned distributed claims requests with the corresponding Access token
- 6. The DP queries the DC for its JWKS information
- 7. The DC replies
- 8. The DP obtains relevant data and validates the claims as appropriate. For the natural person eIDAS information passed in, that will include comparing the known people associated with the company with the information provided.
- 9. The DP uses that to encrypt the KYC response and sends back to the DC

Document name:	D5.1 Test Preparation and Execution report			Page:	24 of 27
Reference:	D5.1	Version:	1.0	Status:	Final



## Annex 2: GRIDS KYB Custodian functionality

The "GRIDS KYB Custodian Demo Case" is added at the end of this file<sup>7</sup> as an annex document to deliverable D5.1.

<sup>&</sup>lt;sup>7</sup> The pdf file of this annex is only available in the PDF version of D5.1

Document name:	D5.1 Test Preparation and Execution report		Page:	25 of 27	
Reference:	D5.1	Version:	1.0	Status:	Final



## Annex 3: GRIDS Activity 5 testing results

The "Grids Activity 5 testing table" is added at the end of this file<sup>8</sup> as an annex document to deliverable D5.1.

Reports with the results of the automated test on pre-production environment are added at the end of this file. Recordings of the automated tests are also provided as a zip file.

Instructions for the real testing process are added at the end of this file.

Screenshots as evidence of the services tested by real users are added at the end of this file.

 $<sup>^{\</sup>rm 8}$  The pdf file of this annex is only available in the PDF version of D5.1

Document name:	D5.1 Test Preparation and Execution report		Page:	26 of 27	
Reference:	D5.1	Version:	1.0	Status:	Final



## Annex 4: GRIDS Customer Questionnaire (and responses)

Responses to this questionnaire from the 3 end users are added at the end of this file<sup>9</sup> as an annex document to deliverable D5.1.

<sup>&</sup>lt;sup>9</sup> The pdf file of this annex is only available in the PDF version of D5.1

Document name:	D5.1 Test Preparation and Execution report		Page:	27 of 27	
Reference:	D5.1	Version:	1.0	Status:	Final





## increasinG tRust with eld for Developing buSiness

## **GRIDS KYB Custodian Demo Case**

Document Identification					
Status	Internal	Date	29.11.2021		
Version	3.1	Authors	N. Triantafyllou (UAegean   i4m Lab)		
			K. Ksystra ((UAegean   i4m Lab)		
			C. Bitsikas (UAegean   i4m Lab)		
			P. Bainbridge-Clayton (Kompany)		
			P. Kavassalis (UAegean   i4m Lab)		

This document is issued within the frame and for the purpose of the GRIDS project.

This project has received funding from the European Union's Innovation and Networks Executive Agency – Connecting Europe Facility (CEF) under Grant Agreement No INEA/CEF/ICT/A2019/1926018; Action n<sup>o</sup> 2019-EU-IA-0044.



The opinions expressed and arguments employed herein do not necessarily reflect the official views of the European Commission.

Notice: This document and its content are the property of the GRIDS Consortium. All rights relevant to this document are determined by the applicable laws. Access to this document does not grant any right or license on the document or its contents. This document or its contents are not to be used or treated in any manner inconsistent with the rights or interests of the GRIDS Consortium or the Partners detriment and are not to be disclosed externally without prior written consent from the GRIDS Partners. Each GRIDS Partner may use this document in conformity with the GRIDS Consortium Grant Agreement provisions.

1. Introduction	3
1.1 Recent Developments in Customer Due Diligence processes	4
1.2 Know Your Business (KYB) vs Know Your Customer (KYC)	4
1.3 Demo Case: GRIDS KYB Custodian (Business Identity Provider)	5
2. GRIDS, KYB Custodian and Services	6
3. KYB Custodian: Query for Corporate Customer Data (KYB/KYC screening)	9
3.1 Regular flow	10
3.2 Flow for using and updating an existing institutional account	11
3.3 Other variations of the Regular Flows	12
3.3.1 eIDAS Network authentication failure	12
3.3.2 Company not registered in any of the connected DPs	13
3.4 Data Exchange Models	13
3.4.1 DC to KYB Custodian Message Request	13
3.4.2 KYB Custodian to DP Message Request	14
3.4.3 DP to KYB Custodian Message Response	15
3.4.4 KYB Custodian to DC Message Response	16
3.5 UI Design	18
3.5.1 Init Service Provider Interfaces (SP/DC)	18
3.5.1.1 UI1.0 Case Presentation Interface	18
3.5.1.2 UI1.1 SP Service Landing Page	19
3.5.1.3 UI1.2 Institutional Client Registration Notification	19
3.5.2 KYB Custodian Interfaces	20
3.5.2.1 UI2.1 Company Declaration/Verification Interface	20
3.5.2.2 UI2.2 DS authentication via GRIDS (eIDAS Network)	21
3.5.2.3 UI2.3 Mandate Validation Form	21
3.5.2.4 UI2.4 Present the DS with the KYB attributes of their Organization (after DF query)	כ 22
(Optional) 3.5.2.5 UI2.5 After Opting in for Registering at the Verifiable KYB Public Registry	24
(Optional) 3.5.2.5 VC Invitation email (in the case the DS has already accepted to publish the KYB profile of their Company as verifiable data)	24
3.5.3 Return to Service Provider (SP/DC)	25
3.5.3.1 UI3.1 Redirection to SP	25
3.5.4 Terminate End Event Message	26
3.5.4.1 UltendevTerminate End Event Message (Page Design and Text)	26
4. KYB Custodian: Issue a KYB Verifiable Identity for a Company	27
4.1 Regular flow	28

<ul><li>4.3 Other variations of the Regular Flows</li><li>4.4 Data Models</li></ul>	28 29
4.5.0 UI0 VC Invitation email	31
4.5.2 UI2 DS authentication via GRIDS (eIDAS Network)	32
4.5.4 UltendevTerminate End Event Message (Page Design and Text)	33
4.6 Alignment with EBSI	33
5. KYB Custodian: Verifiable KYB Public Registry	34
5.1 Regular flow	35
5.2 Data Models	36

#### 1. Introduction

#### 1.1 Recent Developments in Customer Due Diligence processes

The recent eIDAS 2.0 (presented at the 3rd of June 2021) and AMLR (presented at the 20th of July 2021) announcements made by the EC early this summer<sup>1</sup> have intensified the discussion around how natural and legal persons should be able to authenticate online and offline. The newly proposed direction aims to allow the natural and legal persons to access (both public and private) services in a way that ensures that the user's data is always under their control.

Furthermore, this new type of authentication method is designed so that it guarantees compliance with AMLR offering high LoA for all interactions without sacrificing user convenience. The aforementioned feature will of course secure KYC/KYB processes and lead to the reduction of procedures and costs.

As a result of the new regulations two models for CDD portability can be identified<sup>2</sup>:

- **Delegated custody model (federation)**: In this approach the CDD data is maintained by qualified third-parties. This is the typical scenario that is applicable in most cases today.
- <u>User-centric custody model (distributed)</u>: Under the new eIDAS 2.0 proposal users are able to store their CDD in their European Digital Identity Wallets (EDIWs) in such a way that disclosing them does not require the involvement of a trusted third party (custodian). In other words CDD Data communications with relying parties originate from the wallet.

Of course even on the user-centric model the CDD attributes of the users need to be verified and securely transferred and stored in the EIDWs. As a result, the Issuers of such attestations become a mandatory, and in need of strict operating regulation, component of the system. Specifically, for such a system to operate a trust network must be built around authorized issuers of CDD attributes. This network can be safeguarded with existing trust building mechanisms (e.g. eIDAS trust list for QTSPs etc.<sup>3</sup>). Finally, in this new user centric custody model all activities require the interaction with the users EDIW (which ensures strong customer authentication). As a result, the explicit consent of the user is guaranteed as no disclosure of attributes is possible without the user authorizing it.

#### 1.2 Know Your Business (KYB) vs Know Your Customer (KYC)

Know Your Business (KYB) refers to a process similar to the better known process of Know Your Customer (KYC), i.e. the actions required to be carried out by certain companies such as banks

<sup>&</sup>lt;sup>1</sup> <u>https://www.politico.eu/wp-content/uploads/2021/06/03/amdening-regulation.pdf</u>

<sup>&</sup>lt;sup>2</sup>DEVELOPING A DIGITAL IDENTITY SOLUTION FOR USE BY THE FINANCIAL SECTOR BASED AROUND eIDAS TRUST SERVICES, FISMA/2020/023/B3/SE/LV CONTRACT

https://ronny-khan.medium.com/the-next-frontier-from-digital-identification-to-digital-validation-41b89f430c ca

etc. to verify the identity of a new client (customer onboarding). The difference between KYB and KYC is that of intent. While KYC is focused on verifying the identity of an individual, KYB is focused on verifying the identity of a company. As a result KYB mainly deals with the following steps:

- Verifying the identity of the business
- Verifying the identity of the business's legal representative and
- Verifying their connection with the customer company

Thus, a KYB Custodian in essence implements a KYC attribute Custodian or KYC utility service. These type of services (either decentralized or centralized) enable the generated portable KYB profile to be accepted across jurisdictions and greatly facilitate the cross border B2B interactions especially for SMEs which produces significant cost reductions for the financial sector as analyzed in a relative EC report<sup>4</sup>. Especially, in light of the aforementioned upcoming advancements (in both a regulatory and technical perspective) a portable KYB profile is required more than ever.

#### 1.3 Demo Case: GRIDS KYB Custodian (Business Identity Provider)

This document describes the technical organization of a KYB Custodian which adopts the GRIDS technology stack to offer to companies and public organizations, a novel service that allows for:

- a. The collection of a set of business attributes which populate a **KYB data profile**, by contacting different Data Providers (DPs).
  - i. Technologies that are used: a) GRIDS technology stack (BAA, SB Hub, DC Connector, DP APIs)<sup>5</sup>
- b. The storage of this KYB profile as "Verifiable Data" and, next to an explicit request submitted from the legal representative(s) of the company, the issuance of a portable **business identity**, in the form of a **standardized**, **minimum**, **KYB identity**.
  - i. Technologies that are used: GRIDS technology stack, Verifiable Credentials and the Blockchain

The KYB Custodian service interacts with end-users, mainly, a) Service Providers (SPs), which have the need, or the obligation by the law, to verify the legitimacy of a corporate customer, and b) Data Providers, to retrieve KYB data for the corporate customers of a partner SP. As a result the following **business roles** are assumed in the rest of this document:

<sup>&</sup>lt;sup>4</sup> See in particular,

https://ec.europa.eu/info/sites/default/files/business\_economy\_euro/banking\_and\_finance/documents/ass essing-portable-kyc-cdd-solutions-in-the-banking-sector-december2019\_en.pdf

<sup>&</sup>lt;sup>5</sup> Reference: GRIDS D2.1 Business Services and Technical Architecture, available at https://newrepository.atosresearch.eu/index.php/f/1088702

- **KYB Custodian**: The provider of a digital "KYB/KYC screening" service: We assume that this KYB Custodian primarily addresses the needs of the following user groups:
  - Financial Institutions, utility and e-commerce providers, and other Service Providers, qualified to query information about a company/organization, eventually in the context of a compliance due diligence process and beyond
  - Companies represented by an Individual (legal or any other authorized representative) which access directly the services of a Custodian KYB to issue a trustworthy "standard KYB identity" that can be credibly used to transact with Service Providers (for example, if the want to build a cryptocurrency portfolio)
- **SP or DC:** Service Provider or Data Consumer, an entity providing FinTech services to corporate customers, which partners with the KYB Custodian to operate KYB/KYC checks in a compliant way with regulations in force
- **Company or Corporate Customer (Data Subject)**: A Legal Entity that accesses the service of an SP (DC) in partnership with a KYB Custodian
- Legal Representative : A Natural Person representing a Legal Entity
- **DP** (Data Provider): A Provider of corporation-related data giving access to their registries containing KYB information about Companies and Public Organizations

More precisely, a KYB Custodian provides the following three business process models:

- 1. **Query for Corporate Customer Data** (KYB/KYC screening): Implementing a **delegated CDD process**, on behalf of a partner SP.
- 2. **Issue a KYB Verifiable Identity for a Company**: Enabling a **Company (DS) to generate Verifiable Identity Credentials (VCs)**, implementing a portable KYB business identity (i.e. , a standard KYB profile), and store them in the Identity wallet of their Legal Representative (EDIW).
- 3. Verifiable KYB Public Registry: Storing a KYB profile (created through a SP or a DS request) in the form of Verifiable Data, thus enabling the instant retrieval of the KYB profile of an organization; this gives Companies a place to issue public verifiable business identities, and Regulation Supervision Authorities, government bodies and other qualified users, the possibility to receive proofs of verifiable KYB attributes, without requiring Companies to have their own wallets and the institutional users of Companies' identity proofs to run specific software agents for VC verification.

## 2. GRIDS, KYB Custodian and Services

KYB Custodian is a type of financial intermediary implementing KYC processes, that means performing Customer Due Diligence (CDD), on behalf of Service Providers (SPs) offering services which require the verification of the identity of the client. CDD may be performed

because the AML regulation requires Service Providers to ensure customers are who they're claiming, or because there is a need for a Service Provider to comply with other domain specific

rules of conduct. In many cases, however, compliance is not the main motivation for CDD; cryptocurrency exchanges for example, a thriving online SP, should add identity verification to help reduce money laundering and stay ahead of the regulation (anticipating compliance)<sup>6</sup>.



A KYB Custodian is not after all a new species. What is essentially "new" is the digitization of the CDD process and the progressive implementation of "automated KYC" processes. Traditionally, KYC/KYB processes are heavily dependent on human agents performing manual tasks such as data sorting, data entry, error-rectification and approvals -- eventually with the use of an online channel that instructs the Data Subject to fill in their identity data required in an online form and upload the required documents. But, progressively traditional KYC is replaced by paperless, digital, networked processes, with KYC automation and integration becoming the major current and future trends. Automating KYC data collection and integration to provide KYB on demand, and synchronizing between KYB and KYC information, might essentially enhance existing processes and systems in terms of gathering information faster and more efficiently and, certainly, allows organizations to streamline the customer serving processes and effectively screen and monitor for regulation compliance. In this perspective, GRIDS has created the network infrastructure to establish a digital business network between Service Providers and KYC Providers (including the Business Registries, or Data Providers, from where KYC Providers retrieve business data).

The described in this document Demo KYB Custodian (GRIDS KYB Custodian) adopts the system architecture provided by GRIDS, and more specifically the following GRIDS components<sup>7</sup>: BAA, DC client, DC Connector (OIDC), DP Connector (DP APIS), SP Hub. The GRIDS KYB Custodian establishes an OIDC Connection to client SPs, to help them offering to their corporate customers bundled one-stop solution for KYC & KYB screening by:

- Identifying companies representatives (natural perrons) through the eIDAS Network
- Accessing company information directly from official primary sources around the world (in connection with the infrastructure of Kompany, a proprietary, global coverage network to KYB data of more than 100 millions companies).

<sup>&</sup>lt;sup>6</sup> Acuant, 2021, The Importance of KYC in Cryptocurrency, available at <u>The Importance of KYC in</u> <u>Cryptocurrency - Acuant</u>

<sup>&</sup>lt;sup>7</sup> Reference: GRIDS D3.1 Business Attribute Aggregation (BAA), available at: https://www.grids-cef.eu/node/176



In more detail, the GRIDS KYB Custodian operates as follows:

It receives requests from a Demo Service Provider (CryptoAegean) to verify the identity of their institutional customers applying for the creation of a cryptocurrency and stablecoin portfolio. In fact, CryptoAegean delegates to GRIDS KYB Custodian the KYB/KYC screening of their customers, by using a standard OIDC interface. SpecificallyQ

- 1. The Legal Representative of a company enters a UI of CryptoAegean and selects to retrieve their KYB identity profile using the Custodian Service.
- 2. This leads to the Legal Representative being redirected (OIDC code flow request) to a UI of the Custodian where they are requested to input the details of the Company they represent (DS) together with their name, surname and an email address.
- 3. Next, the KYB Custodian interacts with the BAA to trigger an eIDAS eID authentication of the Legal Representative and additionally generate a list of Data Providers (DP) that may contain the details of the DS.
- 4. After the eIDAS eID authentication is completed, the Legal Representative is asked to validate their mandate with the DS. Following this, the Custodian service fetches the KYB from file from the DSs and if multiple results are returned merges the responses (in case of conflicts all attributes are added to the KYB profile with an explicit reference to each DP attesting to them).
- 5. The Custodian service prompts the user to add the newly created KYB profile to the Custodians Public Registry of Verifiable Data and eventually redirects the flow back to CryptoAegean together with the KYB profile that was generated.

6. The CryptoAegean service finalizes the flow by informing the Legal Representative of the successful receipt of the KYB profile and detailing the next steps of their onboarding.

The design of GRIDS KYB Custodian is generic enough to support in-vivo service deployments for different Service Provider (or DC - Data Consumer) settings. In fact, the backbone of GRIDS KYB Custodian is used to connect with the prototype clients implementing the three main project Use Cases: i) Onboarding of business accounts from banks and financial institutions – provision of eIDAS-based eID information about directors/officers acting for the legal entity together with KYC information to simplify onboarding of business accounts and minimize risk of fraud and time spend for identification processes (end user: Raiffeisen Bank), ii) KYC data for LEI checks (end user WM Datenservice); iii) KYC checks for other businesses than Banking and Finance (end user Advokat).

## 3. KYB Custodian: Query for Corporate Customer Data (KYB/KYC screening)

The process described below enables a Service Provider (SP) to retrieve the KYB profile of a Corporate Customer from the Data Providers (DPs) that offer identity data for corporate customers, in such a way that a compliance CDD process is greatly expedited. The Corporate Customer (DS) is represented by a natural person (Legal Representative). Furthermore, this flow implements a model of an intermediary capable of conducting compliance processes, i.e., a KYB Custodian, using the GRIDS infrastructure. In other words, this flow is addressed for Service Providers (SP) that: a) offer online services that their customers (DSs) will access but the SP needs to verify their legitimacy -- this is done also by validating the identity of the Legal Representative of the DS, b) delegate the verification process to a KBC Custodian which implements the main functionality of GRIDS (BAA and DP interface). Of course, the SP connects directly to KYC Custodian via an OIDC connection.

As a result, the following assumptions apply:

- The DC operates an online service to DSs that is a "user facing" service. The term denotes that the Legal Representative of the DS is interacting with it via the appropriate interfaces either web or mobile, to provide consent and to authenticate if necessary to authoritative data sources. The affiliation of the natural person with the company must have been documented in one of the Business Registries (DPs) connected to KYC Custodian facilities.
- The DC is technically capable of delegating the KYB attribute retrieval (KYB/KYC check) to the KYC Custodian. More precisely, the DC service is registered with the KYB Custodian implementing an OpenID Connect (OIDC) interface: The DC, a) is issued a clientId/secret pair from the KYB Custodian service, b) has to customize their service to be capable of executing the standard OIDC flows (make requests, parse responses etc).
The KYB Custodian is capable of requesting Corporate Client Profiles from Company Registries (DPs) and process their responses. (This functionality is implemented over the specific DP APIs provided by GRIDS).

### 3.1 Regular flow

At a high level the Query for Corporate Customer Data (KYB/KYC screening) flow consists of the following steps:

### SP (DS)

1. A Company (DS), via its representative (Legal Representative), requests access to a service provided by an SP.

2. To offer the service, the SP needs to conduct a process of due diligence using a partner KYB Custodian. The SP acts as DC to make a KYB request to KYB Custodian (via an OIDC connection), prompts the Legal Representative of the DS to the KYB Custodian's User Interface (in the purpose of identity verification) -- and, finally, accepts the KYB response of the Custodian (together with the DS Legal Representative, who is redirected back to DC premises).

### **KYB** Custodian

3. The KYB Custodian requires the Legal Representative to declare the Company they represent (Company Name, Company Registration Identifier. Country Company of Company Registration, i.e. Company Jurisdiction) and additionally provide their personal information (Name, Surname and an email address).

- 4. The KYB Custodian:
  - a. Initiates an eIDAs eID identification flow (via the GRIDS infrastructure and the eIDAS Network) to authenticate the Legal Representative of the DS.
    - i. The Legal Representative of the DS is authenticated with the eIDAS Network (through the GRIDS SP Hub) and is redirected back to the KYB Custodian (together with the eIDAS eID response
    - ii. The Legal Representative of the DS is requested by the KYB Custodian to verify their relationship with the DS (an act conducted within an eIDAS authenticated session).
  - b. Generates a list of DPs that are able to provide the needed data to complete the KYB profile of the Company represented by the Legal Representative (this is implemented via the BAA Component of GRIDS which is integrated into KYB Custodian's premises). The list of connected DPs includes the required API details to query them (e.g. endpoints, encryption keys, necessary tokens etc.).
  - DP

5. The KYB Custodian queries directly the DP(s) included in the previously received list of available DPs to complete the KYB profile of the DS. In case of multiple DPs the KYB Custodian requests the required KYB attributes from all available DPs. If there are multiple values for the same field, all results are added to the KYB profile of the Company with an indication to the DP the data originates from.

**KYB** Custodian

6. The KYB Custodian prompts the Legal Representative of the Company to store Company's KYB profile in the Public Registry (a service operated by the KYB Custodian), as verifiable

data (optional for the Company representative).



7. The KYB Custodian sends an OIDC response to the DC containing the received KYB attributes, by redirecting the Legal Representative of the DS back to the DC (together with the response)<sup>8</sup>

**KYB** Custodian

Additional functionality (optional):

8. KYB Custodian sends an email to the Legal Representative of the DS prompting them to receive their KYB profile as a Verifiable Credential, in practice enabling the Legal Representative of the Company to generate a **portable KYB identity profile**. If the Legal Representative accepts this invitation, a VC sub-process is initiated as described in Section 4.

Apart from the normal flows described above, special use case scenarios may arise that require additional handling. These additional or alternative process paths are presented below, in Sections 3,2 and 3,3.

# 3.2 Flow for using and updating an existing institutional account

The Legal Representative of a Company accesses the services of a SP, requiring KYB validation, but the Company is already registered in the Verifiable KYB Public Registry. In this case, we assume that the Company has interacted with the KYB Custodian on a previous execution (via a potentially different SP) and has already registered their Company in the public registry. However there is another parameter that needs to be considered:



Exclusive Gateway (XOR): Is the Legal Representative of the Company the same person that has previously registered the Company or it is a different person who acts under the same business role, for

example CFO (which is the case of a change at the management level of the Company), or

<sup>&</sup>lt;sup>8</sup> KYB Profile Data Model:

https://docs.google.com/spreadsheets/d/1C\_ZXornvT86GH70wfuIRPIU-GN5HVBDJhcF-U\_EaJEw/edit#gi d=0

under a different role (which is the case where the legal responsibility of the Company has transferred to another executive of the Company)?

With these assumptions, at a high level, this additional flow is implemented as follows:

- Reference: Regular Flow (Know Your Business | KYB) is executed until Step 6 (including Step 6):
  - a. The KYB Custodian prompts the Legal Representative of the Company to store Company's KYB profile in the Public Registry (a service of the KYB Custodian), as verifiable data (optional for the Company representative).
  - b. The Legal Representative of the Company accepts and registers their company.
- 6a. (Before sending the KYB profile of the Company to DC) The KYB Custodian searches the Verifiable KYB Public Registry for an existing entry for the specified Company.

KYB Custodian

- 6b. The KYB Custodian compares the currently authenticated DS Legal Representative identity with the identity of the person whose identity is stored in the Registry, as part of the Company's KYB profile (by matching the name, surname and date of birth form the response retrieved form eIDAS with the attributes found in the Registry, and the business role attribute, as returned by the DP response) - Exclusive Gateway<sup>9</sup>:
  - $\circ$   $\,$  6b1. The personal identity data sets match each other  $\,$
  - 6b2. The core identity of the two Representatives (the previous and the new one) is different, but they have a business role within the Company which is explicitly mentioned in the DP response (the same role or a different one)
- 6c. The process continues as follows:
  - 6c1. If the response from the above verification is positive, the Verifiable KYB Public Registry is updated, and the existing entry for the specific DS is overwritten.
  - 6c2. If not, the DC and the DS Legal Representative are notified about the issue and the process stops here (terminateEndEvent Message).

# 3.3 Other variations of the Regular Flows

During the Regular Flow, alternative events may occur. These events introduce variations of the Regular flow, at specific points of the process (Exclusive Gateways in the BPMN language<sup>10</sup>) and can be summarized in the following categories:

### 3.3.1 elDAS Network authentication failure

This case can take place if the DS Legal Representative failed to present the required eIDAS eID Credentials to the selected National IdP (the eIDAS eID



<sup>&</sup>lt;sup>9</sup> According to BPMN standards (for an introduction to BPMN, see: D. Brookshier, BPMN 2.0 Tutorial tutorial, available at <u>Microsoft PowerPoint - 14\_MT-2\_Brookshier (omg.org)</u>). <sup>10</sup> ibid.

authentications . As a result, the DC and the DS Legal Representative are notified about the issue and the process stops here (terminateEndEvent Message).

### 3.3.2 Company not registered in any of the connected DPs

DPs connected to GRIDS inforce the following Company Query policy after receiving a KYB attribute retrieval request from the KYB Custodian (Section 3.4).:

- 1. The DP must search for a company using the provided Company Business Identifier (see Section 3.4). If a matching company is found, the DP proceeds to the validation of the request and the preparation of the response.
  - Else proceed to the next step.
- 2. The DP must search for a company using the provided Company Legal Name (see Section 3.4). If a match is found, the DP proceeds to the validation of the request and the preparation of the response.
  - Else, the KYB Custodian receives an empty response.
     As a result, the DC and the DS Legal Representative are notified about the issue and the process stops here (terminateEndEvent Message).

KYB Custodian

# 3.4 Data Exchange Models

This section provides an overview of the KYB Custodian Exchange Data Models.

- 1. Communication between DC and KYB Custodian
  - a. DC ro KYB Custodian Message Request
  - b. KYB Custodian to DC Message Response
- 2. Authentication of DS Legal Representative and Generation of list of DP: Internal Messaging between the different components of the technical architecture of the KYB Custodian
  - a. Input: eIDAS authentication Request & DPs List Response
  - b. Output: eIDAS authentication Request & DPs List Response
- 3. Communication between KYB Custodian and DP
  - a. KYB Custodian to DP Message Request
  - b. DP to KYB Custodian Message Response

#### 3.4.1 DC to KYB Custodian Message Request

Attribute Name	Description
scope	OIDC scope
client_id	OIDC client ID (i.e. SP ID)
response_type	OIDC response type
redirect_uri	SP URL that the response will be redirected to

code_challenge	Unique string value hashed and encodes for PKCE
code_challenge_method	Hashing algorithm
state	SP internal state Identifier

### 3.4.2 KYB Custodian to DP Message Request

Attribute Name	Description	Value
Company		
legal_name	The Company Legal Name	Value exists (initially provided by the DS Legal Representative)
legal_person_identifier	The Company Business Identifier (Business Registry)	Value exists (initially provided by the DS Legal Representative)
country	The Company Jurisdiction Country	Value exists (initially provided by the DS Legal Representative)
vat_registration_number	The Company VAT registration number	Empty
sub_jurisdiction	The sub-jurisdiction that the Company is registered at	Empty
trading_status	The trading status of the company (live, dormant etc.)	Empty
sic	The 4-digits SIC code (Standard Industrial Classification) of the Company	Empty
lei	The Legal Entity Identifier of the Company	Empty
address	The address of the Company	Empty
business_role	The business role of the Legal Representative within the DS (Managing Director, Director etc.)	Empty
Legal Representative		
given_name	The given name of the Company's Legal Representative	Value exists (the value retrieved from the eIDAS eID which replaces the information initially provided

		by the DS Legal Representative)
family_name	The family of the Company's Legal Representative	Value exists (the value retrieved from the eIDAS eID which replaces the information initially provided by the DS Legal Representative)
person_identifier	The eIDAS eID personal Identifier of the Company's Legal Representative	Value exists (as retrieved from the eIDAS eID)
date_of_birht	The date of birth of the Company's Legal Representative	Value exists (as retrieved from the eIDAS eID)
business_role	The business role of the Legal Representative within the Company (Managing Director, Director etc.)	Empty

### 3.4.3 DP to KYB Custodian Message Response

Attribute Name	Description	Туре
Company		
legal_name	List of Legal Names assigned to Company as returned by the specified DPs	Array of {value, DP name}
legal_person_identifier	The Company Business Identifier (Business Registry)	String
country	The Company Jurisdiction Country	String
vat_registration_number	List of Company VAT registration numbers as returned by the specified DPs	Array of {value, DP name}
sub_jurisdiction	List of sub-jurisdictions that the Company is registered at as returned by the specified DPs	Array of {value, DP name}
trading_status	List of trading status of the company (live, dormant etc.) as returned by the specified DPs	Array of {value, DP name}
sic	List of the 4-digits SIC codes (Standard Industrial Classification) of the Company as returned by the specified DPs	Array of {value, DP name}

lei	List of the Legal Entity Identifiers of the Company as returned by the specified DPs	Array of {value, DP name}
address	List of addresses of the Company as returned by the specified DPs	Array of {value, DP name}
business_role	List of business roles of the Legal Representative within the Company (Managing Director, Director etc.) as returned by the specified DPs	Array of {value, DP name}
Legal Representative		
given_name	The given name of the DS Legal Representative	String
family_name	The family of the DS Legal Representative	String
person_identifier	The eIDAS eID personal Identifier of the Legal Representative	String
date_of_birht	The date of birth of the Legal Representative	String
business_role	List of business role of the Legal Representative within the DS (Managing Director, Director etc.) as returned by the specified DPs	Array of {value, DP name}

### 3.4.4 KYB Custodian to DC Message Response

Attribute Name	Description	Туре
Company		
legal_name	List of Legal Names assigned to Company as returned by the specified DPs	Array of {value, DP name}
legal_person_identifier	The Company Business Identifier (Business Registry)	String
country	The Company Jurisdiction Country	String
vat_registration_number	List of Company VAT registration numbers as returned by the specified DPs	Array of {value, DP name}
sub_jurisdiction	List of sub-jurisdictions that the	Array of {value, DP name}

	Company is registered at as returned by the specified DPs	
trading_status	List of trading status of the company (live, dormant etc.) as returned by the specified DPs	Array of {value, DP name}
sic	List of the 4-digits SIC codes (Standard Industrial Classification) of the Company as returned by the specified DPs	Array of {value, DP name}
lei	List of the Legal Entity Identifiers of the Company as returned by the specified DPs	Array of {value, DP name}
address	List of addresses of the Company as returned by the specified DPs	Array of {value, DP name}
Legal Representative		
given_name	The given name of the DS Legal Representative	String
family_name	The family of the DS Legal Representative	String
person_identifier	The eIDAS eID personal Identifier of the Legal Representative	String
date_of_birht	The date of birth of the Legal Representative	String
business_role	List of business role of the Legal Representative within the DS (Managing Director, Director etc.) as returned by the specified DPs	Array of {value, DP name}
sub	UUID assigned to Legal Representative by KYB Custodian for this request	String
Metadata		
company_legal_representative_ mandate_validation	Timestamp of the instant that the Legal Representative Validated their Mandate with the DS	Timestamp
generation_timestamp	Timestamp generation of the KYB profile by the KYB Custodian in the Verifiable Data Public Registry or timestamp of the generation of the DC Message Response	Timestamp

# 3.5 UI Design

This section contains the DC (SP) and KYB Custodian Service Flows from a user point of view (where the user is considered the Legal Representative of the Company)<sup>11</sup>.

#### 3.5.1 Init Service Provider Interfaces (SP/DC)

Implemented by the Service Provider (acting as a DC of KYB Custodian services).

Query for Corporate Customer Data (KYB/KYC screening) flow: steps 1-2

#### 3.5.1.1 UI1.0 Case Presentation Interface

**Description:** The page explaining the scope of the Demo Case **Design:** 

- Header
  - Specific to application (includes the GRIDS logo and the title: GRIDS KYB Custodian Demo Case)
- Text
  - This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of GRIDS project infrastructure (link to GRIDS Github).

The GRIDS KYB Custodian is connected with a simulated Service Provider offering cryptocurrency and stablecoin portfolio-building services, called CryptoAegean. Corporate customers creating an account with CryptoAegean should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider).

Learn more about GRIDS and this specific case by following the links below: **GRIDS KYC Custodian, 2021, <u>Technical Document</u>** 

**GRIDS presentation** by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-eIB Workshop on "Identity Attributes and KYC: the transition to eIDAS 2.0</u> and <u>AMLR"</u>

Peter Bainbridge-Clayton, Kompany, Austria, *KYB and AML, Establishing Business Identity for Regulated Industries* [Summary, Presentation, Video] Nikos Triantafyllou, UAegean i4m Lab, Greece, *GRIDS in vivo* 

<sup>&</sup>lt;sup>11</sup> Reference document with mock pages:

https://docs.google.com/spreadsheets/d/1sIR-xThIPwSWczZ5USwHcvH1D8ZSZ9uE1cLKGDjtWXg/edit?u sp=sharing

### [Summary, Presentation, Video]

To continue the process click the **"Next"** button Next [button]

The GRIDS KYB Custodian Demo Case has been developed by the GRIDS project (link<sup>12</sup>), UAegean i4M Lab (link<sup>13</sup>), Kompany (link<sup>14</sup>) and ATOS Blockchain, Identity & Privacy Unit (link<sup>15</sup>)

- Graphics
- Footer
  - GRIDS, CEF/EC logo-flag<sup>16</sup>
  - Text with ref to INEA Contract
  - "Grant Agreement under the Connection Europe Facility (CEF) -Telecommunications Sector - Agr. number INEA/CEF/ICT/A2019/1926018"

#### 3.5.1.2 UI1.1 SP Service Landing Page

**Description:** The landing page of CryptoAegean Company **Design:** 

- Header
  - Left: Logo: CryptoAegean
  - Right: Logo: GRIDS
- Text
  - Buy crypto and stablecoins instantly!
  - CryptoAegean is a simple, elegant, and secure platform to build your corporate crypto and stablecoin portfolio
  - Get Started [button]
- Graphics
- Footer
  - As previously mentioned

#### 3.5.1.3 UI1.2 Institutional Client Registration Notification

**Description:** The page where CryptoAegean customers can start the process of creating an account (KYB profile)

- Header
  - As previously mentioned
- Text
  - Welcome to CryptoAegean! We are doing everything possible to make CryptoAegean the best destination for Corporate Customers and other institutions to buy, sell, and store digital assets (cryptocurrency and stablecoins).

<sup>&</sup>lt;sup>12</sup> https://www.grids-cef.eu/

<sup>&</sup>lt;sup>13</sup> http://www.atlantis-group.gr/i4Mlab

<sup>&</sup>lt;sup>14</sup> https://www.kompany.com

<sup>&</sup>lt;sup>15</sup> https://booklet.atosresearch.eu/

<sup>16</sup> 

Please fill out the form below to begin the registration process and open an institutional account with us

• Company Declaration [button] (link to UI2.1)

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly

Have you already accomplished this process? Account Sign In (link to UI2.1)

- Graphics
- Footer
  - As previously mentioned

#### 3.5.2 KYB Custodian Interfaces

#### 3.5.2.1 UI2.1 Company Declaration/Verification Interface

**Description**: This UI is the starting Form of the KYB Custodian. It requires the DS Legal Representatives to input their Personal Information (Name, Surname, email) and the information of the Company they represent in order to initiate the KYB profiling process.

Query for Corporate Customer Data (KYB/KYC screening) flow: step 3

- Header
  - Left: Logo: GRIDS KYB Custodian
  - Right: Logo: GRIDS
- Stepper
  - 1: Registration/Verification
- Explanation text
  - Title: Registration/Verification
  - In order to initiate the generation of the KYB (Know Your Business) profile of your Company, you must first provide the details of the company you represent and your personal details. Then click the "Next" button.
- Company Information
  - Company Name
  - Company Registration Number
  - Country of Company Registration
- Company Representative Information
  - Name
  - Surname
  - e-mail
- Button
  - Next
- Footer

- GRIDS, CEF/EC logo-flag<sup>17</sup>
- Text: "Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agr. number INEA/CEF/ICT/A2019/1926018"
- Developed by <u>UAegean i4m Lab</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>

#### 3.5.2.2 UI2.2 DS authentication via GRIDS (eIDAS Network)

**Description:** A set of interfaces that authenticate the DS Legal Representative via GRIDS, using their eIDAS eID

Query for Corporate Customer Data (KYB/KYC screening) flow: step 4a/i

- Starting page: Country Selection
- End page: User Consent



#### 3.5.2.3 UI2.3 Mandate Validation Form

**Description**: This interface requires the DS Legal Representative to confirm their affiliation with the Company (as that company's profile was generated in the previous step).

- Header
  - Left: Logo: GRIDS KYB Custodian
  - Right: Logo: GRIDS
- Stepper: Mandate Validation
- Form text
  - Title: Mandate Validation
  - Your KYB profile is almost ready. To continue, please confirm that you, (eIDAS first name) (eIDAS surname), born at (eIDAS date of birth), and the assigned the eIDAS eID personal Identifier (eIDAS personal Identifier), are affiliated with the company (Company Legal Name), Company Registration Number: (Company Registration Number).
- Button
  - Confirm
- Footer

<sup>17</sup> 

https://lh3.googleusercontent.com/xuCj6\_xXFJoFUx-xvVU0VtQje-Tevs6q1oJGHXjPNCDr2p2kDpSPhT9d pDEdJ4pZpgpujXTPy1gi1kWjKkvtxSgT8h9cNHVgtHQkQFt5TZrPHt-3DThFhFP03DtepsUwpA=w1280

- GRIDS, CEF/EC logo-flag<sup>18</sup>
- Text: "Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agr. number INEA/CEF/ICT/A2019/1926018"
- Developed by <u>UAegean i4m Lab</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>



#### 3.5.2.4 UI2.4 Present the DS with the KYB attributes of their Organization (after DP query)

**Description**: This interface presents the DS Legal Representative the attributes retrieved from the GRIDS network and asks him/her to confirm them to proceed. Additionally, this interface prompts the DS to store their data in the Public Registry - as verifiable data. **Design**:

- Header:
  - Left: Logo: GRIDS KYB Custodian
  - Right: Logo: GRIDS
  - Stepper: KYB Profile
- Explanation text
  - Title: KYB profile (Finish or Register)
  - I. Finish: Your KYB Profile has been generated successfully. In order to redirect back to the service that initiated the KYB check please complete this step (Finish).
  - 2. Register: Additionally, you can instantly generate a publicly Verifiable KYB profile of your Company and store it in the system's public registry. By opting in for this feature you will enable Regulation Supervision Authorities, government bodies and other qualified entities, the possibility to instantly Verify the KYB attributes of your Company, thus facilitating and simplifying your dealings with these parties. To do so click "Register". To learn more about Verifiable KYB data click here (google doc link<sup>19</sup>).
- Title: Company KYB profile retrieved

Attribute	Example Value	(i)
Company		
Legal Company Name	[{value:"Company name", data_provider: "DP 1"}, {value:"Kompany name",	

<sup>18</sup> 

https://lh3.googleusercontent.com/xuCj6\_xXFJoFUx-xvVU0VtQje-Tevs6q1oJGHXjPNCDr2p2kDpSPhT9d pDEdJ4pZpgpujXTPy1gi1kWjKkvtxSgT8h9cNHVgtHQkQFt5TZrPHt-3DThFhFP03DtepsUwpA=w1280 <sup>19</sup> link:

	data_provider: "DP 2"}]	
Company Identifier	TEST001	The Company Business Identifier
Company Country of Registration	UK	The Company Jurisdiction Country
Sub Jurisdiction	UK	The sub-jurisdiction that the Company is registered at
VAT Registration Number	[{value:12345, data_provider: "DP 1"}]	
Trading Status	[{value:"LIVE", data_provider: "DP 1"}]	The trading status of the company (live, dormant etc.)
SIC	[{value:61445, data_provider: "DP 1"}, {value:61402, data_provider: "DP 2"}]	The Standard Industrial Classification Code of the Company
LEI	984500W69AFEEJA2B749	The Legal Entity Identifier of the Company
Company Address	[{value: "1 London Street, London, L1 L1, England", data_provider: "DP 1, DP 2"}]	
Legal Representative		
First Name	Phil	
Last Name	Claude	
eIDAS eID Person Identifier	GR/GR/1111	
Date of Birth	01/02/83	
Business Role	Director	The business role of the Legal Representative within the Company (example: Managing Director, Director etc.)

- Button 1
  - Finish
- Button 2
  - Register
- Footer

- GRIDS, CEF/EC logo-flag<sup>20</sup>
- Text: "Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agr. number INEA/CEF/ICT/A2019/1926018"
- Developed by <u>UAegean i4m Lab</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>

#### (Optional) 3.5.2.5 UI2.5 After Opting in for Registering at the Verifiable KYB Public Registry

**Description**: This interface informs the Legal Representative of the DS that the Registration of the KYB profile of the DS to the KYB Public Registry is completed and enables them to continue the flow (via the same path as the Finish button of 3.5.2.4 UI2.4) but additionally sends an email to the Legal Representative of the DS.

- Design:
  - Header
    - Left: Logo: GRIDS KYB Custodian
    - Right: Logo: GRIDS
  - Stepper: (Optional) Register with Us
  - Form text
    - Title: Already Registered!
    - Text: Your Company's KYB profile has been successfully added to the Verifiable Data Registry of the GRIDS KYB Custodian Service. An email with further details will be sent to you shortly.
    - In order to redirect back to the service that initiated the KYB check please complete this step (Finish).
  - Button
    - Finish
  - Footer
    - GRIDS, CEF/EC logo-flag<sup>21</sup>
    - Text: "Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agr. number INEA/CEF/ICT/A2019/1926018"
    - Developed by <u>UAegean i4m Lab</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>

# (Optional) 3.5.2.5 VC Invitation email (in the case the DS has already accepted to publish the KYB profile of their Company as verifiable data)

**Description**: Once the DS is redirected back to the SP, an email is sent to their originally declared email address prompting them to issue their Company's KYB profile as a verifiable credential.

Design:

20

https://lh3.googleusercontent.com/xuCj6\_xXFJoFUx-xvVU0VtQje-Tevs6q1oJGHXjPNCDr2p2kDpSPhT9d pDEdJ4pZpgpujXTPy1gi1kWjKkvtxSgT8h9cNHVgtHQkQFt5TZrPHt-3DThFhFP03DtepsUwpA=w1280

https://lh3.googleusercontent.com/xuCj6\_xXFJoFUx-xvVU0VtQje-Tevs6q1oJGHXjPNCDr2p2kDpSPhT9d pDEdJ4pZpgpujXTPy1gi1kWjKkvtxSgT8h9cNHVgtHQkQFt5TZrPHt-3DThFhFP03DtepsUwpA=w1280

### • Email Text:

Sender:	GRIDS KYB Custodian <grids-kyb-custodian@i4mlabuaegean.onmicrosoft.com></grids-kyb-custodian@i4mlabuaegean.onmicrosoft.com>
Subject:	Subject: [GRIDS KYB Custodian Service] Portable KYB Profile Card generation invitation
Body:	
	Hi <name_surname></name_surname>
	Thank you for registering your Organization to the KYB Custodian Verifiable Data Public
	Registry.
	You can now issue a Portable KYB Profile Card as a Verifiable Credential. This Card will contain
	your KYB profile (Natural Person details and Company KYB attribute details) and can be used
	to instantly prove it to any compliant Service Provider. To learn more about Verifiable
	Credentials click \${here}.
	Please click \${acceptLink} to proceed to the issuance of your KYB Digital Identity Card.
	Thank you!
	The Administration team
	GRIDS KYB Custodian by i4m Lab

Back-end email message: KYB Custodian email invitation sent to the DS to invite them to issue a Portable KYB profile implemented as a Verifiable Credential

KYB Custodian

#### 3.5.3 Return to Service Provider (SP/DC)

#### 3.5.3.1 UI3.1 Redirection to SP

**Description**: After the end of the processing of the KYB data by the KYB Custodian the flow is propagated back to the DC together with the KYB profile of the DS. For the CryptoAegean DC this is the page where the customers are informed that their KYB profile is ready. They are informed that a Customer Relationships Team member will contact them directly.

- Design:
  - Header
    - Left: Logo: CryptoAegean
    - Right: Logo: GRIDS
  - Text

- Thank you for registering with CryptoAegean as a Corporate Customer. We have successfully received the essential business attributes of your company. An email with the attributes will be sent to you. A member of our Customer Relationships Team will contact you directly very shortly.
- Graphics
- Footer
  - GRIDS, CEF/EC logo-flag<sup>22</sup>
  - Text: "Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agr. number INEA/CEF/ICT/A2019/1926018"
  - Developed by <u>UAegean i4m Lab</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>
- •

#### 3.5.4 Terminate End Event Message

#### 3.5.4.1 UltendevTerminate End Event Message (Page Design and Text)

Description: The page that the flow is redirected to in case of an error. An error may occur if:

- Case A: the Company is not registered in any of the connected DPs,
- Case B: if the Legal Representative is not included in the DP records of the DS

- Header
  - Left: Logo: CryptoAegean
  - Right: Logo: GRIDS
- Text
  - The process has been terminated.
    - Case A: No records of the described Company were found in the connected registries.
    - Case B: The authenticated user is not registered as affiliated with the described Company in any of the connected registries.
  - Please restart the process and make sure you have provided the correct Company details.
  - Get Started [button]
- Graphics
- Footer
  - GRIDS, CEF/EC logo-flag<sup>23</sup>
  - Text: "Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agr. number INEA/CEF/ICT/A2019/1926018"
- 22

https://lh3.googleusercontent.com/xuCj6\_xXFJoFUx-xvVU0VtQje-Tevs6q1oJGHXjPNCDr2p2kDpSPhT9d pDEdJ4pZpgpujXTPy1gi1kWjKkvtxSgT8h9cNHVgtHQkQFt5TZrPHt-3DThFhFP03DtepsUwpA=w1280

https://lh3.googleusercontent.com/xuCj6\_xXFJoFUx-xvVU0VtQje-Tevs6q1oJGHXjPNCDr2p2kDpSPhT9d pDEdJ4pZpgpujXTPy1gi1kWjKkvtxSgT8h9cNHVgtHQkQFt5TZrPHt-3DThFhFP03DtepsUwpA=w1280

• Developed by UAegean i4m Lab, Kompany and GRIDS Consortium

# 4. KYB Custodian: Issue a KYB Verifiable Identity for a Company

Verifiable Credentials are defined by W3C as: "statements made by an issuer in a tamper-evident and privacy-respecting manner." In essence, Verifiable Credentials (VCs) allow, by utilizing a combination of PKI and privacy-protecting technologies, the digital watermarking of claims about a Data Subject from an Issuer enabling their verification (of both their validity and their ownership) without the involvement of the entity attesting to them.

The process described below enables a Legal Representative acting on behalf of a Corporate Customer (DS) to Issue a Verifiable Identity for a Company, portable KYB business Identity Profile (i.e., standard KYB profiles) implemented as a Verifiable Credential (VC). In this capacity, the flow presented in this section implements a model of a Verifiable Credential (VC) Issuer, capable of encoding the Corporate Identity as a VCs storing it in the Identity wallet (EDIW) of the DS Legal Representative. The Legal Representative can then, without any interaction with the Custodian, authenticate at any Service Provider, representing the DS, by presenting their KYB Verifiable Identity directly to gain access to their service.



In other words, this flow is addressed to Corporate Clients (DSs) represented by Legal Representatives that want to:

• generate a Corporate Identity Business Profile

• enable their Legal Representative to securely store it and

• use it to gain access to SPs needing to verify their legitimacy without the SPs being

in a direct relationship with the Custodian service. Only a trust relationship is required between them and the Custodian.

The generated KYB Verifiable Identities for a Company can reduce transactions and operation costs with respect to KYB profiling and significantly simplify the process. Specifically, using Verifiable Credentials the KYC and AML procedures can be completed in moments as simple as scanning a QR code and receive instant acceptance, followed by the procedures of each Service Provider.

In the next flow, the following assumptions apply:

• The Legal Representative of the DS is in possession of a mobile device equipped with a compatible Verifiable Credential Wallet app (e.g. Jolocom)

- The Legal Representative of the DS has completed the "KYB Custodian: Query for Corporate Customer Data (KYB/KYC screening)", as part of an interaction with a DC
- The Legal Representative of the DS has opted in to include the Corporate Profile of the DS to the systems Verifiable KYB Public Registry.
- The Legal Representative of the DS has received an email invitation by the KYB Custodian to export their KYB Profile as a Verifiable Credential

### 4.1 Regular flow

At a high level the Issue a KYB Verifiable Identity for a Company flow consists of the following steps:

- The Legal Representative of the DS receives an invite via email to Issue a KYB Verifiable Identity for a Company as part of the "KYB Custodian: Query for Corporate Customer Data (KYB/KYC screening)" flow
- 2. The Legal Representative accepts the invite and is directed to a KYB Custodian Interface where he is required to authenticate over eIDAS eID to proceed.
- 3. The Legal Representative of the DS authenticates over eIDAS and is returned to the KYB Custodian
- The KYB Custodian searches an existing DS KYB profile (using their eIDAS eID as the identifier) in the systems Verifiable KYB Public Registry
- 5. The Legal Representative is presented with the KYB profile and is asked to consent to the creation of the a Verifiable Credential
- 6. The Legal Representative is asked to pair their EDIW to the Custodian service (by scanning a QR).
- 7. The Legal Representative pairs their EDIW and is asked to accept a Credential Offer (by scanning a second QR code)
- 8. The Legal Representative is notified by their EDIW about the Credential Offer
- 9. The Legal Representative authorizes on the EDIW the Offer and receives the KYB Verifiable Identity for the DS

# 4.3 Other variations of the Regular Flows

The Legal Representative of a Company is informed by email that the issuance of the KYB Verifiable Identity for the Company they represent is enabled. However, during the registration process at the public registry (via the Company's interaction with the KYB Custodian) conflicting attributes about the company were returned by some of the different DPs connected to the system. With these assumptions, at a high level, this additional flow is implemented as follows:

**KYB** Custodian

KYB Custodian

EDIW

elDAS

- Reference: Regular Flow (Issue a KYB Verifiable Identity for a Company) is executed until Step 4 (including Step 4):
  - c. The KYB Custodian searches an existing DS KYB profile (using their eIDAS eID as the identifier) in the systems Verifiable KYB Public Registry
- 4.a The KYB Custodian discovers that the registered Company contains conflicting attributes from different DPs connected to the system
- 4b. The KYB Custodian informs the Legal Representative that issuance of their KYB Verifiable Identity is not possible and that they should validate their registration with the DPs of the system.

# 4.4 Data Models

This section provides an overview of the data model of the KYB Verifiable Identity for a Company issued by the KYB Custodian to its Legal Representative

Attribute	Example Value	Description
Company		
Legal Company Name	UK TEST COMPANY 1	Legal Name of the DS (Company)
Legal Person Identifier	TEST001	Legal Identifier of the DS
Company Country of Registration	UK	Registration country of the Company
VAT Registration Number	12345	VAR Registration Number
Sub Jurisdiction	UK	Sub Jurisdiction of the registration country of the Company
Trading Status	LIVE	Trading status of the Company
SIC	61445	Standard Industrial Classification code of the DS
LEI	984500W69AFEEJA2B749	Legal Entity Identifier of the DS
Company Address	1 London Street, London, L1 L1, England	Legal Address of the DS
Legal Representative		

Give Name	Phil	Given Name of the Legal Representative of the DS
Family Name	Claude	Family Name of the Legal Representative of the DS
Person Identifier	GR/GR/1111	eIDAS eID Personal Identifier of the Legal Representative
Date of Birth	01/02/83	Date of Birth of the Legal Representative
Business Role	Director	Role of the Legal Representative within the DS as registered in the DPs
Metadata		
Data Providers	[DP1, DP2]	List of the data providers used to generate the KYB Verifiable Identity for the Company
company_legal_representative_ mandate_validation	1638276008000	Timestamp of the instant that the Legal Representative Validated their Mandate with the DS
generation_timestamp	1638276008000	Timestamp generation of the KYB profile by the KYB Custodian in the Verifiable Data Public Registry or timestamp of the generation of the DC Message Response
issuer	did:jolo:1d8add724cfd2a8 6b9cf9f2f1d55d95321921 55b2a8ae39040908f431ef e006f	DID of the KYB Custodian (Verifiable Credential Issuer)
sub	did:jun:123123123	DID of the Legal Representative of the Company
claimId	claimId:f3d965c6ad2758cf	The Id of the KYB Verifiable Identity
issued	1638276008000	Timestamp of the generation of the KYB Verifiable Identity
expires	1638376008000	Timestamp of the expiration date of the KYB Verifiable Identity

# 4.5 UI Design

#### 4.5.0 UI0 VC Invitation email

**Description**: At the end of the Query for Corporate Customer Data (KYB/KYC screening) in case the Legal Representative opted in for the publication of the DS profile to the public Verifiable Data Registry, an email is sent to their originally declared email address prompting them to issue their Company's KYB profile as a verifiable credential.

- Design:
  - Email Text:

Sender:	GRIDS KYB Custodian <grids-kyb-custodian@i4mlabuaegean.onmicrosoft.com></grids-kyb-custodian@i4mlabuaegean.onmicrosoft.com>
Subject:	Subject: [GRIDS KYB Custodian Service] Portable KYB Profile Card generation invitation
Body:	
	Hi <name_surname></name_surname>
	Thank you for registering your Organization to the KYB Custodian Verifiable Data Public
	Registry.
	You can now issue a Portable KYB Profile Card as a Verifiable Credential. This Card will contain
	your KYB profile (Natural Person details and Company KYB attribute details) and can be used
	to instantly prove it to any compliant Service Provider. To learn more about Verifiable
	Credentials click \${here}.
	Please click \${acceptLink} to proceed to the issuance of your KYB Digital Identity Card.
	Thank you!
	The Administration team
	GRIDS KYB Custodian by i4m Lab

#### 4.5.1 UI1 Issue Verifiable KYB profile prompt

**Description**: This interface prompts the user that they need to authenticate over eIDAS eID in order to issue their Verifiable KYB Profile

- Header
- Stepper
- **Text:** Welcome to the GRIDS KYB Verifiable Identity Issuer Service. KYB Verifiable Identities for a Company can reduce transactions and operation costs with respect to KYB profiling and significantly simplify the process.By using Verifiable Credentials the

KYC and AML procedures can be completed in moments as simple as scanning a QR code. Please authenticate over eIDAS eID in order to continue

- Button 1 (eIDAS eID)
- Footer

#### 4.5.2 UI2 DS authentication via GRIDS (eIDAS Network)

**Description:** A set of interfaces that authenticate the DS Legal Representative via GRIDS, using their eIDAS eID

Query for Corporate Customer Data (KYB/KYC screening) flow: step 4a/i

- Starting page: Country Selection
- End page: User Consent

#### 4.5.1 UI3 Pair Wallet UI

**Description**: This interface prompts the user to pair their wallet in order to proceed to the issuance of their KYB Verifiable Identities

Design:

- Header
- Stepper
- Explanation **Text:** Thank you for authenticating. To continue please scan the following QR code with your Jolocom Smart Wallet to connect it to the service.
- QR code
- Footer

#### 4.5.2 UI4 Request Issuance

**Description**: This interface prompts the user to request the generation of their KYB Verifiable IDentity

Design:

- Header
- Stepper
- Explanation **Text:** Your Jolocom Smart Wallet has been successfully connected. To generate your Company's KYB Verifiable Identity please click the following button
- Button 1 (Request Identity)
- Footer

#### 4.5.3 UI5 Credential Issuance Invite

**Description**: This interface prompts the user to accept the Credential Issuance Invite **Design**:

- Header
- Stepper

- Explanation **Text:** Company's KYB Verifiable Identity is read. Please scan the following QR with your Jolocom Smart Wallet in order to receive an invite to store the generated Identity on your device (You will be prompted to accept the KYB Verifiable Identity by your Smart Wallet app after scanning the QR code).
- QR Code
- Footer

#### 4.5.4 UI6 Issuance Succes

**Description**: Informs the user that the Verifiable Identity has been sent to their wallet app **Design**:

- Header
- Stepper
- Explanation **Text:** Your Company's KYB Verifiable Identity has been successfully sent to your Jolocom Smart Wallet. Please check the documents section of your wallet to review it.
- Footer

#### 4.5.4 UltendevTerminate End Event Message (Page Design and Text)

**Description:** The page that the flow is redirected to in case of an error. An error may occur if:

• Case A: the Company is not registered in the public KYB Registry or the Legla Representative authenticated is different

#### Design:

- Header
- Text
  - The process has been terminated.
    - Case A: No records of the Legal Representative were found in the Verifiable KYB Public Registry
  - Please restart the process and make sure you authenticate over eIDAS eID with the proper credentials.
  - Get Started [button]
- Graphics
- Footer
  - As previously mentioned

### 4.6 Alignment with EBSI

The European Blockchain Services Infrastructure<sup>24</sup> (EBSI) is a very influential project aimed at "building a peer-to-peer network of interconnected nodes running a blockchain-based services infrastructure". Specifically, European self-sovereign identity framework (ESSIF) which is a key part of EBSI has greatly influenced the eIDAS 2.0 regulation and as a result the EDIW is expected to be designed around the same core principles.

<sup>&</sup>lt;sup>24</sup> https://digital-strategy.ec.europa.eu/en/policies/european-blockchain-services-infrastructure

While ESSIF is a still ongoing effort, many key directions and outcomes have been made publically available. In particular, ESSIF internally is based around the concepts of W3C Decentralized Identifiers (DIDs) and Verifiable Credentials (VCs); augmenting these concepts with anchors to EU trusts lists (EBSI).

The GRIDS KYB Custodian Service presented in this document is fully compliant with W3C standards for both the creation of the DIDs and the VCs. As a result the following conclusions can be drawn for the alignment with ESSIF/EBSI:

EBSI Compatible Feature in Current Version (W3C standard)	EBSI Compatible Feature in Future Versions					
<ul> <li>Issuance and storage of Verifiable</li> <li>Credentials: <ul> <li>Issuance of one or more VCs.</li> <li>Storage of VCs in digital wallet</li> </ul> </li> </ul>	<ul> <li>Onboarding:</li> <li>Registration of DIDs on EBSI</li> <li>Accreditation of issuers of VCsSetting up wallets and creation of DIDs</li> </ul>					
<ul> <li>Presentation and verification of Verifiable</li> <li>Credentials: <ul> <li>Presentation &amp; verification:</li> <li>Composition of VPs.</li> <li>Verification of the VPs</li> </ul> </li> </ul>	<ul> <li>Issuance and storage of Verifiable</li> <li>Credentials: <ul> <li>Request issuance of VC</li> </ul> </li> </ul>					

In a nutshell, for the features W3C Standards are defined the GRIDS KYB Custodian and ESSIF are compatible as both follow the same specifications. For the features implemented by ESSIF in a custom manner the GRIDS KYB Custodian service is not compatible out of the box. However, this incompatibility is only temporary and once ESSIF wallet specifications are announced<sup>25</sup> the GRIDS KYB Custodian can be easily upgraded to support them.

# 5. KYB Custodian: Verifiable KYB Public Registry

The process described below presents the steps for the creation of a public profile of Verifiable Data for a Corporate Entity. This public profile is created using the available DPs (that offer

<sup>&</sup>lt;sup>25</sup> Expected by the end of Q4 2021, "EBSI VC Playbook and testing", retrieved from <u>https://ec.europa.eu/cefdigital/wiki/download/attachments/446759587/%28EBSI-VCs%29.%28INATBA-De</u> <u>ck%29.%28v1.02%29.pdf?version=1&modificationDate=1635264060908&api=v2</u>

identity data for corporate customers) and enables the instant retrieval and verification of it by Regulation Supervision Authorities, government bodies and other qualified entities. This is achieved by storing the DS KYB profile as a Verifiable Credential in the registry and making it publically available, thus enabling any authorized entity to request it and verify it independently without requiring the DS to have their own corporate identity wallets.

Ofcourse, this flow requires that the "Query for Corporate Customer Data (KYB/KYC screening)" flow was completed successfully from a natural person (Legal Representative) on behalf of a Corporate Customer (DS). In other words, this flow is addressed for DS who after interacting with a DC via a Legal Representative decide to make their KYB profile publically available in a Verifiable Data format in order to facilitate their future interactions with regulatory, government, and other quafied entitie's bodys.

As a result, the following assumptions apply:

- The DS, via a Legal Representative, during their interaction with a DC completed successfully the "Query for Corporate Customer Data (KYB/KYC screening)" flow until Step 6 (including Step 6)
  - *Reference Step 6:* The KYB Custodian prompts the Legal Representative of the Company to store Company's KYB profile in the Public Registry (a service operated by the KYB Custodian), as verifiable data (optional for the Company representative).
- The Legal Representative accepts the registration invitation
- The KYB Custodian generates the DS's public KYB profile in a verifiable data format and includes it in the registry

# 5.1 Regular flow

At a high level the Issue a KYB Verifiable Identity for a Company flow consists of the following steps:

- 1. A Regulation Supervision Authority wants to monitor the DS. For this process an accurate KYB profile of the DS is required (without the necessary interaction of the DS)
- 2. The Regulation Supervision Authority accesses the KYB Custodian public registry and queries for the DS's KYB profile
- 3. The Regulation Supervision Authority receives the KYB profile of the DS
- 4. The Regulation Supervision Authority verifies the validity of the received KYB profile independently without interacting with the DS or any of the DPs used in the generation of the KYB profile





5. The Regulation Supervision Authority proceeds with the monitoring processes.

### 5.2 Data Models

This section provides an overview of the data model of the KYB public registry Verifiable Data entry for a Company issued by the KYB Custodian and inserted to the registry,

Attribute	Example Value	Description			
Company					
Legal Company Name	UK TEST COMPANY 1	Legal Name of the DS (Company)			
Legal Person Identifier	TEST001	Legal Identifier of the DS			
Company Country of Registration	UK	Registration country of the Company			
VAT Registration Number	12345	VAR Registration Number			
Sub Jurisdiction	UK	Sub Jurisdiction of the registration country of the Company			
Trading Status	LIVE	Trading status of the Company			
SIC	61445	Standard Industrial Classification code of the DS			
LEI	984500W69AFEEJA2B749	Legal Entity Identifier of the DS			
Company Address	1 London Street, London, L1 L1, England	Legal Address of the DS			
Legal Representative					
Give Name	Phil	Given Name of the Legal Representative of the DS			
Family Name	Claude	Family Name of the Legal Representative of the DS			
Person Identifier	GR/GR/1111	elDAS elD Personal Identifier of the Legal Representative			
Date of Birth	01/02/83	Date of Birth of the Legal Representative			
Business Role	Director	Role of the Legal Representative within the DS			

		as registered in the DPs
Metadata		
Data Providers	[DP1, DP2]	List of the data providers used to generate the KYB Verifiable Identity for the Company
company_legal_representative_ mandate_validation	1638276008000	Timestamp of the instant that the Legal Representative Validated their Mandate with the DS
generation_timestamp	1638276008000	Timestamp generation of the KYB profile by the KYB Custodian in the Verifiable Data Public Registry or timestamp of the generation of the DC Message Response
issuer	did:jolo:1d8add724cfd2a8 6b9cf9f2f1d55d95321921 55b2a8ae39040908f431ef e006f	DID of the KYB Custodian (Verifiable Credential Issuer)
sub	did:jun:123123123	DID of the Legal Representative of the Company
claimId	claimId:f3d965c6ad2758cf	The Id of the KYB Verifiable Identity
issued	1638276008000	Timestamp of the generation of the KYB Verifiable Identity
expires	1638376008000	Timestamp of the expiration date of the KYB Verifiable Identity





# increasinG tRust with eld for Developing buSiness D5.1 Test Preparation and Execution report

Annex 3: GRIDS Activity 5 testing results

2 2 3	olect Name Iodule Name Nated by	GRIDS GRIDS KYB Custodian Katerina Kuysta   UAagean De-11-2021								-												
		Pre Production	on teating (automated)		1	<b></b>	r					_				_			r			
No	Test Scenario ID	Test Scenario Description		Test Case Description	Pre Conditions	Test Data	Start Event (description)	Start Event (URL)	Test Steps	Expected Result	Testing environment	User A	User B	User C	User D	User E		Automated Test Report URL (User A)	Automated Test Report URL (User B)	Automated Test Report URL (User C)	Automated Test Report URL (User D)	Automated Test Report URL (User E)
1		User (a representative of a company) wants to retrieve their eIGAS and XVL/B attributes and populate their XVB profile	TCI.I.I_XYB_Custodian_Login	Custodan Basic flow without registratio option	- valid el D el DAS identity - valid company detalis - valid unet/company relationship	- elDAS text credentials - Company text data	The Service starting page	http://doc.angeon.gr/2000/	5. Due access the law super deployed are thing (Max super approximate) and a super approximate (Max super approximate) and a super approximate (Max super approximate) and an additional test of the provided super approximate (Max super approximate) and an additional test of the provided super approximate (Max super approximate) and an additional test of the super approximate (Max super approximate) and a super approximate (Max super approximate) and an additional test of the super approximate (Max super approximate) and a super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of the super approximate (Max super approximate) and additional test of th	User clicks 'Finish' after checking the retrieved data of their company and gets redirected to the UAegean Custodias Service starting page	pre-production	GR eIDAS eID test user	ff eIDAS eID test user	EE elDAS elD test user	SE eIDAS eID : test user	l eIDAS eID test user	- Passed for all test users	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable
		Error handlin	g testing (automated)																			
1		Not able to validate the representative's identity	TC2.1.1_NP_N0	The user fails to authenticate via eIDAS eID	- Invalid eID eIDAS identity	- el DAS test credentials - Company test data	The Service starting page	http://dox.angeam.pr.3030/	1. User access the Service page deployed at: http://dxs.aegean.gr:300/     2. User clicks the "import" busins in order to import their KM profile.     3. User files in the Company Details Form and the Representative Form and clicks the "Retrieve Data"     human	User gets an "Authentication Failed" error message and the process is terminated	pre-production	GR eIDAS eID test user	n/a	n/s	n/s	n/a	test user No need to test it with rest users	The file is included in the deliverable			-	
2		Not able to validate the existence of the company		The company does not exist	- invalid company	- el DAS test credentials - Company test data	The Service starting page	http://doi.angean.gr.3030/	User accesses the Service page deployed at: http://dss.aegean.gr.3030/     User clicks the "import" button in order to import their XVII profile.     Solar (file: the Compare Vehicle Form and the Beausenstehron Form and clicks the "Betrieve Data"	User gets a "Cannot find any data for the requested company" error message and	pre-production	GR eIDAS eID test user	n/a	n/a	n/s	n/a	Passed for GR eIDAS eID     test user     No need to test it with rest	The file is included in the deliverable	-		-	
3		Not able to validate the details of the company	TC2.3.1_CO_NO	Company's identifier does not match th provided one	• - invalid company details	- el DAS test credentials - Company test data	The Service starting page	http://dxs.aegean.gr.3030/	2. User disk the "report" builds in order to import the KTB profile.  2. User disk the "report" builds in order to import the KTB profile.  3. User fills in the Company Details Form and the Representative Form and clicks the "Retrieve Data"	provided data" error message and the process is	pre-production	GR eIDAS eID test user	n/a	n/a	n/s	n/a	test user - No need to test it with rest users	The file is included in the deliverable	-		-	-
4	152.4	Not able to validate the relationship of the natural person to the company	TC2.4.1_NP_CO_NO	The user is not related with the specifies company	- invalid user/company relationship	- el DAS test credentials - Company test data	The Service starting page	http://doi.angeon.gr.3030/	User accesses the Service page deployed at: http://dxs.aegean.gr:3030/     Z. User clicks the "Import" button in order to import their XVB profile.     S. User file-in the Company Details Form and the Representative Form and clicks the "Retrieve Data"     how any	User gets an "Authorization Failed" error message and the process is terminated	pre-production	GR eIDAS eID test user	n/a	n/a	n/s	n/a	test user - No need to test it with rest users	The file is included in the deliverable	-	-	÷	-

_																					
	Project Name	GRIDS																			
	Module Name	Demo 360kompany electronic services																			
	Created by	Katerina Ksystra   UAegean																			
	Creation Date	18-11-2021																			
		Productio	n testing					1													
No	Test Scenario ID	Test Scenario Description	Test Case ID	Test Case Description	Pre Conditions	Start Event (description)	Start Event (URL)	Testing Instructions (URL)	Expected Result	Testing environment	User A	User B	User C	User D	User E	Status (Passed/Failed)	Test Report PDF (User A)	Test Report PDF (User B)	Test Report PDF (User C)	Test Report PDF (User D)	Test Report PDF (User E)
1	TS1.1	User (a representative of a company) wants to open a bank account (of behalf of that company)	TC1.2.1_RBI_Register	User accesses the service starting page in order to complete the registration process	- valid elD elDAS identity	y The Service starting page	http://gridsdemoclient.komp any.com:8999/rbi	The file is included in the deliverable	User succesfully completes the application	production	EE eIDAS eID	IT elDAS elD	ES eIDAS eID	CZ eIDAS eID	BE eIDAS eID	- Passed for all users	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable
2	TS1.2	User (a representative of a company) wants to apply for an Legal Entity Identifier	TC1.1.1_Wmd_Register	User accesses the service starting page in order to complete the registration process	- valid elD elDAS identit	y The Service starting page	http://gridsdemoclient.komp any.com/8999/wmd	The file is included in the deliverable	User succesfully completes the application	production	EE eIDAS eID	IT elDAS elD	ES elDAS elD	CZ eIDAS eID	BE eIDAS eID	- Passed for all users	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable
3	TS1.3	User wants to register online as a representative of a legal entity	TC1.3.1_ADVOKAT_Register	User accesses the service starting page in order to complete the registration process	- valid elD elDAS identity	y The Service starting page	http://gridsdemoclient.komp any.com/8999/adv	The file is included in the deliverable	User succesfully completes the application	production	EE eIDAS eID	IT elDAS elD	ES eIDAS eID	CZ eIDAS eID	BE eIDAS eID	- Passed for all users	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable	The file is included in the deliverable

### **UAegean Custodian Service Test Log**

#### **Execution Environment**

Host name:	katerina - DESKTOP-HB2KOME
OS:	Windows 10 64bit
Katalon version:	8.1.0.208
Browser:	Chrome 95.0.4638.69

#### **Test Execution Log**

TEST SUITE: UAegean Custodian Service	
Full Name:         UAegean Custodian Service	
Start / End / Elapsed:         2021-11-12 15:02:26.635 / 2021-11-12 15:03:47.921 / 00:01:21.286           Start / End / Elapsed:         2021-11-12 15:02:26.635 / 2021-11-12 15:03:47.921 / 00:01:21.286	
Status: 1 test total, 1 passed, 0 failed, 0 error, 0 incomplete, 0 skipped	
TEST CASE: Test Cases/UAegean Custodian Service GR	
Full Name: UAegean Custodian Service/Test Cases/UAegean Custodian Service GR	
Start / End / Elapsed: 2021-11-12 15:02:27.800 / 2021-11-12 15:03:47.921 / 00:01:20.121	
Status: PASSED	
TEST STEP: Description: Open Browser	
openBrowser("")	
Start reno / Elapsed: 2021-11-12 15:02:30.07 / 2021-11-12 15:02:43.07 / 100:00:12:390	
15:02:33.318 INFO Action delay is set to 0 milliseconds	
15:02:43.632 PASSED Browser is opened with url: ''	
TEST STEP: Description: Navigate to UAegean Custodian Service url	
navigateToUrl("http://dss.aegean.gr:3030/")	
Start / End / Elapsed: 2021-11-12 15:02:43.674 / 2021-11-12 15:02:45.605 / 00:00:01.931	
TEST STEP: Description: Click to import your KYB profile	
click(findTestObject("Object Repository/Page_Please Authenticate/a_Import"))	
Start / End / Elapsed: 2021-11-12 15:02:45.606 / 2021-11-12 15:02:51.307 / 00:00:05.701	
15:02:51.301 PASSED Object: 'Object Repository/Page_Please Authenticate/a_Import' is clicked on	
TEST STEP: Description: Fill in Company name	
Start / End / Elapsed: 2021-11-12 15:02:51.311 / 2021-11-12 15:02:53.844 / 00:00:02.533	
15:02:53.840 PASSED Text 'UK TEST COMPANY 1' is set on object 'Object Repository/Page_Grids/input_Company Name_companyName'	
TEST STEP: Description: Fill in Company identifier	
setText(findTestObject("Object Repository/Page_Grids/input_Company identifier_legal_person_identifier"), "TEST-0001") Start / End / Elansed: 2021-11-12 15:02:53 845 / 2021-11-12 15:02:55 845 / 2021-12 15:02 845 / 2021-12 1	
15:02:55.421 PASSED Text 'TEST-0001' is set on object 'Object Repository/Page_Grids/input_Company identifier_legal_person_identifier'	
TEST STEP: Description: Fill in Company country	
setText(findTestObject("Object Repository/Page_Grids/input_Company Country_country"), "UK")	
Start / End / Elapsed: 2021-11-12 15:02:55.426 / 2021-11-12 15:02:56.742 / 00:00:01.316	
TEST STEP: Description: Fill in representative's name	
setText(findTestObject("Object Repository/Page_Grids/input_Name_name"), "phil")	
Start / End / Elapsed: 2021-11-12 15:02:56.743 / 2021-11-12 15:02:58.246 / 00:00:01.503	
15:02:58.243 PASSED Text 'phil' is set on object 'Object Repository/Page_Grids/input_Name_name'	
IESI SIEP: Description: Fill in representative's surname setTevt/findTestOhiect/"Ohiect Repository/Page Crids/input_Surname_surname") "claude")	
Start / End / Elapsed: 2021-11-12 15:02:58.247 / 2021-11-12 15:02:59.885 / 00:00:01.638	
15:02:59.844 PASSED Text 'claude' is set on object 'Object Repository/Page_Grids/input_Surname'	
TEST STEP: Description: Fill in representative's email	
setText(findTestObject("Object Repository/Page_Grids/input_email_email"), "philclaude@gmail.com") Start / End / Elapsed: 2021-11-12 15:02:59.886 / 2021-11-12 15:03:01.820 / 00:00:01.934	
15:03:01.816 PASSED Text 'philclaude@gmail.com' is set on object 'Object Repository/Page_Grids/input_email_email'	
TEST STEP: Description: Click to retrieve your KYB data	
click(findTestObject("Object Repository/Page_Grids/button_Retrieve Data"))	
15:03:08.454 PASSED Object: 'Object Repository/Page Grids/button Retrieve Data' is clicked on	
TEST STEP: Description: Click next	
click(findTestObject("Object Repository/Page_Create a new account/a_Next"))	
Start / End / Elapsed:         2021-11-12 15:03:08.459 / 2021-11-12 15:03:09.225 / 00:00:00.766           15:03:09         210         DASSED         Object         Photosta	
TECT CTED: Description: Click post	
click/findTestObject/"Object Repository/Page_Consent/button_Next"))	
Start / End / Elapsed: 2021-11-12 15:03:09.228 / 2021-11-12 15:03:13.784 / 00:00:04.556	
15:03:13.777 PASSED Object: 'Object Repository/Page_Consent/button_Next' is clicked on	
IEST STEP: Description: Click next	
Start / End / Elapsed: 2021-11-12 15:03:13.785 / 2021-11-12 15:03:14.628 / 00:00:00.843	
15:03:14.622 PASSED Object: 'Object Repository/Page_Consent/button_Next_1' is clicked on	
TEST STEP: Description: Click next	
Cick(findTestObject("Object Repository/Page_Consent/button_Next_1_2")) Start / End / Elapsed: 2021-11-12 15:03:14.628 / 2021-11-12 15:03:18.257 / 00:00:03.629	
15:03:18.248 PASSED Object: 'Object Repository/Page_Consent/button_Next_1_2' is clicked on	
TEST STEP: Description: Fill in username	
setText(findTestObject("Object Repository/Page_eIDAS Authentication Service (IdP)/input_Test user_username"), "dim")	
15:03:19.656 PASSED Text 'dim' is set on object 'Object Renository/Page eIDAS Authentication Service (TdP)/input Test user username'	
TEST STEP: Description: Fill in password	
setEncryptedText(findTestObject("Object Repository/Page_eIDAS Authentication Service (IdP)/input_Password_password"), "zshkNrZ9xg8=")	
Start / End / Elapsed:         2021-11-12 15:03:19.663 / 2021-11-12 15:03:20.765 / 00:00:01.102           15:03:20.766         DASSED         Toxt ****** has been out on object 'Object Peneritery'/Page atDAS Authoritication Service	
TASSED TEXT TEXT THAS been set on object object Repository/Page_eLDAS Authentication Service	

(IdP)/in TEST STEP: Description: Click submit	put_Password_password'			
click(findTestObject("Ob Start / End / Elapsed: 2021-11-12 15:03:20	ject Repository/Page_eIDAS Authentication Ser ).766 / 2021-11-12 15:03:22.660 / 00:00:01.894	vice (IdP)/button_	Submit"))	
15:03:22.657 PASSED Object:	'Object Repository/Page_eIDAS Auther	ntication Ser	vice (IdP)/button_Submi	t' is clicked on
TEST STEP: Description: Click submit	iert Renasitany/Page Consent/button Submit")	1		
Start / End / Elapsed: 2021-11-12 15:03:22	2.661 / 2021-11-12 15:03:37.771 / 00:00:15.110			
15:03:37.768 PASSED Object:	'Object Repository/Page_Consent/buti	ton_Submit' i	s clicked on	
click(findTestObject("Ob	ject Repository/Page_Grids/button_Sign Declara	ation"))		
Start / End / Elapsed: 2021-11-12 15:03:37	773 / 2021-11-12 15:03:39.249 / 00:00:01.476	n Sign Doclan	ation' is clicked on	
TEST STEP: Description: Finish	object Repository/Page_Grius/Ductor	I_SIGN DECISI	acton is clicked on	
click(findTestObject("Ob	ject Repository/Page_Grids/button_Finish"))			
Start / End / Elapsed: 2021-11-12 15:03:38 15:03:41.989 PASSED Object:	9.250/2021-11-1215:03:41.992/00:00:02.742 'Obiect Repository/Page Grids/buttor	n Finish' is	clicked on	
TEST STEP: takeFullPageScreenshot()		_		
Start / End / Elapsed: 2021-11-12 15:03:41	.992 / 2021-11-12 15:03:43.818 / 00:00:01.826			
15:03:43.295 INFO 0 hidden	object(s)			
	icis			III grids 🔰
9.				
	Build your KYB profile			
	MORE INFO			
	Company Details Form			
	company becane rom			
	Company Name	Company ide	ntifier	
	Company Country			
	Representative Form			
	Name	Surname		
	email			
	RETRIEVE DATA			
	Co-financed by the Euro	opean Union	Liniversity of the Aereen I	I Dat of Financial and Management
	Connecting Europe Faci	ility	Engineering   i4m Lab	
	Agroement under the Operation Fr	Facility (OFF)	Web address   Dpt: <u>http://</u>	/www.fme.aegean.gr/
Grant	Agreement under the Connection Europe	Facility (CEF)	Web address   i4m Lab: <u>h</u>	ttp://www.atlantis-group.gr/i4Mlab
Aaree	ment number INEA/CEF/ICT/A2019/1926	018	e-mail: i4mlab-courses@a	aegean.gr
			Service developed by UAe	egean   14m Lab © 2021
TEST STEP: closeBrowser()				
Start / End / Elapsed: 2021-11-12 15:03:43	3.818 / 2021-11-12 15:03:45.744 / 00:00:01.926			
15:03:45.742 PASSED Browser :	is closed			
Start / End / Elapsed: 2021-11-12 15:03:47	7.917 / 2021-11-12 15:03:47 919 / 00:00:00 002			

UAegean Custodian Service Test Log

11/12/21, 3:11 PM

15:03:47.919

INFO Video recording for test case 'Test Cases/UAegean Custodian Service GR' .

### **UAegean Custodian Service Test Log**

#### **Execution Environment**

Host name:	katerina - DESKTOP-HB2KOME
OS:	Windows 10 64bit
Katalon version:	8.1.0.208
Browser:	Chrome 95.0.4638.69

#### **Test Execution Log**

TEST SUITE: UAegear	ו Custodian Service
Full Name:	UAegean Custodian Service
Start / End / Elapsed:	2021-11-15 10:41:30.423 / 2021-11-15 10:42:50.927 / 00:01:20.504
Status:	r test total, r passed, <b>v faned, v error</b> , v incomplete, v skipped
TEST CASE: Test Cas	es/UAegean Custodian Service EE
Full Name:	UAegean Custodian Service/ lest Cases/UAegean Custodian Service EE
Tag:	TC1111 EF
Start / End / Elapsed:	2021-11-15 10:41:31.111 / 2021-11-15 10:42:50.927 / 00:01:19.816
Status:	PASSED
TEST STEP: Descriptio	n: Open Browser
openE	)rowser("")
Start / End / Elapsed: 2	2021-11-15 10:41:33.331 / 2021-11-15 10:41:44./43 / 00:00:11.412
10.41.35.205 IN	To starting chrome uriver
10:41:35.354 IN	SED Browser is opened with url ''
TEST STEP: Descriptio	in Navingte I låenge nut men arter
naviga	In Nangale to Overgean Oxegean Castolan German in early a second s
Start / End / Elapsed:	2021-11-15 10:41:44.744 / 2021-11-15 10:41:46.784 / 00:00:02.040
10:41:46.777 PAS	SED Navigate to 'http://dss.aegean.gr:3030/' successfully
TEST STEP: Descriptio	n: Click to import your KYB profile
click(fi Start / End / Elapsed:	ndTestObject("Object Repository/Page_Please Authenticate/a_Import")) 2021-11-15 IO4146 785 (2021-11-15 IO41-52 IO4 (00:00:05 304
10:41:52.100 PAS	SED Object: 'Object Repository/Page_Please Authenticate/a_Import' is clicked on
TEST STEP: Descriptio	n: Fill in Company name
setTex	 t(findTestObject("Object Repository/Page_Grids/input_Company Name_companyName"), "NL TEST COMPANY 1")
Start / End / Elapsed: 2	2021-11-15 10:41:52.109 / 2021-11-15 10:41:54.009 / 00:00:01.900
10:41:54.006 PAS	SED Text 'NL TEST COMPANY 1' is set on object 'Object Repository/Page_Grids/input_Company Name_companyName'
TEST STEP: Descriptio	n: Fill in Company identifier
Start / End / Elapsed: 2	it(inina lestObject) Ubject Repositor)// egg=Gras/input_Company identiner_legal_person_identiner ), "00000000-1ES1") 2021-11-15 10:41:54.009 / 2021-11-15 10:41:55.721 / 00:00:01.712
10:41:55.717 PAS	SED Text '00000000-TEST' is set on object 'Object Repository/Page_Grids/input_Company
	identifier_legal_person_identifier'
TEST STEP: Descriptio	n: Fill in Company country
setTex	(t(findTestObject("Object Repository/Page_Grids/nput_Company Country_country"), "NL") 2011 41 45 044-55 731 U2011 41 45 044-55 892 00000-00 0677
10:41:56.685 PAS	SEE Text 'NL' is set on object 'Object Repository/Page Grids/input Company Country'
TEST STEP: Descriptio	nn Fill in Representative name
setTex	utrimin representation hanno
Start / End / Elapsed: 2	2021-11-15 10:41:56.688 / 2021-11-15 10:41:57.896 / 00:00:01.208
10:41:57.863 PAS	SED Text 'MARY ANN' is set on object 'Object Repository/Page_Grids/input_Name_name'
TEST STEP: Descriptio	n: Fill in Representative sumame
Start / End / Elapsed: 2	:t(nind testObject) Ubject Repositor)/Fage_Gras/nput_Sumame_), "O CONNEZ-SUSLIK TESTNOMBER") 2021-11-15 (0:41:57.896) (2021-11-15 10:41:59.829) 00:00:01:933
10:41:59.827 PAS	SED Text '0'CONNEŽ-ŠUSLIK TESTNUMBER' is set on object 'Object Repository/Page_Grids/input_Surname_surname'
TEST STEP: Descriptio	n: Fill in Representative email
setTex	«(findTestObject("Object Repository/Page_Grids/input_email_email"), "maryann@gmail.com")
Start / End / Elapsed: 2	2021-11-15 10:41:59.829 / 2021-11-15 10:42:01.260 / 00:00:01.431
10:42:01.256 PAS	SED Text 'maryann@gmail.com' is set on object 'Object Repository/Page_Grids/input_email_email'
IESI SIEP: Descriptio	n: Click to Retrieve your KYB data
Start / End / Elapsed: 2	na lest/ubject ("ubject Repository/"#ge_unas/button_Retrieve Data")) 2021-11-15 1042-01.260 / 2021-11-15 1042:07.242 / 00:00:05.982
10:42:07.238 PAS	SED Object: 'Object Repository/Page_Grids/button_Retrieve Data' is clicked on
TEST STEP: Descriptio	n: Select country
click(fi	indTestObject("Object Repository/Page_Create a new account/input_HERE_select-dropdown dropdown-trigger"))
Start / End / Elapsed: 2	2021-11-15 10:42:07.243/2021-11-15 10:42:08.182/00:00:00.999 SED Object 'Object Beneristry/Dece Coote a new account/input HEBE celect deerdeve deerdeve triagen' is clicked en
10:42:08.177 PAS	SED ODJECT: ODJECT REPOSITORY/Page_create a new account/inpu_mem_select-aropadown aropadown-trigger is clicked on
IESISIEP: executeJa	.vascripių var elerineriu = document.getElementBylaų countrySelection');element.value = 'EE';", null) 2021.11.15.10:42:08.183 / 2021.11.15.10:42:08.371 / 00:00:00.188
10:42:08.367 PAS	SED Execute JavaScript 'var element = document.getElementBvId('countrvSelection'):element.value = 'FF':' successfully
TEST STEP: Description	
click(fi	indTestObject("Object Repository/Page_Create a new account/a_Next"))
Start / End / Elapsed: 2	2021-11-15 10:42:08.371 / 2021-11-15 10:42:09.112 / 00:00:00.741
10:42:09.106 PAS	SED Ubject: 'Ubject Repository/Page_Create a new account/a_Next' is clicked on
TEST STEP: Descriptio	n: Click Mobile ID
click(fi Start / End / Elapsed	na lestobject("Object Repositor//Page_Riigi autentimisteenus - Turvaline aut_2f277a/span_Mobiil-ID")) 2021-11-15 10:42:09.112 / 2021-11-15 10:42:16.453 / 00:00:07.341
10:42:16.451 PAS	SED Object: 'Object Repository/Page_Riigi autentimisteenus - Turvaline aut_2f277a/span Mobiil-ID' is clicked on
TEST STEP: Descriptio	n: Fill in Identity number
setTex	tt(findTestObject("Object Repository/Page_Riigi autentimisteenus - Turvaline aut_2f277a/input_Telefoninumber_idCode"), "60001019906")
Start / End / Elapsed: 2	2021-11-15 10:42:16.454 / 2021-11-15 10:42:17.655 / 00:00:01.201
10:42:17.650 PAS	SED Text '60001019906' is set on object 'Object Repository/Page_Riigi autentimisteenus - Turvaline aut 2f277a/input Telefoninumber idCode'
TEST STED Description	
	nt minn none mineer (tfindTestObiect/"Obiect Repository/Page_Riigi autentimisteenus - Turvaline aut_2f277a/innut_Telefoninumber_telephoneNumber"), "00000766")
:///C:/Users/katerina	a/hataion العراقة pre-production testing/keports/20211115_10411//UAegean Custodian Service/20211115_10411//2

1/15/21, 10:45 AM		UAegean C	ustodian Service Test Log
Start / End / Elapsed:         2021-11-15 10:42           10:42:18.721         PASSED         Text ' aut_2f	I-1510:42:17.655/2021-11-1510:42:18.723/00:00:01.068 Text '00000766' is set on object 'Object Repository/Page_Riigi autentimisteenus - Turvaline aut_2f277a/input_Telefoninumber_telephoneNumber'		
TEST STEP: Description: Click Continue click(findTestObject/"Object Repository/Page, Riigi autentimisteenus - Turvaline aut. 2/277a/button, .tka"))			
Start / End / Elapsed: 2021-11-15 10:42:18.724 / 2021-11-15 10:42:21.368 / 00:00:02.644			
10:42:21.365 PASSED Object: 'Object Repository/Page_Riigi autentimisteenus - Turvaline aut_2f277a/button_Jtka' is clicked on			
click(findTestObject("Object Repository/Page_Consent/button_Submit"))			
Start / End / Elapsed:         2021-11-15 10:42:21.369 / 2021-11-15 10:42:42.158 / 00:00:20.789           10:42:42.154         PASSED         Object:         'Object Repository/Page Consent/button Submit' is clicked on			
TEST STEP: Description: Sign the Declaration Form			
click(findTestObject("Object Repository/Page_Grids/span_Sign Declaration")) Start / End / Elapsed: 2021-11-15 10:42:42 160 / 2021-11-15 10:42:43 414 / 00:00:01 254			
10:42:43.411 PASSED Object: 'Object Repository/Page_Grids/span_Sign Declaration' is clicked on			
TEST STEP: Description: Finish	"Obied Demonthery (Demon Original Anthony Fision)"		
Start / End / Elapsed: 2021-11-15 10:42	2:43.415 / 2021-11-15 10:42:45.976 / 00:00:02.561	//	
10:42:45.972 PASSED Object	: 'Object Repository/Page_Grids/bu	itton_Finish' is	clicked on
Start / End / Elapsed: 2021-11-15 10:42	0 2:45.977 / 2021-11-15 10:42:47.434 / 00:00:01.457		
10:42:46.910 INFO 0 hidd	en object(s)		
10:42:47.429 PASSED Taking	screenshot successfully		
g	rids		III GRIDS 🔰
	Build your KYB profile		
	MORE INFO		
	Oomnony Dataila Form		
	Company Details Form		
	Company Name	Company id	entifier
	Company Country		
	Representative Form		
	Name	Surname	
	email		
	RETRIEVE DATA		
	Co-financed by the	European Union	University of the Aegean   Dpt of Financial and Management
	* * programme	,	Engineering   i4m Lab Web address   Dpt; http://www.fme.aegean.gr/
Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018		Web address   i4m Lab: <u>http://www.atlantis-group.gr/i4Mlab</u> e-mail: i4mlab-courses@aegean.gr	
			Service developed by UAegean   14m Lab © 2021
IEST STEP: closeBrowser() Start / End / Elapsed: 2021-11-15 10:42:47.434 / 2021-11-15 10:42:48.777 / 00:00:01.343			
10:42:48.774 PASSED Browser is closed			
TEST STEP: Video Start / End / Elapsed: 2021-11-15 10:42:50.922 / 2021-11-15 10:42:50.925 / 00:00:00 003			
10:42:50.924 INFO Video recording for test case 'Test Cases/UAegean Custodian Service EE' .			
#### **Execution Environment**

Host name:	katerina - DESKTOP-HB2KOME
OS:	Windows 10 64bit
Katalon version:	8.1.0.208
Browser:	Chrome 95.0.4638.69

TEST SUITE: UAegean Cust	todian Service	
Full Name: UA	UAegean Custodian Service	
Start / End / Elapsed: 202	ed: 2021-11-15 09:36:34.713 / 2021-11-15 09:38:11.522 / 00:01:36:809	
TEST CASE: Test Cases/UA	Aegean Custodian Service SI	
Full Name: UA Description: Tes	egean Custodian Service/Test Cases/UAegean Custodian Service SI sting LlAegean Custodian Service using SI eIDAS test user	
Start / End / Elapsed: 202	21-11-15 09:36:35.853 / 2021-11-15 09:38:11.522 / 00:01:35.669	
Status: PA	SSED	
TEST STEP: Description: Ope	en Browser	
openBrowse Start / End / Elapsed: 2021-1	er("") 1-15 09:36:38 667 / 2021-11-15 09:36:49 806 / 00:00:11 139	
09:36:40.369 INFO	Starting 'Chrome' driver	
09:36:40.652 INFO	Action delay is set to 0 milliseconds	
09:36:49.755 PASSED	Browser is opened with url: ''	
TEST STEP: Description: Nav	vigate to UAegean Custodian Service url	
navigateToL Start / End / Elansed: 2021-1	Jrl("http://dss.aegean.gr:3030/") 1.15.09-36:49.807 / 2021.11.15.09-36:51.516 / 00:00:01.709	
09:36:51.511 PASSED	Navigate to 'http://dss.aegean.gr:3030/' successfully	
TEST STEP: Description: Clic	ck to import your KYB profile	
click(findTes	stObject ("Object Repository/Page_Please Authenticate/a_Import"))	
O9:36:57.110 PASSED	ו-וס שימוס ו-סוס / 2021-ו-ו-ס שימוס / 2021-ו-וס שימוס / 2021-ו	
TEST STEP: Description: Fill	in Company name	
setText(find)	TestObject("Object Repository/Page_Grids/input_Company Name_companyName"), "FI TEST COMPANY 1")	
Start / End / Elapsed: 2021-1	1-15 09:36:57.118 / 2021-11-15 09:36:59.171 / 00:00:02.053	
09:36:59.168 PASSED	Text 'FI TEST COMPANY 1' is set on object 'Object Repository/Page_Grids/input_Company Name_companyName'	
setText(find	In company identifier TestObiect ("Obiect Repository/Page Grids/input Company identifier legal person identifier"). "TEST-1")	
Start / End / Elapsed: 2021-1	1-15 09:36:59.172 / 2021-11-15 09:37:00.447 / 00:00:01.275	
09:37:00.443 PASSED	Text 'TEST-1' is set on object 'Object Repository/Page_Grids/input_Company identifier_legal_person_identifier'	
TEST STEP: Description: Fill	in Company country	
Start / End / Elapsed: 2021-1	TestObject ("Object Repository/Page_Grids/Input_Company Country_country"), "FI") 1-15 09:37:00.447 / 2021-11-15 09:37:01.798 / 00:00:01.351	
09:37:01.792 PASSED	Text 'FI' is set on object 'Object Repository/Page_Grids/input_Company Country_country'	
TEST STEP: Description: Fill	in Representative name	
setText(find)	TestObject("Object Repository/Page_Grids/input_Name_name"), "FRANC") 1-15 09:37:01 799 / 2021-11-15 09:37:03 253 / 00:00:01 454	
09:37:03.250 PASSED	Text 'FRANC' is set on object 'Object Repository/Page_Grids/input_Name_name'	
TEST STEP: Description: Fill	in Representative surname	
setText(find)	TestObject ("Object Repository/Page_Grids/input_Sumame_sumame"), "NOVAC")	
09:37:04.788 PASSED	Test 'NOVAC' is set on object 'Object Repository/Page Grids/input Surname surname'	
TEST STEP: Description: Fill	in Representative email	
setText(find	TestObject("Object Repository/Page_Grids/input_email_email"), "francnovac@gmail.com")	
Start / End / Elapsed: 2021-1	1-15 09:37:04.791 / 2021-11-15 09:37:07.521 / 00:00:02.730	
109:37:07.517 PASSED	Text franchovac@gmail.com is set on object object Repository/Page_Grids/input_email_email	
click(findTes	stObject/"Object Repository/Page Grids/button Retrieve Data"))	
Start / End / Elapsed: 2021-1	1-15 09:37:07.522 / 2021-11-15 09:37:18.031 / 00:00:10.509	
09:37:18.028 PASSED	Object: 'Object Repository/Page_Grids/button_Retrieve Data' is clicked on	
TEST STEP: Description: Sel	ect country	
Start / End / Elapsed: 2021-1	1-15 09:37:18.032 / 2021-11-15 09:37:19.551 / 00:00:01.519	
09:37:19.545 PASSED	Object: 'Object Repository/Page_Create a new account/input_HERE_select-dropdown dropdown-trigger' is clicked on	
TEST STEP: executeJavaScr	ript("var element = document.getElementById('countrySelection');element.value = 'SI';", null)	
Start / End / Elapsed: 2021-1	1-15 09:37:19.553/2021-11-15 09:37:20.225/00:00:00.672  Execute lavaScript 'var element = document getElementBvId('countrySelection'):element value = 'SI':' successfully	
TEST STEP: Description: Clic	-k Next	
click(findTes	stObject("Object Repository/Page_Create a new account/a_Next"))	
Start / End / Elapsed: 2021-1	1-15 09:37:20.228 / 2021-11-15 09:37:23.365 / 00:00:03.137	
TEST STED: Description: Oli-	ouject. ouject Repository/Page_Create a new account/a_Next is Clicked on	
click/findTes	st Object/"Object Repository/Page_Log In/a_Uporabniko ime in geslo"))	
Start / End / Elapsed: 2021-1	1-15 09:37:23.365 / 2021-11-15 09:37:34.312 / 00:00:10.947	
09:37:34.300 PASSED	Object: 'Object Repository/Page_Log In/a_Uporabniko ime in geslo' is clicked on	
TEST STEP: Description: Fill	in username TradObject/"Object Describes//Descr. Delives/insult 5 restory empility "sideod@mollig=tescreat"	
Start / End / Elapsed: 2021-1	тезгоресц орресц керознолу/#age_mijava/input_E-nasiov_email/), "eldas1@mailinator.com") 1-15 09:37:34.313 / 2021-11-15 09:37:35.815 / 00:00:01.502	
09:37:35.809 PASSED	Text 'eidas1@mailinator.com' is set on object 'Object Repository/Page_Prijava/input_E-naslov_email'	
TEST STEP: Description: Fill	in password	
Start / End / Elapsed: 2021-1	dText(findTestObject("Object Repository/Page_Prijava/input_Geslo_password"), "3xuRXil+MEZxAmLRIatJig==") 1-15 09:37:35.816 / 2021-11-15 09:37:36 910 / 00:00:01.094	
09:37:36.905 PASSED	Text ****** has been set on object 'Object Repository/Page_Prijava/input_Geslo_password'	

TEST STEP: Description: Click Submit click(findTestObject("Object Repository/Page\_Prijava/button\_Potrdi")) 2021-11-15 09:37:36.911 / 2021-11-15 09:37:41.468 / 00:00:04.557 Start / End / Elapsed: 09:37:41.423 PASSED Object: 'Object Repository/Page\_Prijava/button\_Potrdi' is clicked on TEST STEP: Description: Enter Name setText(findTestObject("Object Repository/Page Log In/input Ime attributes0.selectedAttributeValue"), "Franc") Start / End / Elapsed: 2021-11-15 09:37:41.471 / 2021-11-15 09:37:44.252 / 00:00:02.781 09:37:44.220 PASSED Text 'Franc' is set on object 'Object Repository/Page\_Log In/input\_Ime\_attributes0.selectedAttributeValue' TEST STEP: Description: Enter Surname setText(findTestObject("Object Repository/Page\_Log In/input\_Priimek\_attributes1.selectedAttributeValue"), "Novac") d: 2021-11-15 09:37:44.253 / 2021-11-15 09:37:45.416 / 00:00:01.163 Start / End / Elapsed: 09:37:45.412 PASSED Text 'Novac' is set on object 'Object Repository/Page\_Log In/input\_Priimek\_attributes1.selectedAttributeValue' TEST STEP: Description: Enter Date of Birth setText(findTestObject("Object Repository/Page\_Log In/input\_Datum rojstva\_attributes2.selectedAtt\_cf0022"), "01-01-1970") Start / End / Elapsed: 2021-11-15 09:37:45.417 / 2021-11-15 09:37:46.610 / 00:00:01.193 09:37:46.608 PASSED Text '01-01-1970' is set on object 'Object Repository/Page\_Log In/input\_Datum rojstva\_attributes2.selectedAtt\_cf0022' TEST STEP: Description: Click Submit click(findTestObject("Object Repository/Page\_Log In/a\_Potrdi")) 2021-11-15 09:37:46.611 / 2021-11-15 09:38:00.744 / 00:00:14.133 Start / End / Elapsed: 09:38:00.741 PASSED Object: 'Object Repository/Page\_Log In/a\_Potrdi' is clicked on TEST STEP: Description: Sign the Declaration Form click(findTestObject("Object Repository/Page\_Grids/button\_Sign Declaration")) Start / End / Elapsed: 2021-11-15 09:38:00.744 / 2021-11-15 09:38:02.552 / 00:00:01.808 09:38:02.548 PASSED Object: 'Object Repository/Page\_Grids/button\_Sign Declaration' is clicked on TEST STEP: Description: Click Finish click(findTestObject("Object Repository/Page\_Grids/button\_Finish")) Start / End / Elapsed: 2021-11-15 09:38:02.552 / 2021-11-15 09:38:04.894 / 00:00:02.342 09:38:04.887 PASSED Object: 'Object Repository/Page\_Grids/button\_Finish' is clicked on TEST STEP: takeFullPageScreenshot() Start / End / Elapsed: 2021-11-15 09:38:04.895 / 2021-11-15 09:38:07.227 / 00:00:02.332 09:38:06.405 INFO 0 hidden object(s) 09:38:07.224 PASSED Taking screenshot successfully

grt	ids			<b></b> Gf	rids 🎔
	Build your KYB profile				
	MORE INFO				
	Company Details Form				
	Company Name	Company ide	ntifier		
	Company Country				
	Representative Form	Surname			
	email				
	RETRIEVE DATA				
	Co-financed by the Eu	uropean Union acility	University of the Aeg Engineering   i4m Lal	ean   Dpt of Financial and Management	t
Grant , Telecc Agreer	Agreement under the Connection Europ ommunications Sector ment number INEA/CEF/ICT/A2019/19:	e Facility (CEF) 26018	Web address   Dpt: <u>h</u> Web address   i4m La e-mail: i4mlab-course Service developed by	<u>ttp://www.fme.aegean.gr/</u> ab: <u>http://www.atlantis-group.gr/i4Mlab</u> es@aegean.gr / UAegean   i4m Lab © 2021	
TEST STEP: closeBrowser() Start / End / Elapsed: 2021-11-15 09:38:07.	.227 / 2021-11-15 09:38:09.299 / 00:00:02.072				
09:38:09.295         PASSED         Browser i           TEST STEP: Video         Start / End / Elapsed:         2021-11-15 09:38:11.           09:38:11.509         INFO         Video rec	.s closed .507/2021-11-1509:38:11.511/00:00:00.004 .ording for test case 'Test Cases/	'UAegean Custodi	ian Service SI' .		

#### **Execution Environment**

Host name:	katerina - DESKTOP-HB2KOME
OS:	Windows 10 64bit
Katalon version:	8.1.0.208
Browser:	Chrome 95.0.4638.69

TEST SUITE: UAegean Custodian Service	
Full Name: UAegean Custodian Service	
Start / End / Elapsed:         2021-11-17 17:14:52.478 / 2021-11-17 17:16:15.113 / 00:01:22.635	
Status: 1 test total, 1 passed, 0 failed, 0 error, 0 incomplete, 0 skipped	
TEST CASE: Test Cases/UAegean Custodian Service SE	
Full Name:         UAegean Custodian Service/Test Cases/UAegean Custodian Service SE           Description         Testing UAegean Custodian Service/Test Cases/UAegean Custodian Service SE	
Description: lesting UAegean Custodian Service using SE eIDAS test user	
Start / End / Elapsed: 2021-11-17 17:16:15:113 / 00:01:21:934	
Status: PASSED	
TEST STEP: openBrowser("")	
Start / End / Elapsed: 2021-11-17 17:14:55.275 / 2021-11-17 17:15:08.857 / 00:00:13.582	
17:14:56.889 INFO Starting 'Chrome' driver	
17:14:57.185 INFO Action delay is set to 0 milliseconds	
17:15:08.809 PASSED Browser is opened with url: ''	
TEST STEP: Description: Navigate to UAegean Custodian Service url	
navigateToUrl("http://dss.aegean.gr:3030/") Start / End / Elansed:	
17:15:10.318 PASSED Navigate to 'http://ds.aegean.gr:3030/' successfully	
TEST STEP: Description: Click to import your KYB profile	
click(findTestObject("Object Repository/Page_Please Authenticate/a_Import"))	
Start / End / Elapsed:         2021-11-17 17:15:10.326 / 2021-11-17 17:15:16.920 / 00:00:06.594	
1/:15:16.904 PASSED UDJECT: UDJECT Repository/Page_Please Authenticate/a_Import' is clicked on	
IEST STEP: Description: Fill in Company name	
Start / End / Elapsed: 2021-11-17 17:15:16.921 / 2021-11-17 17:15:18.834 / 00:00:01.913	
17:15:18.829 PASSED Text 'IE TEST COMPANY 1' is set on object 'Object Repository/Page_Grids/input_Company Name_companyName'	
TEST STEP: Description: Fill in Company identifier	
setText/findTestObject("Object Repository/Page_Grids/input_Company identifier_legal_person_identifier"), "TEST01") Start / End / Elansed: 2021-11-17 17-15-18 38/ 2021-1117 17-15-19 887.00:00:01 152	
17:15:19.983 PASSED Text 'TEST01' is set on object 'Object Repository/Page Grids/input Company identifier legal person identifier'	
TEST STEP: Description: Fill in Company country	
setText(findTestObject("Object Repository/Page_Grids/input_Company Country"), "IE")	
Start / End / Elapsed: 2021-11-17 17:15:19.988 / 2021-11-17 17:15:21.073 / 00:00:01.085	
17:15:21.07/0 PASSED Text 'IE' is set on object 'Ubject Repository/Page_Grids/input_Company Country_country'	
IEST STEP: Description: Hill in Representative name	
Start / End / Elapsed: 2021-11-17 17:15:21.074 / 2021-11-17 17:15:22.451 / 00:00:01.377	
17:15:22.448 PASSED Text 'Mohamed' is set on object 'Object Repository/Page_Grids/input_Name_name'	
TEST STEP: Description: Fill in Representative surname	
setText/findTestObject/"Object Repository/Page_Grids/input_Sumame_sumame"), "AI Samed")	
Junio End Feldy Engeneration (1922-4017-022-11117) (1922-020-110-102-02020-00-01-03) 17:15:23.820 PASSED Text 'Al Samed' is set on object 'Object Repository/Page Grids/input Surname surname'	
TEST STEP: Description: Fill in Representative email	
setText(findTestObject("Object Repository/Page_Grids/input_email_email"), "moh.samed@gmail.com")	
Start / End / Elapsed: 2021-11-17 17:15:23.826 / 2021-11-17 17:15:25.350 / 00:00:01.524	
17:15:25.340 PASSED Text 'moh.samed@gmail.com' is set on object 'Object Repository/Page_Grids/input_email_email'	
TEST STEP: Description: Click to Retrieve your KYB data	
CIRCK (mar rescublect; Object; Repositor)/r-age_Grassburger, Reineve Data )) Start / End / Elapsed: 2021-11-17 17:15:25:351 / 2021-11-17 17:15:32:904 / 00:00:07:553	
17:15:32.899 PASSED Object: 'Object Repository/Page_Grids/button_Retrieve Data' is clicked on	
TEST STEP: Description: Select Country	
click(findTestObject("Object Repository/Page_Create a new account/input_HERE_select-dropdown dropdown-trigger")) Start / End / Elansed: 2021-11-17_17:15:32.905 / 2021-11-17_17:15:33.883 / 00:00:00.778	
17:15:33.679 PASSED Object: 'Object Repository/Page Create a new account/input HERE select-drondown drondown-trigger' is clicked on	
TEST STEP: executeJavaScript("var element = document aetElementByld('countrySelection'):element value = 'SE':" null)	
Start / End / Elapsed: 2021-11-17 17:15:33.684 / 2021-11-17 17:15:33.919 / 00:00:00.235	
17:15:33.911 PASSED Execute JavaScript 'var element = document.getElementById('countrySelection');element.value = 'SE';' successfully	
TEST STEP: Description: Click Next	
click(findTestObject("Object Repository/Page_Create a new account/a_Next"))	
17:15:34.674 PASSED Object: 'Object Repository/Page Create a new account/a Next' is clicked on	
TEST STEP: Description: Select IdP	
click(findTestObject("Object Repository/Page_Proxy Service - Choose IdP/p_Test ID-tinst"))	
Start / End / Elapsed: 2021-11-17 17:15:34.683 / 2021-11-17 17:15:42.639 / 00:00:07.956	
17:15:42.626 PASSED Object: 'Object Repository/Page_Proxy Service - Choose IdP/p_Test ID-tjnst' is clicked on	
TEST STEP: Description: Select test user	
SelectOplionBy Value(intra lestObject("Object Repository/Page_sweden Connect Referens-IdP/select Vij person att legitimera dig_641737"), "199008199391", true) Start / End / Elapsed: 2021-11-17 17:15:42.640 / 2021-11-17 17:15:45.552 / 00:00:02.912	
17:15:45.548 PASSED All options with value '199008199391' are selected in object 'Object Repository/Page_Sweden Connect Referens-	
IdP/select Vlj person att legitimera dig _641737' using regular expression	
TEST STEP: Description: Click Connect	
Start / End / Elapsed: 2021-11-17 17:15:45:553 / 2021-11-17 17:15:52.869 / 00:00:07.316	

	UAegean	Custodian	Service	Test Log
--	---------	-----------	---------	----------

1/11/21, 0.041 W			onegean ou		t Eog
17:15:52.847 PASS	SED Object: '(	Object Repository/Page_Sweden Conne	ect Referens-	IdP/button_Legitimer	a' is clicked on
TEST STEP: Description	n: Consent	inst Papasitan/Paga SE alDAS Provy Sanjaa	Concent/a log	rod(conor"))	
Start / End / Elapsed: 2	2021-11-17 17:15:52.8	.869 / 2021-11-17 17:16:04.386 / 00:00:11.517	- Conseniva_Jag g	joukinier ))	
17:16:04.338 PASS	SED Object: '(	Object Repository/Page_SE eIDAS Pro	oxy Service -	Consent/a_Jag godkr	ner' is clicked on
TEST STEP: Description	n: Sign the Declara	ation Form			
Start / End / Elapsed: 2	2021-11-17 17:16:04.	.387 / 2021-11-17 17:16:06.092 / 00:00:01.705	ation"))		
17:16:06.090 PASS	SED Object: '(	Object Repository/Page_Grids/buttor	n_Sign Declar	ation' is clicked or	1
TEST STEP: Description	n: Click Finish				
Start / End / Elapsed: 2	2021-11-17 17:16:06.0	.093 / 2021-11-17 17:16:08.087 / 00:00:01.994			
17:16:08.084 PASS	SED Object: '(	Object Repository/Page_Grids/buttor	n_Finish' is	clicked on	
TEST STEP: takeFullPa	ageScreenshot()				
Start / End / Elapsed: 2	2021-11-17 17:16:08.0 EO Ø hidden (	.088 / 2021-11-17 17:16:10.109 / 00:00:02.021			
17:16:10.101 PASS	SED Taking sci	reenshot successfully			
	_	<b>N</b> <i>P</i>			
	arl	ids			III GRIDS
	3.6				
		Build your KVB profile			
		build your KTD profile			
		MORE INFO			
		Company Details Form			
		Company Name	Company ide	ntifier	
		Company Country			
		Representative Form			
		Name	Surname		
		email			
		RETRIEVE DATA			
		Co-financed by the Fur	onean Union		
	1 - 2 <sup>1</sup> -	Connecting Europe Eac	ility	University of the Aeg	ean   Dpt of Financial and Management
	***	* programme	inty	Engineering   i4m Lab	)
	Grant /	Agreement under the Connection Europe	Facility (CEE)	Web address   Dpt: <u>ht</u>	<u>tp://www.fme.aegean.gr/</u>
	Teleco	ommunications Sector	(0 <u>2</u> )	Web address   14m La	ib: <u>http://www.atlantis-group.gr/i4Mlab</u>
	Agreer	ment number INEA/CEF/ICT/A2019/1926	5018	Service developed by	llAegean li4m Lab © 2021
				Service developed by	
TEST STEP: closeBrow	/ser()				
Start / End / Elapsed: 2	2021-11-17 17:16:10.	.111 / 2021-11-17 17:16:12.956 / 00:00:02.845			
1/:10:12.952 PASS	SED Browser is	.s closed			
Start / End / Elapsed: 2	2021-11-17 17:16:15.	.104 / 2021-11-17 17:16:15.105 / 00:00:00.001			
17:16:15.105 INF	FO Video reco	cording for test case 'Test Cases/U	Aegean Custod	ian Service SE' .	

#### **Execution Environment**

Host name:	katerina - DESKTOP-HB2KOME
OS:	Windows 10 64bit
Katalon version:	8.1.0.208
Browser:	Chrome 95.0.4638.69

TEST SUITE: UAegean Custodian Service	
Full Name: UAegean Custodian Service	
Start / End / Elapsed: 2021-11-19 11:26:52.526 / 2021-11-19 11:28:12.918 / 00:01:20.392	
Status: I test total, I passed, V failed, V error, V incomplete, V skipped	
TEST CASE: Test Cases/TC1.1.1_UAegean_Custodian_Service_Login_IT	
Full Name:         UAegean Custodian Service/Test Cases/TC1.1.1_UAegean_Custodian_Service_Login_IT           Description         IT alDAS test user wants to import their KVR profile from the Custodian_Service	
Tao: TC1.1.1 IT	
Start / End / Elapsed: 2021-11-19 11:26:53.437 / 2021-11-19 11:28:12.918 / 00:01:19.481	
Status: PASSED	
TEST STEP: Description: Open Browser	
openBrowser("") Start / End / Elanead: 2021-11-10 11-26:55 613 / 2021-11-10 11-27:07 400 / 00:00:11 796	
11:26:57.237 INFO Starting 'Chrome' driver	
11:26:57.823 INFO Action delay is set to 0 milliseconds	
11:27:07.373 PASSED Browser is opened with url: '	
TEST STEP: Description: Navigate to UAegean Custodian Service url	
navigateToUrl("http://dss.aegean.gr:3030/")	
Start/End/Elapsed: 2021-11-19 11:27:07.410/2021-11-19 11:27:08.600/00:00:01.190	
TEST STEP- Description: Click to import your KYB profile	
click(findTestObject("Object Repository/Page_Please Authenticate/a_Import"))	
Start / End / Elapsed: 2021-11-19 11:27:08.600 / 2021-11-19 11:27:12.754 / 00:00:04.154	
11:27:12.750 PASSED Object: 'Object Repository/Page_Please Authenticate/a_Import' is clicked on	
IEST STEP: Description: Fill in Company name setText/findTestObject/"Object/"Object/Page, Grids/input, Company Name, company/Name, Company/Name, Company/Name	
Start / End / Elapsed: 2021-11-19 11:27:12.754 / 2021-11-19 11:27:14.857 / 00:00:02.103	
11:27:14.853 PASSED Text 'AT TEST COMPANY 1' is set on object 'Object Repository/Page_Grids/input_Company Name_companyName'	
TEST STEP: Description: Fill in Company identifier	
setText(findTestObject("Object Repository/Page_Grids/input_Company identifier_legal_person_identifier"), "000000a") Start / End / Elansed: 2021-11-19 11:27:14 858 / 2021-11-19 11:27:16 231 / 00:00:01 373	
11:27:16.220 PASSED Text '000000a' is set on object 'Object Repository/Page_Grids/input_Company identifier_legal_person_identifier'	
TEST STEP: Description: Fill in Company country	
setText(findTestObject("Object Repository/Page_Grids/input_Company Country_country"), "AT")	
Start / End / Elapsed: 2021-11-19 11:27:16.232 / 2021-11-19 11:27:17.364 / 00:00:01.132	
TEST STED: Description: Fill in Perforentative name	
setText/findTestObject("Object Repositorv/Page Grids/input Name name"). "Arianna")	
Start / End / Elapsed: 2021-11-19 11:27:17.365 / 2021-11-19 11:27:18.810 / 00:00:01.445	
11:27:18.806 PASSED Text 'Arianna' is set on object 'Object Repository/Page_Grids/input_Name_name'	
TEST STEP: Description: Fill in Representative surname	
set rextilling restored to be the restored to be th	
11:27:20.066 PASSED Text 'Garbini' is set on object 'Object Repository/Page_Grids/input_Surname_surname'	
TEST STEP: Description: Fill in Representative email	
setText(findTestObject("Object Repository/Page_Grids/input_email_email"), "ar.garbini@gmail.com")	
11:27:21.751 PASSED Text 'ar.garbini@gmail.com' is set on object 'Object Repository/Page Grids/input email email'	
TEST STEP: Description: Click to retrieve your KYB data	
click(findTestObject("Object Repository/Page_Grids/button_Retrieve Data"))	
Start / End / Elapsed:         2021-11-19 11:27:21.755 / 2021-11-19 11:27:27.712 / 00:00:05.957           11:27:27.700         DASSED         Object         Paperitory / Daga	
TEST STED: Description: Select sounds	
click(findTestObject/"Object Repository/Page Create a new account/input HERE select-dropdown dropdown-triager"))	
Start / End / Elapsed: 2021-11-19 11:27:27.713 / 2021-11-19 11:27:28.647 / 00:00:00.934	
11:27:28.643 PASSED Object: 'Object Repository/Page_Create a new account/input_HERE_select-dropdown dropdown-trigger' is clicked on	
TEST STEP: executeJavaScript("var element = document.getElementByld('countrySelection');element.value = 'IT';", null)	
Start / End / Elapsed: 2021-11-19 11:27:28.649 / 2021-11-19 11:27:28.895 / 00:00:00.246	
TEST STEP: Description: Click Next	
click(findTestObject("Object Repository/Page_Create a new account/a_Next"))	
Start / End / Elapsed: 2021-11-19 11:27:28.896 / 2021-11-19 11:27:29.804 / 00:00:00.908	
11:2/:29.800 PASSED Object: 'Object Repository/Page_Create a new account/a_Next' is clicked on	
IESISIEP: Description: UICK Next click/findTestObject/"Object Repositon/Page Consent/button Next"))	
Start / End / Elapsed: 2021-11-19 11:27:29.805 / 2021-11-19 11:27:33.910 / 00:00:04.105	
11:27:33.907 PASSED Object: 'Object Repository/Page_Consent/button_Next' is clicked on	
TEST STEP: Description: Click Next	
<i>click(findTestObject("Object Repository/Page_Consent/button_Next_1"))</i>	
11:27:38.809 PASSED Object: 'Object Repository/Page_Consent/button_Next_1' is clicked on	
TEST STEP: Description: Click elDAS Login	
click(findTestObject("Object Repository/Page_Italian eIDAS Login/span_Entra con SPID"))	
<b>Start / Eng / Elapseg:</b> 2021-11-19 11:27:38.814 / 2021-11-19 11:27:40.007 / 00:00:01.193	
I	

11:27:40.002 PASSED Object: 'Object Repository/Page\_Italian eIDAS Login/span\_Entra con SPID' is clicked on TEST STEP: Description: Select IdP click(findTestObject("Object Repository/Page\_Italian eIDAS Login/a\_Scegli il tuo provider SPID\_idpKey4")) 2021-11-19 11:27:40.008 / 2021-11-19 11:27:44.594 / 00:00:04.586 Start / End / Elapsed: 11:27:44.586 PASSED Object: 'Object Repository/Page\_Italian eIDAS Login/a\_Scegli il tuo provider SPID\_idpKey4' is clicked on TEST STEP: Description: Fill in username click(findTestObject("Object Repository/Page\_InfoCert IdP/input\_Nome utente dimenticato\_username")) 2021-11-19 11:27:44.597 / 2021-11-19 11:27:45.707 / 00:00:01.110 Start / End / Elapsed: 11:27:45.702 PASSED Object: 'Object Repository/Page\_InfoCert IdP/input\_Nome utente dimenticato\_username' is clicked on TEST STEP: setText(findTestObject("Object Repository/Page\_InfoCert IdP/input\_Nome utente dimenticato\_username"), "TESTEU01") 2021-11-19 11:27:45.708 / 2021-11-19 11:27:46.921 / 00:00:01.213 Start / End / Elapsed: 11:27:46.917 PASSED Text 'TESTEU01' is set on object 'Object Repository/Page\_InfoCert IdP/input\_Nome utente dimenticato\_username' TEST STEP: Description: Fill in password setEncryptedText(findTestObject("Object Repository/Page\_InfoCert IdP/input\_Password dimenticata\_password"), "9gMzsOKrOqpey0lC//F3Tg==") Start / End / Elapsed: 2021-11-19 11:27:46.921 / 2021-11-19 11:27:48.166 / 00:00:01.245 11:27:48.162 PASSED Text \*\*\*\*\*\* has been set on object 'Object Repository/Page\_InfoCert IdP/input\_Password dimenticata\_password' TEST STEP: Description: Click Enter click(findTestObject("Object Repository/Page\_InfoCert IdP/button\_Entra con SPID")) 2021-11-19 11:27:48.166 / 2021-11-19 11:27:50.027 / 00:00:01.861 Start / End / Elapsed: 11:27:50.023 PASSED Object: 'Object Repository/Page\_InfoCert IdP/button\_Entra con SPID' is clicked on TEST STEP: Description: Click Continue click(findTestObject("Object Repository/Page\_InfoCert IdP/button\_Continua")) d: 2021-11-19 11:27:50.027 / 2021-11-19 11:27:53.385 / 00:00:03.358 Start / End / Elapsed: 11:27:53.378 PASSED Object: 'Object Repository/Page\_InfoCert IdP/button\_Continua' is clicked on TEST STEP: Description: Click Submit click(findTestObject("Object Repository/Page\_Consent/button\_Submit")) Start / End / Elapsed: 2021-11-19 11:27:53.385 / 2021-11-19 11:28:02.712 / 00:00:09.327 11:28:02.708 PASSED Object: 'Object Repository/Page\_Consent/button\_Submit' is clicked on TEST STEP: Description: Sign the Declaration Form click(findTestObject("Object Repository/Page Grids/button Sign Declaration")) Start / End / Elapsed: 2021-11-19 11:28:02.712 / 2021-11-19 11:28:03.928 / 00:00:01.216 11:28:03.925 PASSED Object: 'Object Repository/Page\_Grids/button\_Sign Declaration' is clicked on TEST STEP: Description: Click Finish click(findTestObject("Object Repository/Page\_Grids/button\_Finish")) 2021-11-19 11:28:03.928 / 2021-11-19 11:28:06.827 / 00:00:02.899 Start / End / Elapsed: 11:28:06.823 PASSED Object: 'Object Repository/Page\_Grids/button\_Finish' is clicked on TEST STEP: takeFullPageScreenshot() Start / End / Elapsed: 2021-11-19 11:28:06.827 / 2021-11-19 11:28:08.813 / 00:00:01.986 11:28:08.146 INFO 0 hidden object(s) 11:28:08.805 PASSED Taking screenshot successfully

gr	ids			III GRIDS	<b>Y</b>
	Build your KYB profile				
	Company Details Form				
	Company Name	Company ide	ntifier		
	Company Country				
	Representative Form				
	Name	Surname			
	email				
	RETRIEVE DATA				
Grant Telec Agree	Co-financed by the Eu Connecting Europe Fa Agreement under the Connection Europ ommunications Sector ement number INEA/CEF/ICT/A2019/192	uropean Union acility e Facility (CEF) 26018	University of the Aeg Engineering   i4m Lal Web address   Dpt: <u>h</u> Web address   i4m La e-mail: i4mlab-course Service developed by	ean   Dpt of Financial and Management b t <u>tp://www.fme.aegean.gr/</u> ab: <u>http://www.atlantis-group.gr/i4Mlab</u> es@aegean.gr / UAegean   i4m Lab © 2021	
TEST STEP: closeBrowser() Start / End / Elapsed: 2021-11-19 11:28:08 11:28:10.726 PASSED Browser : TEST STEP: Video Start / End / Elapsed: 2021-11-19 11:28:12 11:28:12.915 INFO Video rec	3.814/2021-11-19 11:28:10.728/00:00:01.914 is closed 2.914/2021-11-19 11:28:12.915/00:00:00.001 cording for test case 'Test Cases/	TC1.1.1_UAegea	n_Custodian_Service	_Login_IT' .	

## Error-handling tests Test Log

#### **Execution Environment**

Host name:	katerina - DESKTOP-HB2KOME
OS:	Windows 10 64bit
Katalon version:	8.1.0.208
Browser:	Chrome 96.0.4664.45

TEST SUITE: Error-hand	ing tests
Full Name:	Error-handling tests
Start / End / Elapsed:	2021-11-30 16:00:36.223 / 2021-11-30 16:01:20.225 / 00:00:44.002 1 test total 1 passed <b>0 failed 0 error</b> 0 incomplete 0 skipped
Full Name:	Error-handling tests/Test Cases/TC2.1.1 NP_NO
Description:	The user fails to authenticate via eIDAS eID
Start / End / Elapsed:	2021-11-30 16:00:36.852 / 2021-11-30 16:01:20.225 / 00:00:43.373
Status:	PASSED
openBrow	Jpen Browser wser("")
Start / End / Elapsed: 202	1-11-30 16:00:38.693 / 2021-11-30 16:00:47.197 / 00:00:08.504
16:00:40.12/ INFO	Starting 'Chrome' driver
16:00:47.166 PASSE	D Browser is opened with url: ''
TEST STEP: Description: I	Vavigate to UAegean Custodian Service url
navigate Start / End / Elapsed: 202	FoUrl("http://dss.aegean.gr:3030/") 1-11-30 16:00:47.198 / 2021-11-30 16:00:48.650 / 00:00:01.452
16:00:48.646 PASSEI	Navigate to 'http://dss.aegean.gr:3030/' successfully
TEST STEP: Description: (	Jick to import your KYB profile TestΩhiert/"Ohiert Renositon//Page_ Please Authenticate/a_/moort"))
Start / End / Elapsed: 202	1-11-30 16:00:48.652 / 2021-11-30 16:00:52.137 / 00:00:03.485
16:00:52.132 PASSE	Object: 'Object Repository/Page_Please Authenticate/a_Import' is clicked on
TEST STEP: Description: F	"ill in Company name ndTestObject("Object Repository/Page_Grids/input_Company Name_companyName"), "UK TEST COMPANY 1")
Start / End / Elapsed: 202 16:00:53.861 PASSE	1-11-30 16:00:52.1387/2021-11-30 16:00:53.8647/00:00:01.726 D Text 'UK TEST COMPANY 1' is set on object 'Object Repository/Page Grids/input Company Name companyName'
TEST STEP: Description: I	Fill in Company identifier
setText(fi	ndTestObject("Object Repository/Page_Grids/input_Company identifier_legal_person_identifier"), "TEST0001")
16:00:55.502 PASSE	> Text 'TEST0001' is set on object 'Object Repository/Page_Grids/input_Company identifier_legal_person_identifier'
TEST STEP: Description: F	-ill in Company country
setText(fi Start / End / Elapsed: 202	ndTestObject("Object Repository/Page_Grids/input_Company Country_country"), "UK") 1-11-30 16:00:55 506 / 2021-11-30 16:00:56 536 / 00:00:01 030
16:00:56.533 PASSE	) Text 'UK' is set on object 'Object Repository/Page_Grids/input_Company Country_country'
TEST STEP: Description: F	-ill in Representative name
setText(fi	ndTestObject("Object Repository/Page_Grids/input_Name_name"), "phil") 1-11-30 16:00:56 537 / 2021-11-30 16:00:57 668 / 00:00:01 131
16:00:57.666 PASSE	<pre>&gt; Text 'phil' is set on object 'Object Repository/Page_Grids/input_Name_name'</pre>
TEST STEP: Description: F	-ill in Representative surname
setText(fi Start / End / Elapsed: 202	ndTestObject("Object Repository/Page_Grids/input_Surname_surname"), "claude") 1-11-30 16:00:57 669 / 2021-11-30 16:00:58 798 / 00:00:01 129
16:00:58.797 PASSE	) Text 'claude' is set on object 'Object Repository/Page_Grids/input_Surname_surname'
TEST STEP: Description: F	-ill in Representative email
setText(fi Start / End / Elapsed: 202	ndTestObject("Object Repository/Page_Grids/input_email_ernail"), "philclaude@grnail.com") 1-11-30 16:00:58.798 / 2021-11-30 16:01:00.159 / 00:00:01:361
16:01:00.155 PASSE	> Text 'philclaude@gmail.com' is set on object 'Object Repository/Page_Grids/input_email_email'
TEST STEP: Description: 0	Click to Retrieve your KYB data
click(find Start / End / Elapsed: 202	FestObject("Object Repository/Page_Grids/button_Retrieve Data")) 1-11-30 16:01:00.160 / 2021-11-30 16:01:05.881 / 00:00:05.721
16:01:05.878 PASSE	Object: 'Object Repository/Page_Grids/button_Retrieve Data' is clicked on
TEST STEP: Description: (	Click Next
Start / End / Elapsed: 202	TestObject("Object Repository/Page_Create a new account/a_Next")) 1-11-30 16:01:05.881 / 2021-11-30 16:01:06.583 / 00:00:00.702
16:01:06.581 PASSE	Object: 'Object Repository/Page_Create a new account/a_Next' is clicked on
TEST STEP: Description: (	Click Next
Click(find Start / End / Elapsed: 202	TestObject("Object Repository/Page_Consent/button_Next")) 1-11-30 16:01:06.583 / 2021-11-30 16:01:09.337 / 00:00:02.754
16:01:09.334 PASSE	Object: 'Object Repository/Page_Consent/button_Next' is clicked on
TEST STEP: Description: (	Click Next
Start / End / Elapsed: 202	TestObject ("Object Repository/Page_Consent/button_Next_1")) 1-11-30 16:01:09.338 / 2021-11-30 16:01:10.045 / 00:00:00.707
16:01:10.042 PASSE	<pre>&gt; Object: 'Object Repository/Page_Consent/button_Next_1' is clicked on</pre>
TEST STEP: Description: 0	Dick Next
Start / End / Elapsed: 202	resiOujeci { Oujeci Republicity/Page_Consent/button_Next_1_2")} 1-11-30 16:01:10.048 / 2021-11-30 16:01:11.416 / 00:00:01.368
16:01:11.413 PASSE	<pre>Object: 'Object Repository/Page_Consent/button_Next_1_2' is clicked on</pre>
TEST STEP: Description: I	ill in username
Start / End / Elapsed: 202	יוט ופארטקיבען "סקיבע הפוסאונטיאידאפיב"פושא"ג אעוויפוועכאווטר Service (ומיי)/וחמע" ופגד user_username"), "מוח") 1-11-30 16:01:11.418 / 2021-11-30 16:01:12.741 / 00:00:01.323
16:01:12.738 PASSE	) Text 'dim' is set on object 'Object Repository/Page_eIDAS Authentication Service (IdP)/input_Test user_username'
TEST STEP: Description: F	ill in password
Start / End / Elapsed: 202	лео нахципалевно усоц обуден керозногуладе_ето Аз Анитеписации зегисе (ислутприц_Password_password), хояк Г проот ( 1-11-30 16:01:12.742 / 2021-11-30 16:01:13.493 / 00:00:00.751
16:01:13.488 PASSE	) Text ****** has been set on object 'Object Repository/Page_eIDAS Authentication Service

1/30/21, 5:05 PM	Error-handling tests Test Log
1	(IdP)/input_Password_password'
TEST STEP: Description: (	Click Submit
click(find	FestObject("Object Repository/Page_eIDAS Authentication Service (IdP)/button_Submit"))
Start / End / Elapsed: 202	-11-30 16:01:13.495 / 2021-11-30 16:01:14.416 / 00:00:00.921
10:01:14.413 PASSE	object: object Repository/Page_EDAS Authentication Service (10P)/button_Submit is clicked on
Start / End / Elanced: 202	Screensnot() 11.20.450.414.418/2021.11.20.4501.17.148/20:00.22.720
16:01:16.891 TNFO	- 11-30 16.01.14.4167 2021-11-30 16.01.17.1467 00.00.02.730
16:01:17.146 PASSE	• Taking screenshot successfully
	deployed by
	UAegean   i4m Lab
	THE STATE OF THE ACCESS
	RBR/Rec
	Your eIDAS eID authentication failed.
	Please verify the credential you provided to your National eID provider and restart the process
	1
TEST STEP: closeBrowse	0
Start / End / Elapsed: 202	 I-11-30 16:01:17.150 / 2021-11-30 16:01:18.164 / 00:00:01.014
16:01:18.163 PASSE	) Browser is closed
TEST STEP: Video	
Start / End / Elapsed: 202	I-11-30 16:01:20.222 / 2021-11-30 16:01:20.223 / 00:00:00.001
16:01:20.222 INFO	Video recording for test case 'Test Cases/TC2.1.1_NP_NO' .

## **Error-handling tests Test Log**

#### **Execution Environment**

Host name:	katerina - DESKTOP-HB2KOME
OS:	Windows 10 64bit
Katalon version:	8.1.0.208
Browser:	Chrome 95.0.4638.69

TEST SUITE: Error-handling tests	
Full Name: Error-handling tests	
Start / End / Elapsed:         2021-11-22 10:39:10.680 / 2021-11-22 10:40:31.427 / 00:01:20.747           Starts         1 tott total / accord 0 folled 0 area 0 incomplete 0 alvinoid	
Status: I test total, I passed, V faned, V error, V incomplete, V skipped	
TEST CASE: Test Cases/TC2.2.1_CO_NO	
Full Name: Error-handling tests/ lest Cases/ I C2.2.1_CO_NO Description: The company does not exist	
Start / End / Elapsed: 2021-11-22 10:39:11.671 / 2021-11-22 10:40:31.427 / 00:01:19.756	
Status: PASSED	
TEST STEP: Description: Open Browser	
openBrowser("") Start / End / Elansed: 2021-11-22 10:39:15 680 / 2021-11-22 10:39:31 994 / 00:00:16 314	
10:39:20.433 INFO Starting 'Chrome' driver	
10:39:21.164 INFO Action delay is set to 0 milliseconds	
10:39:31.863 PASSED Browser is opened with url: ''	
TEST STEP: Description: Navigate to UAegean Custodian Service url	
navigateToUrl("http://dss.aegean.gr:3030/") Start / End / Elapsed: 2021-11-22 10:39:31.999 / 2021-11-22 10:39:34 572 / 00:00:02 573	
10:39:34.566 PASSED Navigate to 'http://dss.aegean.gr:3030/' successfully	
TEST STEP: Description: Click to import your KYB profile	
click(findTestObject("Object Repository/Page_Please Authenticate/a_Import"))	
10:39:40.861 PASSED Object: 'Object Repository/Page Please Authenticate/a Import' is clicked on	
TEST STEP: Description: Fill in Company name	
setText(findTestObject("Object Repository/Page_Grids/input_Company Name_companyName"), "FAKE COMPANY")	
Start / End / Elapsed: 2021-11-22 10:39:40.870 / 2021-11-22 10:39:44.421 / 00:00:03.551	
TEST STEP: Description: Fill in Company identifier	
setText/findTestObject("Object Repository/Page Grids/input Company identifier legal person identifier"), "12345")	
Start / End / Elapsed: 2021-11-22 10:39:44.421 / 2021-11-22 10:39:45.974 / 00:00:01.553	
10:39:45.971 PASSED Text '12345' is set on object 'Object Repository/Page_Grids/input_Company identifier_legal_person_identifier'	
IEST STEP: Description: Fill in Company country setTevt/findTestObject/"Object/Page Grids/(nout Company Country"), "CP")	
Start / End / Elapsed: 2021-11-22 10:39:45.975 / 2021-11-22 10:39:47.632 / 00:00:01.657	
10:39:47.629 PASSED Text 'GR' is set on object 'Object Repository/Page_Grids/input_Company Country_country'	
TEST STEP: Description: Fill in Representative name	
setText(findTestObject("Object Repository/Page_Grids/input_Name_name"), "phil") Start / End / Elapsed: 2021-11-22 10:39:47.633 / 2021-11-22 10:39:49.294 / 00:00:01.661	
10:39:49.288 PASSED Text 'phil' is set on object 'Object Repository/Page_Grids/input_Name_name'	
TEST STEP: Description: Fill in Representative surname	
setText(findTestObject("Object Repository/Page_Grids/input_Surname_surname"), "claude")	
10:39:50.877 PASSED Text 'claude' is set on object 'Object Repository/Page_Grids/input_Surname_surname'	
TEST STEP: Description: Fill in Representative email	
setText(findTestObject("Object Repository/Page_Grids/input_email_email"), "philclaude@gmail.com")	
Start / End / Elapsed:         2021-11-22 10:39:50.882 / 2021-11-22 10:39:53.212 / 00:00:02.330           10:39:53 189         DASSED         Text 'nhildlaude@gmail com' is set on object 'Object Repository/Page Grids/input email email'	
TEST STEP: Description: Click to Retrieve your KYB data	
click(findTestObject("Object Repository/Page_Grids/button_Retrieve Data"))	
Start / End / Elapsed: 2021-11-22 10:39:53.212 / 2021-11-22 10:39:59.914 / 00:00:06.702	
10:39:59.903 PASSED Object: 'Object Repository/Page_Grids/button_Retrieve Data' is clicked on	
click/findTestObject/"Object Repository/Page_Create a new account/a_Next"))	
Start / End / Elapsed: 2021-11-22 10:39:59.914 / 2021-11-22 10:40:01.112 / 00:00:01.198	
10:40:01.107 PASSED Object: 'Object Repository/Page_Create a new account/a_Next' is clicked on	
TEST STEP: Description: Click Next	
Start / End / Elapsed: 2021-11-22 10:40:01.113 / 2021-11-22 10:40:06.042 / 00:00:04.929	
10:40:06.037 PASSED Object: 'Object Repository/Page_Consent/button_Next' is clicked on	
TEST STEP: Description: Click Next	
Click(findTestObject("Object Repository/Page_Consent/button_Next_1")) Start / End / Elapsed: 2021-11-22 10:40:06.043 / 2021-11-22 10:40:07.219 / 00:00:01.176	
10:40:07.206 PASSED Object: 'Object Repository/Page_Consent/button_Next_1' is clicked on	
TEST STEP: Description: Click Next	
click(findTestObject("Object Repository/Page_Consent/button_Next_1_2"))	
10:40:09.209 PASSED Object: 'Object Repository/Page Consent/button Next 1 2' is clicked on	
TEST STEP: Description: Fill in username	
setText(findTestObject("Object Repository/Page_eIDAS Authentication Service (IdP)/input_Test user_username"), "dim")	
Start / End / Elapsed:       2021-11-22 10:40:09:21 / 2021-11-22 10:40:01.1.137 / 00:00:01.920         10:40:11.132       PASSED Text 'dim' is set on object 'Object Renository/Page eTDAS Authentication Service (TdP)/input Text user user user and the set of the set o	
TEST STEP: Description: Fill in password	
setEncryptedText(findTestObject("Object Repository/Page_eIDAS Authentication Service (IdP)/input_Password_password"), "zshkNrZ9xg8=")	
Start / End / Elapsed:         2021-11-22 10:40:11.138 / 2021-11-22 10:40:12.801 / 00:00:01.663           10:40:12:705         DASSED:         Toxt: ****** bas boon set on object / 0bject Penseiter://Dass atDAS Authoritisation Service	
10.40.12.735 PASSED TEXT THAS DEED SET ON OUJECT OUJECT REPOSITORY/PAGE_EIDAS AUTRENTICATION SERVICE	



TEST STEP: Video

 Start/End/Elapsed:
 2021-11-22 10:40:31.419/2021-11-22 10:40:31.423/00:00:00:00.004

 10:40:31.420
 INFO
 Video
 recording
 for
 test
 case
 Test
 Cases/TC2.2.1\_C0\_N0'

## Error-handling tests Test Log

#### **Execution Environment**

Host name:	katerina - DESKTOP-HB2KOME
OS:	Windows 10 64bit
Katalon version:	8.1.0.208
Browser:	Chrome 95.0.4638.69

TEST SUITE: Error-handling	tests
Full Name: Erro	ur-handling tests
Start / End / Elapsed: 202	1-11-22 10:28:51.230 / 2021-11-22 10:30:11.478 / 00:01:20.248
Status: 1 tes	st total, 1 passed, <b>0 failed, 0 error</b> , 0 incomplete, 0 skipped
TEST CASE: Test Cases/TC2	2.3.1_CO_NO-1
Full Name: Erro	vr-handling tests/Test Cases/TC2.3.1_CO_NO-1
Start / End / Elansod: 202	company does not exist with the specified company identifier 11 122 10-29-52 186 (2021 11 22 10-2011 472 (2021 10-202)
Status: PAS	3SED
TEST STEP: Description: Oper	n Browser
openBrowser	r("")
Start / End / Elapsed: 2021-11-	-22 10:28:55.355 / 2021-11-22 10:29:09.848 / 00:00:14.493
10:28:57.709 INFU	Starting Chrome driver
10:28:58.022 INFU A	Action delay is set to 0 milliseconds
TEST STED: Description: Novi	stores is opened with dri
navigateToUr	gale to oricigate lossibilitario control vice an ////http://dss.aegean.gr:3030/*/
Start / End / Elapsed: 2021-11	-22 10:29:09.849 / 2021-11-22 10:29:12.112 / 00:00:02.263
10:29:12.108 PASSED N	Navigate to 'http://dss.aegean.gr:3030/' successfully
TEST STEP: Description: Click	< to import your KYB profile
Start / End / Elapsed: 2021-11	Object("Object Repository/Fage_Flease Authenticate/a_import")) -2210:291:2112 / 2021-11-22 10:291:5782 / 00:00:03.670
10:29:15.778 PASSED (	Object: 'Object Repository/Page_Please Authenticate/a_Import' is clicked on
TEST STEP: Description: Fill in	n Company name
setText(findText)	estObject("Object Repository/Page_Grids/input_Company Name_companyName"), "UK TEST COMPANY 1")
Start / End / Elapsed: 2021-11-	-22 UC29:15./91/2021-11-22 UC29:17.90//UCUCU22.115 Tart !!!K TEST COMBANN 1: is set on object 'Object Repository/Page Grids/input Company Name companyName'
TEST STEP: Description: Fill it	
setText(findTe	estObject("Object Repository/Page_Grids/input_Company identifier_legal_person_identifier"), "TEST-0001")
Start / End / Elapsed: 2021-11	-22 10:29:17.907 / 2021-11-22 10:29:19.523 / 00:00:01.616
10:29:19.518 PASSED	Text 'TEST-0001' is set on object 'Object Repository/Page_Grids/input_Company identifier_legal_person_identifier'
TEST STEP: Description: Fill in	n Company country
Start / End / Elapsed: 2021-11	22 10:29:1524 / 2021-11-22 10:29:22.164 / 00:00:02.640
10:29:22.160 PASSED 1	Text 'UK' is set on object 'Object Repository/Page_Grids/input_Company Country_country'
TEST STEP: Description: Fill in	n Representative name
setText(findTe	estObject("Object Repository/Page_Grids/input_Name_name"), "phil") _22.10:29:22.165 / 2021.11.22.10:29:23.757 / 00:00:01 592
10:29:23.740 PASSED	Text 'phil' is set on object 'Object Repository/Page Grids/input Name name'
TEST STEP: Description: Fill in	n Representative surname
setText(findTe	estObject("Object Repository/Page_Grids/input_Surname_surname"), "claude")
Start / End / Elapsed: 2021-11-	-22 10:29:23.758 / 2021-11-22 10:29:25.456 / 00:00:01.698
TEOT OTED Descriptions Filling	Text claude is set on object object kepository/Page_drus/input_surname_surname
setText(findTi	n Representative email estObject/"Object Repositop//Page, Grids/input, email, email"), "objic/aude@gmail.com")
Start / End / Elapsed: 2021-11-	-22 10:29:25.457 / 2021-11-22 10:29:27.431 / 00:00:01.974
10:29:27.427 PASSED	Text 'philclaude@gmail.com' is set on object 'Object Repository/Page_Grids/input_email_email'
TEST STEP: Description: Click	c to Retrieve your KYB data
Start / End / Elapsed: 2021-11-	Object ("Object Repository/Page_Grids/button_Retrieve Data")) -22 10:29:27 432 / 2021-11-22 10:29:34.428 / 00:00:06.996
10:29:34.423 PASSED (	Object: 'Object Repository/Page_Grids/button_Retrieve Data' is clicked on
TEST STEP: Description: Click	k Next
click(findTest	Object Repository/Page_Create new account/a_Next"))
10:29:35.743 PASSED (	-2210:29:34.429/2021-11-2210:29:35.747/00:00:01.318 Object: 'Object Renository/Page Create a new account/a Next' is clicked on
TEST STEP: Description: Click	v Next
click(findTest	(Object ("Object Repository/Page Consent/button Next"))
Start / End / Elapsed: 2021-11-	-22 10:29:35.748 / 2021-11-22 10:29:40.596 / 00:00:04.848
10:29:40.591 PASSED (	<pre>Dbject: 'Object Repository/Page_Consent/button_Next' is clicked on</pre>
TEST STEP: Description: Click	(Next Which ("Which Reporting (Reco. Concept/Jutter, Next 1"))
Start / End / Elapsed: 2021-11	Cujeci (Cujeci (U)))))))))))))))))))))) (U) ) ) ) ) )
10:29:41.550 PASSED (	<pre>Dbject: 'Object Repository/Page_Consent/button_Next_1' is clicked on</pre>
TEST STEP: Description: Click	< Next
Click(findTest	Object("Object Repository/Page_Consent/button_Next_1_2")) -22.10:29:41.562 / 2021-11-22.10:29:43.451 / 00:00:01 889
10:29:43.445 PASSED (	Object: 'Object Repository/Page Consent/button Next 1 2' is clicked on
TEST STEP: Description: Fill in	n username
setText(findTe	estObject("Object Repository/Page_eIDAS Authentication Service (IdP)/input_Test user_username"), "dim")
Start / End / Elapsed: 2021-11-	-2210:29:43.451/2021-11-2210:29:45.172/00:00:01.721
TEST STEP: Description: Eill in	rever and the second on left on left vehosion Allage endes withen tration service (int)/luburlest nsel_nselume
setEncrvpted	IText(findTestObject("Object Repository/Page_eIDAS Authentication Service (IdP)/input_Password_password"). "zshkNrZ9xa8=")
Start / End / Elapsed: 2021-11	-22 10:29:45.173 / 2021-11-22 10:29:46.427 / 00:00:01.254
10:29:46.424 PASSED 1	<pre>lext ****** nas been set on object 'Object Repository/Page_eIDAS Authentication Service</pre>



 Start / End / Elapsed:
 2021-11-22 10:30:11.471 / 2021-11-22 10:30:11.472 / 00:00:00.001

 10:30:11.472
 INFO
 Video recording for test case 'Test Cases/TC2.3.1\_C0\_N0-1'

## Error-handling tests Test Log

#### **Execution Environment**

Host name:	katerina - DESKTOP-HB2KOME
OS:	Windows 10 64bit
Katalon version:	8.1.0.208
Browser:	Chrome 95.0.4638.69

TEST SUITE: Error-hand	ling tests
Full Name:	Error-handling tests
Start / End / Elapsed:	2021-11-22 10:22:03.134 / 2021-11-22 10:23:23.530 / 00:01:20.396
Status:	1 test total, 1 passed, <b>U failed, U error</b> , U incomplete, U skipped
TEST CASE: Test Cases	TC2.4.1_NP_CO_NO_GR_AT
Full Name:	Error-handling tests/Test Cases/TC2.4.1_NP_CO_NO_GR_AT
Start / End / Elapsed:	2021-11-22 10:22:04 170 / 2021-11-22 10:23:23 530 / 00:01:19 360
Status:	PASSED
TEST STEP: Description:	Open Browser
openBro	wser("")
Start / End / Elapsed: 202	-1-1-22 10:22:08.131 / 2021-11-22 10:22:26.702 / 00:00:18:571 Starting 'Chrome' driver
10:22:11.167 INFO	Action delay is set to 0 milliseconds
10:22:26.654 PASSE	D Browser is opened with url: ''
TEST STEP: Description:	Navigate to UAegean Custodian Service url
navigate	ToUrl("http://dss.aegean.gr:3030/")
Start / End / Elapsed: 202	1-11-22 10:22:26.703/2021-11-22 10:22:29.074/00:00:02:371
TEST STEP: Description:	
click(find	TestObject("Object Repository/Page_Please Authenticate/a_Import"))
Start / End / Elapsed: 202	1-11-22 10:22:29.075 / 2021-11-22 10:22:34.322 / 00:00:05:247
10:22:34.311 PASSE	D Object: 'Object Repository/Page_Please Authenticate/a_Import' is clicked on
IESI SIEP: Description:	HII II Company name indTestObject/"Object Repository/Page, Grids/input, Company Name, companyName"), "AT TEST COMPANY 1")
Start / End / Elapsed: 202	1-11-22 10:22:34.324 / 2021-11-22 10:22:36.297 / 00:00:01.973
10:22:36.293 PASSE	D Text 'AT TEST COMPANY 1' is set on object 'Object Repository/Page_Grids/input_Company Name_companyName'
TEST STEP: Description:	Fill in Company identifier
Start / End / Elapsed: 202	nd lestObject("Object Repository/Page_Grids/input_Company identifier_legal_person_identifier"), "000000a") 1-11-22 10:22:36.298 / 2021-11-22 10:22:37.651 / 00:00:01.353
10:22:37.642 PASSE	D Text '000000a' is set on object 'Object Repository/Page_Grids/input_Company identifier_legal_person_identifier'
TEST STEP: Description:	Fill in Company country
setText(f	indTestObject("Object Repository/Page_Grids/input_Company Country_country"), "AT")
10:22:38.816 PASSE	D Text 'AT' is set on object 'Object Repository/Page Grids/input Company Country country'
TEST STEP: Description:	Fill in Representative name
setText(f	indTestObject("Object Repository/Page_Grids/input_Name_name"), "phil")
Start / End / Elapsed: 202	1-11-22 10:22:38.823 / 2021-11-22 10:22:40.198 / 00:00:01.375
TEST STEP: Description:	
setText(f	ind TestObject ("Object Repository/Page Grids/input Surname surname"). "claude")
Start / End / Elapsed: 202	1-11-22 10:22:40.198 / 2021-11-22 10:22:41.679 / 00:00:01.481
10:22:41.675 PASSE	D Text 'claude' is set on object 'Object Repository/Page_Grids/input_Surname_surname'
TEST STEP: Description:	Fill in Representative email
Start / End / Elapsed: 202	1-11-22 10:22:41.680 / 2021-11-22 10:22:44.012 / 00:00:02:332
10:22:44.001 PASSE	D Text 'philclaude@gmail.com' is set on object 'Object Repository/Page_Grids/input_email_email'
TEST STEP: Description:	Click to Retrieve your KYB data
click(find Start / End / Elapsed: 202	TestObject("Object Repository/Page_Grids/button_Retrieve Data")) 1-11-22 10:22:44.013 / 2021-11-22 10:22:51.457 / 00:00:07 444
10:22:51.454 PASSE	D Object: 'Object Repository/Page_Grids/button_Retrieve Data' is clicked on
TEST STEP: Description:	Click Next
click(find	TestObject("Object Repository/Page_Create a new account/a_Next"))
10:22:52.564 PASSE	D Object: 'Object Repository/Page Create a new account/a Next' is clicked on
TEST STEP: Description:	Click Next
click(find	TestObject("Object Repository/Page_Consent/button_Next"))
Start / End / Elapsed: 202	1-11-22 10:22:52:570 / 2021-11-22 10:22:58.381 / 00:00:05.811
TEST STEP: Description:	Click Navt
click(find	TestObject("Object Repository/Page_Consent/button_Next_1"))
Start / End / Elapsed: 202	1-11-22 10:22:58.384 / 2021-11-22 10:22:59.445 / 00:00:01.061
10:22:59.442 PASSE	D Object: 'Object Repository/Page_Consent/button_Next_1' is clicked on
IESI SIEP: Description:	UICK NEXT
Start / End / Elapsed: 202	1-11-22 10:22:59.446 / 2021-11-22 10:23:02.082 / 00:00:02:636
10:23:02.075 PASSE	D Object: 'Object Repository/Page_Consent/button_Next_1_2' is clicked on
TEST STEP: Description:	Fill in username
Start / End / Elapsed: 202	nd IestObject("Object Repository/Page_eIDAS Authentication Service (IdP)/input_Test user_username"), "dim") 1-11-22 10:23:02.083 / 2021-11-22 10:23:03.691 / 00:00:01.608
10:23:03.683 PASSE	D Text 'dim' is set on object 'Object Repository/Page_eIDAS Authentication Service (IdP)/input_Test user_username'
TEST STEP: Description:	Fill in password
Start / End / Elansod	ptedText(findTestObject("Object Repository/Page_eIDAS Authentication Service (IdP)/input_Password_password"), "zshkNrZ9xg8=")
10:23:05.007 PASSE	D Text ****** has been set on object 'Object Repository/Page eIDAS Authentication Service
1	



Start / End / Elapsed: 2021-11-22 10:23:20.251 / 2021-11-22 10:23:21.394 / 00:00:01.143

10:23:21.394 PASSED Browser is closed

TEST STEP: Video

Start / End / Elapsed: 2021-11-22 10:23:23.528 / 2021-11-22 10:23:23.529 / 00:00:00.001 10:23:23.529 INFO Video recording for test case 'Test Cases/TC2.4.1\_NP\_CO\_NO\_GR\_AT' . University of the Aegean | i4m Lab GRIDS Services Process Flow November 2020



# GRIDS Services Process Flow Testing Instructions

The UAegean Custodian service has been co-financed by the Connecting Europe Facility (CEF) of the European Union (GRIDS Project | Grant Agreement No INEA/CEF/ICT/A2019/1926018/)



### Step 1: Access the GRIDS Services Starting pages (deployed at

http://gridsdemoclient.kompany.com:8999/wmd, http://gridsdemoclient.kompany.com:8999/rbi and http://gridsdemoclient.kompany.com:8999/adv); Get informed about the scope of the GRIDS project and its services and click the "**Next**" button<sup>1</sup>.

GRIDS KYB Custodian Demo Case [WA] DATENEERVICE
This is a demo service demonstrating the application potential of GRIDS, it implements a model of a financial intermediary capable of conducting compliance and KYS checks (from Your Business) processes, named 'GRIDS KYS Custodian'. The functionality provided by the GRIDS KYS Custodian reuses and extends the architecture and the core components of <u>CRIDS</u> or provided information them.
The GRUDS KY8 Custodian is connected with a simulated Service Provider offering cryptocurrency and stablecoin portfolio- building services, called Cryptokagean. Coponate customers creating an account with Cryptokagean should go through a process of identity vertication (CY) check). This process of delegate to the GRUDS KY8 Custodam which connects, through GRUDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider).
Earn more about GRDS and this specific case by following the links below: GRDS KYC Custodian, 2021 <u>Technical Document</u> GRDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRDS-eB Workshop on "Identity Attributes and</u> KYC: the transition to eIDAS 2.0 and AMLR."
Peter Bankridge:Clanto, Kompany, Austra, NYB and ANL, Establishing Business Identity for Regulated Industries [Summany, Presentation: Visite 1 Nation: Traintafyliou, UAegean IAm Lab, Greece, GRUS in vivo [Summany, Presentation, Video ]
Is continue the process dick the "Next" button Next The GRIDS KY8 Custodian Demo Case has been developed by the <u>GRIDS project. Usegean 44M Lab. Kompany</u> and <u>ATOS</u> <u>Blockupan Identity &amp; Privacy Unit</u>
Co-franced by the European Union Concertain Europe Facility
Grant Agreement under the Connection Europe Facility (CEP) Telecommunications Sector Agreement number INEA/CEF/ACT/A2019/1926018
GRIDS KYB Custodian Demo Case 🔀 Raiffeisen Bank
This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KTB checks (Know Your Business) processer, named 'GRIDS KYB Custodian'. The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS</u> project inflavioutage. The GRIDS KYB Custodian's connected with a simulated Service Provider offering cryptocurrency and stablecoin portfolio- building envice, called Cryptogeneeu, Caporate customers creating an account with Cryptochesgean should go through a process of identity writefaction (KYB check). This process is delegated to the GRIDS KYB Custodian kit Crock through GRIDS AFR, with to demo DEBA's Providers, Provided Set Other GRIDS KYB Custodian with Cryptochest functionality of a real KYC Complexity of the Check of the context of the complexity of the complexity of the CRIC KYB Custodian with Cryptochest functionality of a real KYC Complexity of the CRIDS AFR (Cryptochest CRIDS KYB Custodian with Cryptochest CRIC) process of identity write complexity of the context process of complexity of a real KYC Cryptochest CRIC KYB (CRIC) CRIDS AFR (CRIC) CRIDS AFR (CRIC) CRIDS CRIC) CRIDS CRIC (CRIC) CRIDS CRIC) CRIDS CRIC) CRIDS CRIC (CRIC) CRIDS CRIC) CRIDS CRIC)
provery, Learn more about GRIDS and this specific case by following the links below: GRIDS KVIC Custodian, 2021, <u>Technical Documents</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Trianta-Milou, in the <u>GRIDS-self Workshoo on "Identity Attributes and</u> <u>KVC: the transition to eIDAS-20 and AMLRS.</u>
Peter Bankholdes-Calkon, Kompany, Austria, IVB and AML, Establishing Business Identity for Regulated Industries [Summany, Presentation: Sideo ] <u>Nikos Triantafyllou</u> , UAegean iAm Lab, Greece, GRIDS in vivo [Summany, <u>Presentation Video ]</u>
To continue the process click the "Next" button Next
Co-financed by the European Union Connecting Europe Facility Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018
GRIDS KYB Custodian Demo Case ADVOKAT
This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KVB checks (Know Your Business) processes, named 'GRIDS KVB Custodian'. The functionality provided by the GRIDS KVB Custodian reuses and extends the architecture and the core components of <u>CRIDS</u> arcticet infrastructure. The GRIDS KVB Custodian's connected with a simulated Service Provider offering crystocurrency and stablecoin portfolio- building services, called Crystochapean. Corporate customer creating an accurate with Crystochapean hould go through a process of identity verification (VKB check). This process is delegated to the GRIDS KVB Custodian which connects, through GRIDS APIN, with two demo Data Providers, providend by Kompany (they reproduce the business functionality of a real KVC provider).
Learn more about GBDS and this specific case by following the links below GBDS KYC Custodian, 2021, <u>Excluded Booument</u> GBDS preceduation by Peter Bandwade Claybon and Nikos Triantafyliou, in the <u>GBDS-xEB Workshop on "Identity Attributes and</u> <u>KYC: the transition to xEDAS 2.0 and AMR.R.</u>
etter examinings-subjects Kompany, Austria, KYB and AML, Establishing Business identify for Kegulated Industries [ <u>Summary</u> , <u>Presentation Video</u> ] <u>Nilos: Transtellow</u> , Udegean idm Lab, Greece, GRIDS in vivo [ <u>Summary, Presentation, Video</u> ]
The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project. Ubargean IAM Lab. Kompany</u> and <u>ATOS</u> Blockshain Jdentity & Privacy Unit
Co-financed by the European Union Connecting Europe Facility Grant Agreement under the Connection Europe Facility (CEP) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

<sup>1</sup>Note that all the services have similar process flows so we present only the flow beginning from the <u>http://gridsdemoclient.kompany.com:8999/wmd</u> starting page, but please test all of them.

**Step 2**: Start the process of registration and open an institutional account by clicking the "**Company Declaration**" button; Completion of related information (Company details Form); Click the "**Retrieve Data**" button.





#### GRIDS KYB Custodian Demo Case [WA] DATENSERVICE

Company details	
Company name*	
FI TEST COMPANY 8	
Company identifier*	
TEST-8	
Company country*	
FI	

Retrieve Data



**Step 3**: Start the authentication via GRIDS process, using your eIDAS eID, by selecting your country of origin; Click the "**Next**" button; Accept the request for your basic information by clicking the "**Next**" button<sup>2</sup>.

deployed by UAegean i4m Lab	ENVERTY OF THE ADDEAN	
Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE. The eIDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service. Select Your Country of Origin GREEC CANCEL NEXT	Instructions About eIDAS eID	



<sup>&</sup>lt;sup>2</sup> This button/screenshot may be slightly different depending on your country of origin.



**Step 4**: Accept the request for your additional information by clicking the "**Next**" button; Selection of Identity Provider<sup>3</sup>.



<sup>&</sup>lt;sup>3</sup> These buttons/screenshots may be slightly different depending on your country of origin.

*Step 5*: Completion of Username and Password fields; Consent to send your eIDAS eID attributes by clicking the **"Submit**" button.





**Step 6**: Confirm your affiliation with the Company by clicking the **"Confirm**" button; Presentation of the generated KYB profile; Review the correctness of the generated KYB profile.



Step 7: Complete the process by clicking the "Finish" button; Thank you message.



Co-financed by the European Uhion Connecting Europe Facility Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018





# increasinG tRust with eld for Developing buSiness D5.1 Test Preparation and Execution report

# Annex 3: Real Test Users Results

This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>.

The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical</u> <u>Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-elB Workshop on</u> <u>"Identity Attributes and KYC: the transition to elDAS 2.0 and AMLR."</u>

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [ Summary, Presentation, Video ] Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [Summary, Presentation, Video ]

To continue the process click the "Next" button



The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u>, <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS</u> <u>Blockchain, Identity & Privacy Unit</u>



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

ADVOKAT is the largest provider of legal software in Austria. More than 2,300 law firms and companies with more than 15,000 workstations currently work with programmes from ADVOKAT.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Co-financed by the European Union Connecting Europe Facility Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

Company details	
Company name*	
AT TEST COMPANY 6	
Company identifier*	
000000g	
Company country*	
AT	



Co-financed by the European Union Connecting Europe Facility Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

# deployed by **UAegean|i4m Lab**

Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The elDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Select Your Country of Origin BELGIUM



UNIVERSITY OF THE ADDEAN



NEXT



About

# Log on to online public services

## Choose your digital key to log in

Digital key(s) with eID or digital identity

LOG IN



#### Important to know!

Once you have logged in, you automatically have access via CSAM to other online government services secured with the same digital key. This applies as long as your browser window is active.

0



.be

# Need help?

- How safe are the different digital keys?
- · What are the possibilities of identifying with a smartphone or tablet?
- What do I need to do if I suspect someone else is misusing my digital keys?
- · Does the public service have access to my data when I use my digital keys?
- · How can I safely log off from the online government services?
- All questions

Unable to find what you were looking for? Read our <u>help page</u> and quickly find an answer to your question.

Need help?

A A ()

# with level of assurance high is requesting the following attributes

Step 3 | 3

Your resume Natural Person National Identifier J. First Name Hilde Maria Family Name Strubbe Date of Birth



Cancel Submit



<b>EXTERNATION OF CUSTODIAN</b>			
Registration / Verification — Mandate Validation —	3 KYB Profile	— 4 Register with us	Profile KYB profile (Finish or
Company KYB profile retrieved			Register)
Company			1. Finish: Your KYB Profile has been generated successfully. In order to redirect back to the service that initiated the KYB check please complete this step (Finish).
Legal Company Name	AT TEST COMPANY 6		2 Pasister Additionally you can
Company Identifier	000000g		2. Register: Additionally, you can instantly generate a publicly Verifiable KYB profile of your Company and store
Sub Jurisdiction	AT		opting in for this feature you will enable Regulation Supervision Authorities.
VAT Registration Number			government bodies and other qualified entities, the possibility to instantly Verify the KVB attributes of your
Trading Status	LIVE		Company, thus facilitating and simplifying your dealings with these
SIC	0		parties. To do so click "Register".
LEI			
Company Address			

### Legal Representative

Hilde Maria	
Strubbe	
be	
REGISTER FINISH	
	Hilde Maria Strubbe be REGISTER FINISH



The GRIDS KYB Custodian Service has been co-financed by the <u>Connecting Europe</u> <u>Facility (CEF)</u> of the European Union | GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018 Developed by <u>UAegean i4m Lab.</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>



# Thank you for registering to Advocat as a Corporate Customer. The complete profile of your Company was generated as follows:

address:	
birthdate:	1971-01-18
trading_status:	LIVE
sic:	0
given_name:	Hilde Maria
vat_registration:	
lei:	
business_role:	
legal_name:	AT TEST COMPANY 6
sub_jurisdiction:	AT
personal_number:	be/gr/nyjecxsrdhcjchaprk1cnyfobqi2igpsfho4fd4aqylba1wskrptr3jhaqlnqx5ddw==
legal_person_identifier:	00000g
family name:	Strubbe

A member of our Customer Relationships Team will contact you directly very shortly.

Home



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>. The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and</u> <u>AMLR.</u>"

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [Summany, Presentation, Video

Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [ Summary, Presentation, Video ]

To continue the process click the "Next" button Next

The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u> <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS Blockchain</u>, <u>Identity &</u> <u>Privacy Unit</u>



Co-financed by the European Union Connecting Europe Facility Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018
ADVOKAT is the largest provider of legal software in Austria. More than 2,300 law firms and companies with more than 15,000 workstations currently work with programmes from ADVOKAT.

Please fill out the form below to begin the registration process and open an institutional account with us Company Declaration



Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Company details	
Company name*	
FI TEST COMPANY 7	
Company identifier*	
TEST-7	
Company country*	
FI	



# deployed by UAegean|i4m Lab

Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The elDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Select Your Country of Origin ESTONIA



UNIVERSITY OF THE AEGEAN



NEXT



About

# Secure authentication in agency e-services РУССКИЙ ENGLISH **RIIGI AUTENTIMISTEENUS** ి= ID card Mobile ID ID card To log in to the RIA eIDAS-Node service, you need a card reader and a valid ID card. Insert the ID card into the card reader and press "Continue". continue Return to service provider Help from id.ee





More about the state authentication service

# eidas idp

Adacom S.A. - Service Provider with level of assurance http://eidas.europa.eu/loa/high is requesting the following attributes

Your resume Natural Person

Family Name

XYSTRA

First Name

AIKATERINI

Date of Birth

·11-09

National Identifier

A A O





The GRIDS KYB Custodian Service has been co-financed by the <u>Connecting Europe</u> <u>Facility (CEF)</u> of the European Union | GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018 Developed by <u>UAegean i4m Lab</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>



	an
--	----

	Registration / Verification	_ 🕗	Mandate Validat
-			

3 KYB Profile 4 Register with us Profile

3. KYB profile (Finish

or Register)

#### Company KYB profile retrieved

Company		<ol> <li>Finish: Your KYB Profile has been generated successfully. In order to redirect back to the service that initiated the KYB check please complete this step convicts.</li> </ol>
LEI		(Finish).
Company Address		<ol> <li>Register: Additionally, you can instantly generate a publicly Verifiable KYB profile of your Company and store</li> </ol>
Trading Status	LIVE	it in the system's public registry. By opting in for this feature you will enable Regulation Supervision Authorities.
Company Legal Name	FI TEST COMPANY 7	government bodies and other qualified entities, the possibility to instantly
Subjurisdiction	FI	<ul> <li>Verify the KYB attributes of your Company, thus facilitating and simplifying your dealings with these</li> </ul>
SIC	٥	parties. To do so click "Register". To learn more about Verifiable KYB data click here
VAT Registration Number		θ
Company Registration Number	TEST-7	
Legal Representative		
Date of Birth	1-09	
Role within Company		
Given Name	AIKATERINI	
Familty Name	XYSTRA	
Personal Identifier	ee 090	
BACK	REGISTER FINISH	l
The GRIDS KYB Cus Facility (CEF) of the l	stodian Service has been co-financed by the <u>Connecting Europe</u> Develo European Union   <u>GRIDS</u>	ped by <u>UAegean i4m Lab., Kompany</u> and <u>Consortium</u>

GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018

Contact: 🖂 in

Thank you for registering to Advocat as a Corporate Customer. The complete profile of your Company was generated as follows:

address: birthdate: 11-09 LIVE trading\_status: 0 sic: AIKATERINI given name: vat\_registration: lei: business\_role: legal\_name: FI TEST COMPANY 7 sub\_jurisdiction: FI 90 personal\_number: ee, legal\_person\_identifier: TES1-7 family\_name: **XYSTRA** 

A member of our Customer Relationships Team will contact you directly very shortly. <u>Home</u>



This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>.

The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical</u> <u>Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-elB Workshop on</u> <u>"Identity Attributes and KYC: the transition to elDAS 2.0 and AMLR."</u>

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [ Summary, Presentation, Video ] Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [Summary, Presentation, Video ]

To continue the process click the "Next" button



The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u>, <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS</u> <u>Blockchain, Identity & Privacy Unit</u>



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

ADVOKAT is the largest provider of legal software in Austria. More than 2,300 law firms and companies with more than 15,000 workstations currently work with programmes from ADVOKAT.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Company details	
Company name*	
UK TEST COMPANY 4	
Company identifier*	
TEST0004	
Company country*	
UK	



## deployed by UAegean|i4m Lab

**Identify with eIDAS eID:** You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The elDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Select Your Country of Origin SPAIN

ANCEL

NEXT



UNIVERSITY OF THE APOTAN







	Confirmar	l.	
	Cancelar		
			Accesi





# Identificación europea con elD extranjero

Por favor, confirme que desea enviar la siguiente información al proveedor de servicios europeo pulsando el botón Enviar.

Apellidos: PEREZ BAUN Nombre: JUAN CARLOS Fecha de Nacimiento: Identificador Nacional:



Accesibilidad





Registration / Verification	Mandate Validation	3 KYB Profile	4 Register with us
-----------------------------	--------------------	---------------	--------------------

#### Company KYB profile retrieved

#### Company

Legal Company Name	UK TEST COMPANY 4
Company Identifier	TEST0004
Sub Jurisdiction	UK
VAT Registration Number	
Trading Status	LIVE
SIC	0
LEI	

**Company Address** 

#### Profile KYB profile (Finish or Register)

1. Finish: Your KYB Profile has been generated successfully. In order to redirect back to the service that initiated the KYB check please complete this step (Finish).

2. Register: Additionally, you can instantly generate a publicly Verifiable KYB profile of your Company and store it in the system's public registry. By opting in for this feature you will enable Regulation Supervision Authorities, government bodies and other qualified entities, the possibility to instantly Verify the KYB attributes of your Company, thus facilitating and simplifying your dealings with these parties. To do so click "Register".



#### Legal Representative

First Name	JUAN CARLOS
Last Name	PEREZ BAUN
eIDAS eID Person Identifier	es/el
Date of Birth	
Business Role	
BACK	REGISTER FINISH



The GRIDS KYB Custodian Service has been co-financed by the <u>Connecting Europe</u> Facility (CEF) of the European Union | GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018 Developed by <u>UAegean i4m Lab</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>



Thank you for registering to Advocat as a Corporate Customer. The complete profile of your Company was generated as follows:

LIVE
0
JUAN CARLOS
UK TEST COMPANY 4
UK
es/el/
TEST0004
PEREZ BAUN

A member of our Customer Relationships Team will contact you directly very shortly.

<u>Home</u>





This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>.

The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-</u> elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and AMLR."

<u>Peter Bainbridge-Clayton</u>, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [<u>Summary</u>, <u>Presentation</u>, <u>Video</u>] Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [Summary, Presentation, Video]

To continue the process click the "Next" button

Next



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018



ADVOKAT is the largest provider of legal software in Austria. More than 2,300 law firms and companies with more than 15,000 workstations currently work with programmes from ADVOKAT.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sect



Company name*		
FI TEST COMPANY 6		
Company identifier*		
TEST-6		
Company country*		
FI		



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector

Screenshot umber INEA/CEF/ICT/A2019/1926018



**Identify with eIDAS eID:** You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The elDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Instructions

Select Your Country of Origin ITALY









# ADACOM S.A. - SERVICE PROVIDER WITH LEVEL OF ASSURANCE IOW 2 IS REQUESTING THE FOLLOWING ATTRIBUTES

Step**1** | 3

# USE YOUR NATIONAL eID TO ACCESS ONLINE SERVICES



# YOUR BASIC INFORMATION

**NATURAL PERSON** 

Family Name

First Name

Date of Birth

✓ Uniqueness Identifier ?







# ADACOM S.A. - SERVICE PROVIDER WITH LEVEL OF ASSURANCE IOW 2 IS REQUESTING THE FOLLOWING ATTRIBUTES

Step **2** | 3

#### YOUR ADDITIONAL INFORMATION

If you don't provide information you may be denied.



USE YOUR NATIONAL eID TO ACCESS ONLINE SERVICES

 $\rightarrow$ 



# **Entra con SPID**

SPID è il Sistema Pubblico di Identità Digitale italiano. Se sei già in possesso di una identità SPID accedi con le credenziali del tuo gestore. Per maggiori informazioni su SPID consulta il sito www.spid.gov.it.



# Entra con CIE

La Carta di Identità Elettronica consente l'accesso ai servizi digitali della PA italiana e dei paesi membri aderenti al regolamento eIDAS. Per maggiori informazioni consulta il sito del Ministero dell'Interno.



# FICEP

FICEP è il gateway che consente ai cittadini italiani di accedere con la proprio crodenziali SPID o con la CIE ai servizi online di altri Paesi FII che supportano la pormativa comparizzazione di altri Paesi FII che supportano la pormativa







# A A **①**

# ADACOM S.A. - SERVICE PROVIDER WITH LEVEL OF ASSURANCE IOW 2 IS REQUESTING THE FOLLOWING ATTRIBUTES

Step **3** | 3

# USE YOUR NATIONAL eID TO ACCESS ONLINE SERVICES



#### YOUR RESUME

#### **NATURAL PERSON**

First Name

Romualdo

Family Name

Carbone

IT

Date of Birth

1960-09-03

Uniqueness Identifier

783





The GRIDS KYB Custodian Service has been co-financed by the Connecting	Europe	Developed by UAegean i4m Lab, Kompany and
Facility (CEF) of the European Union I	Screenshot	GRIDS Consortium





Thank you for registering to Advocat as a Corporate Customer. The complete profile of your Company was generated as follows:

address:	
birthdate:	1960-09-03
trading_status:	LIVE
sic:	[]
given_name:	Romualdo
vat_registration:	
lei:	
business_role:	
legal_name:	FI TEST COMPANY 6
sub_jurisdiction:	FI
personal_number:	it/ '83
legal_person_identifier:	TEST-6
family_name:	Carbone

A member of our Customer Relationships Team will contact you directly very shortly.

Home



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sect Screenshot umber IN

Screenshot umber INEA/CEF/ICT/A2019/1926018

#### GRIDS KYB Custodian Demo Case Kaiffeisen Bank

This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>. The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider).

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and</u> <u>AMLR.</u>"

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [ Summary, Presentation, Video ]

Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [ Summary, Presentation, Video ]

To continue the process click the "Next" button Next

The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u>. <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS Blockchain</u>, <u>Identity &</u> <u>Privacy Unit</u>



# GRIDS KYB Custodian Demo Case Raiffeisen Bank

The no. 1 for corporates: For us, serving our customers does not only mean offering a full range of products – it means tailoring solutions that enable our clients to grow and nurture their business. Product specialists and experts are continuously working on innovations to make your financial life easier.

Please fill out the form below to begin the registration process and open an institutional account with us Company Declaration

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



# GRIDS KYB Custodian Demo Case Raiffeisen Bank

Company details	
Company name*	
AT TEST COMPANY 6	
Company identifier*	
000000g	
Company country*	
AT	



# deployed by **UAegean|i4m Lab**

Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The elDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Select Your Country of Origin BELGIUM



UNIVERSITY OF THE ADDEAN



NEXT



About

### Log on to online public services

#### Choose your digital key to log in

Digital key(s) with eID or digital identity

LOG IN



#### Important to know!

Once you have logged in, you automatically have access via CSAM to other online government services secured with the same digital key. This applies as long as your browser window is active.

0



.be

#### Need help?

- How safe are the different digital keys?
- · What are the possibilities of identifying with a smartphone or tablet?
- What do I need to do if I suspect someone else is misusing my digital keys?
- · Does the public service have access to my data when I use my digital keys?
- · How can I safely log off from the online government services?
- All questions

Unable to find what you were looking for? Read our <u>help page</u> and quickly find an answer to your question.

Need help?

A A ()

## with level of assurance high is requesting the following attributes

Step 3 | 3

Your resume Natural Person National Identifier J. First Name Hilde Maria Family Name Strubbe Date of Birth



Cancel Submit


<b>EXTERNATION OF CUSTODIAN</b>			
Registration / Verification — Mandate Validation —	3 KYB Profile	— (4) Register with us	Profile KYB profile (Finish or
Company KYB profile retrieved			Register)
Company			1. Finish: Your KYB Profile has been generated successfully. In order to redirect back to the service that initiated the KYB check please complete this step (Finish).
Legal Company Name	AT TEST COMPANY 6		2 Pasister Additionally you can
Company Identifier	000000g		2. Register: Additionally, you can instantly generate a publicly Verifiable KYB profile of your Company and store
Sub Jurisdiction	AT		opting in for this feature you will enable Regulation Supervision Authorities.
VAT Registration Number			government bodies and other qualified entities, the possibility to instantly Verify the KVB attributes of your
Trading Status	LIVE		Company, thus facilitating and simplifying your dealings with these
SIC	0		parties. To do so click "Register".
LEI			
Company Address			

#### Legal Representative

Hilde Maria	
Strubbe	
be	
REGISTER FINISH	
	Hilde Maria Strubbe be REGISTER FINISH



The GRIDS KYB Custodian Service has been co-financed by the <u>Connecting Europe</u> <u>Facility (CEF)</u> of the European Union | GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018 Developed by <u>UAegean i4m Lab.</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>



This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>. The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider).

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and</u> <u>AMLR.</u>"

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [ Summary, Presentation, Video ]

Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [ Summary, Presentation, Video ]

To continue the process click the "Next" button Next

The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u>. <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS Blockchain</u>, <u>Identity &</u> <u>Privacy Unit</u>



The no. 1 for corporates: For us, serving our customers does not only mean offering a full range of products – it means tailoring solutions that enable our clients to grow and nurture their business. Product specialists and experts are continuously working on innovations to make your financial life easier.

Please fill out the form below to begin the registration process and open an institutional account with us Company Declaration

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Company details	
Company name*	
IE TEST COMPANY 1	
Company identifier*	
TEST02	
Company country*	
IE	



# deployed by UAegean|i4m Lab

Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The eIDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Select Your Country of Origin **ESTONIA** 

UNIVERSITY OF THE AEGEAN



NEXT



eIDAS eID

#### Secure authentication for e-services

**EESTI** РУССКИЙ



# eidas idp

Adacom S.A. - Service Provider with level of assurance http://eidas.europa.eu/loa/high is requesting the following attributes

Your resume Natural Person

Family Name

XYSTRA

First Name

AIKATERINI

Date of Birth

-11-09

National Identifier

90

Cancel Submit

A A O





The GRIDS KYB Custodian Service has been co-financed by the <u>Connecting Europe</u> <u>Facility (CEF)</u> of the European Union | GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018 Developed by <u>UAegean i4m Lab</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>



<b>EXTED EXAMPLE 1 EXAMPLE 1</b>					
Registration / Verification — S Mandate Validation —	3	KYB Profile ——	4	Register with us	Profile 3. KYB profile (Finish or Register)
Company K i B prome ferrieved					<ol> <li>Finish: Your KYB Profile has been generated successfully. In order to redirect back to the service that initiated the KYB check please complete this step (Finish).</li> </ol>
LEI					2. Register: Additionally, you can
Company Address					instantiy generate a publicly Verinable KYB profile of your Company and store it in the system's public registry. By conting in for this feature you will earble
Trading Status	LIVE	T COMPANY 1			Regulation Supervision Authorities, government bodies and other qualified
Subjurisdiction	IE				entities, the possibility to instantly Verify the KYB attributes of your Company, thus facilitating and cimulifying your dealings with these
Legal Representative					
Date of Birth	-11-09				
Role within Company					
Given Name	AIKATERIN	П			
Familty Name	XYSTRA				
Personal Identifier	ee	990			
Given Name	AIKATERIN	П			
Familty Name	XYSTRA				
Personal Identifier	ee	990			
BACK			REGISTER	FINISH	



The GRIDS KYB Custodian Service has been co-financed by the <u>Connecting Europe</u> <u>Facility (CEF)</u> of the European Union | GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018 Developed by <u>UAegean i4m Lab.</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>

Contact: 🔁 in

Thank you for registering to RBI as a Corporate Customer. The complete profile of your Company was generated as follows:

address: birthdate: -11-09 LIVE trading\_status: SIC 0 AIKATERINI given name: vat\_registration: lei: business\_role: IE TEST COMPANY 1 legal\_name: sub\_jurisdiction: IE personal\_number: e. 090 legal\_person\_identifier: TEST02 family\_name: **XYSTRA** 

A member of our Customer Relationships Team will contact you directly very shortly. <u>Home</u>



This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>. The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and AMLR."</u>

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [ <u>Summary</u>, <u>Presentation, Video</u> ] <u>Nikos Triantafyllou</u>, UAegean i4m Lab, Greece, GRIDS in vivo [ <u>Summary</u>, <u>Presentation</u>, <u>Video</u> ]

To continue the process click the "Next" button Next

The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u>, <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS Blockchain</u>, <u>Identity & Privacy Unit</u>



The no. 1 for corporates: For us, serving our customers does not only mean offering a full range of products – it means tailoring solutions that enable our clients to grow and nurture their business. Product specialists and experts are continuously working on innovations to make your financial life easier.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Company details	
Company name*	
IE TEST COMPANY 7	
Company identifier*	
TEST08	
Company country*	
IE	



## deployed by UAegean|i4m Lab

**Identify with eIDAS eID:** You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The elDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Select Your Country of Origin SPAIN

ANCEL

NEXT



UNIVERSITY OF THE APOTAN







	Confirmar	l.	
	Cancelar		
			Accesi





## Identificación europea con elD extranjero

Por favor, confirme que desea enviar la siguiente información al proveedor de servicios europeo pulsando el botón Enviar.

Apellidos: PEREZ BAUN Nombre: JUAN CARLOS Fecha de Nacimiento: Identificador Nacional: Enviar Cancelar

Accesibilidad





Registration / Verification	Mandate Validation	3 KYB Profile	Register with us	Profile
Registration / Verification	Mandate Validation	S KYB Profile	- Kegister with us	Prom

#### Company KYB profile retrieved

#### Company

		(Finish).
Legal Company Name	IE TEST COMPANY 7	
Company Identifier	TEST08	2. Register: Additionally, you can instantly generate a publicly Verifiable KYB profile of your Company and store
Sub Jurisdiction	IE	it in the system's public registry. By opting in for this feature you will enable Regulation Supervision Authorities,
VAT Registration Number		government bodies and other qualified entities, the possibility to instantly Verify the KYB attributes of your
Trading Status	LIVE	Company, thus facilitating and simplifying your dealings with these
SIC	Ο	parties. To do so click "Register".
LEI		-

#### **Company Address**

## tities, the possibility to instantly rify the KYB attributes of your mpany, thus facilitating and nplifying your dealings with these rties. To do so click "Register". 0

KYB profile (Finish or

1. Finish: Your KYB Profile has been generated successfully. In order to

redirect back to the service that initiated the KYB check please complete this step

Register)

#### Legal Representative

First Name	JUAN CAF	LOS			
Last Name	PEREZ BAUN				
eIDAS eID Person Identifier	e	3t			
Date of Birth	08				
Business Role					
BACK			REGISTER	FINISH	



The GRIDS KYB Custodian Service has been co-financed by the Connecting Europe Facility (CEF) of the European Union |

GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018

Developed by UAegean i4m Lab, Kompany and **GRIDS** Consortium



Thank you for registering to RBI as a Corporate Customer. The complete profile of your Company was generated as follows:

address:	
birthdate:	
trading_status:	LIVE
sic:	0
given_name:	JUAN CARLOS
vat_registration:	
lei:	
business_role:	
legal_name:	IE TEST COMPANY 7
sub_jurisdiction:	IE
personal_number:	es/el/
legal_person_identifier:	TEST08
family_name:	PEREZ BAUN

A member of our Customer Relationships Team will contact you directly very shortly. Home







🗧 💿 🍈 Demo DC x +	~
← → C ▲ Not Secure   gridsdemoclient.kompany.com:8999/rbi4	) 🗘 🖈 😞 Incognito 🚦
🗁 GDPR 📄 English 📄 Imported 📵 WhatsApp 🛅 GRIDS 🗎 KRAKEN 📄 PRESENT 📄 SCALES 📀 GRIDS 360Kompa 📄 Tools 📄 Tech 🚞 IMPULSE	📥 https://infocertspa 🛅 EU 🛛 »   📰 Reading List
GRIDS KYB Custodian Demo Case Raiffeisen Bank	
Company details	
Company name*	
AT TEST COMPANY 4	
Company identifier*	
000000e	
Company country*	
AT	
Retrieve Data	
Co-financed by the European Union Connecting Europe Facility Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2	2019/1926018



The elDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Select Your Country of Origin

CANCEL NEXT





## ADACOM S.A. - SERVICE PROVIDER WITH LEVEL OF ASSURANCE low 2 IS REQUESTING THE FOLLOWING **ATTRIBUTES**

Step13

NEXT

CANCEL

A

## YOUR BASIC INFORMATION

NATURAL PERSON

Family Name

First Name

Date of Birth

Uniqueness Identifier

# **USE YOUR** NATIONAL eID TO **ACCESS ONLINE** SERVICES





Step 2 | 3

#### YOUR ADDITIONAL INFORMATION

If you don't provide information you may be denied.



# USE YOUR NATIONAL eID TO ACCESS ONLINE SERVICES



## **Entra con SPID**

SPID è il Sistema Pubblico di Identità Digitale italiano. Se sei già in possesso di una identità SPID accedi con le credenziali del tuo gestore. Per maggiori informazioni su SPID consulta il sito www.spid.gov.it.



## Entra con CIE

La Carta di Identità Elettronica consente l'accesso ai servizi digitali della PA italiana e dei paesi membri aderenti al regolamento elDAS. Per maggiori informazioni consulta il sito del Ministero dell'Interno.



## FICEP

FICEP è il gateway che consente ai cittadini italiani di accedere con le proprie credenziali SPID o con la CIE ai servizi online di altri Paesi EU che supportano la normativa di identità digitale eIDAS. Allo









## ADACOM S.A. - SERVICE PROVIDER WITH LEVEL OF ASSURANCE low 2 IS REQUESTING THE FOLLOWING **ATTRIBUTES**

Step 313

A

#### YOUR RESUME

NATURAL PERSON

First Name

Family Name

Carbone

Romualdo

Date of Birth

1960-09-03

11

Uniqueness Identifier

783

# **USE YOUR** NATIONAL eID TO **ACCESS ONLINE** SERVICES







## GRIDS KYB Custodian Demo Case [WA] DATENSERVICE

This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>. The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and AMLR."</u>

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [Summany, Presentation, Video

Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [ Summary, Presentation, Video ]

To continue the process click the "Next" button Next

The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u>, <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS Blockchain</u>, <u>Identity &</u> <u>Privacy Unit</u>



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018
The EIC offers customers, suppliers and partners an exclusive information platform on the topic of data delivery of WM Datenservice. We focus on dates and available formats to facilitate optimal planning for our business partners.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Company details	
Company name*	
AT TEST COMPANY 6	
Company identifier*	
000000g	
Company country*	
AT	



## deployed by **UAegean|i4m Lab**

Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The elDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Select Your Country of Origin BELGIUM



UNIVERSITY OF THE ADDEAN



NEXT



About

#### Log on to online public services

#### Choose your digital key to log in

Digital key(s) with eID or digital identity

LOG IN



#### Important to know!

Once you have logged in, you automatically have access via CSAM to other online government services secured with the same digital key. This applies as long as your browser window is active.

0



.be

#### Need help?

- How safe are the different digital keys?
- · What are the possibilities of identifying with a smartphone or tablet?
- What do I need to do if I suspect someone else is misusing my digital keys?
- · Does the public service have access to my data when I use my digital keys?
- · How can I safely log off from the online government services?
- All questions

Unable to find what you were looking for? Read our <u>help page</u> and quickly find an answer to your question.

Need help?

A A ()

#### with level of assurance high is requesting the following attributes

Step 3 | 3

Your resume Natural Person National Identifier J. First Name Hilde Maria Family Name Strubbe Date of Birth



Cancel Submit



<b>EXTERNATION OF CUSTODIAN</b>			
Registration / Verification — Mandate Validation —	3 KYB Profile	— (4) Register with us	Profile KYB profile (Finish or
Company KYB profile retrieved			Register)
Company			1. Finish: Your KYB Profile has been generated successfully. In order to redirect back to the service that initiated the KYB check please complete this step (Finish).
Legal Company Name	AT TEST COMPANY 6		2 Pasister Additionally you can
Company Identifier	000000g		2. Register: Additionally, you can instantly generate a publicly Verifiable KYB profile of your Company and store
Sub Jurisdiction	AT		opting in for this feature you will enable Regulation Supervision Authorities.
VAT Registration Number			government bodies and other qualified entities, the possibility to instantly Verify the KVB attributes of your
Trading Status	LIVE		Company, thus facilitating and simplifying your dealings with these
SIC	0		parties. To do so click "Register".
LEI			
Company Address			

#### Legal Representative

Hilde Maria	
Strubbe	
be	
REGISTER FINISH	
	Hilde Maria Strubbe be REGISTER FINISH



The GRIDS KYB Custodian Service has been co-financed by the <u>Connecting Europe</u> <u>Facility (CEF)</u> of the European Union | GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018 Developed by <u>UAegean i4m Lab.</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>



This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>. The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and AMLR."</u>

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [ Summany, Presentation, Video ]

Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [ Summary, Presentation, Video ]

To continue the process click the "Next" button Next

The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u> <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS Blockchain</u>, <u>Identity &</u> <u>Privacy Unit</u>



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

The EIC offers customers, suppliers and partners an exclusive information platform on the topic of data delivery of WM Datenservice. We focus on dates and available formats to facilitate optimal planning for our business partners.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Company details	
Company name*	
FI TEST COMPANY 8	
Company identifier*	
TEST-8	
Company country*	
F	



## deployed by UAegean|i4m Lab

Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The elDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Select Your Country of Origin ESTONIA



UNIVERSITY OF THE AEGEAN



NEXT



About

## Secure authentication in agency e-services РУССКИЙ ENGLISH **RIIGI AUTENTIMISTEENUS** ి= ID card Mobile ID ID card To log in to the RIA eIDAS-Node service, you need a card reader and a valid ID card. Insert the ID card into the card reader and press "Continue". continue Return to service provider Help from id.ee





More about the state authentication service

# eidas idp

Adacom S.A. - Service Provider with level of assurance http://eidas.europa.eu/loa/high is requesting the following attributes

Your resume Natural Person

Family Name

XYSTRA

First Name

AIKATERINI

Date of Birth

-11-09

National Identifier 990

Cancel Submit

A A O





The GRIDS KYB Custodian Service has been co-financed by the <u>Connecting Europe</u> <u>Facility (CEF)</u> of the European Union | GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018 Developed by <u>UAegean i4m Lab</u>, <u>Kompany</u> and <u>GRIDS Consortium</u>



	lian
--	------

V R	egistration /	Verification	- 0	Mandate Validat
V R	egistration /	Verification	— <b></b>	Mandate Valid

3 KYB Profile 4 Register with us Profile 3. KYB profile (Finish

or Register)

#### Company KYB profile retrieved

Company		<ol> <li>Finish: Your KYB Profile has been generated successfully. In order to redirect back to the service that initiated the KYB check please complete this step (Finish)</li> </ol>
LEI		(rmsn).
Company Address		<ol> <li>Register: Additionally, you can instantly generate a publicly Verifiable KYB profile of your Company and store</li> </ol>
Trading Status	LIVE	it in the system's public registry. By opting in for this feature you will enable Regulation Supervision Authorities,
Company Legal Name	FI TEST COMPANY 8	government bodies and other qualified entities, the possibility to instantly
Subjurisdiction	FI	Company, thus facilitating and simplifying your dealings with these
SIC	0	parties. To do so click "Register". To learn more about Verifiable KYB data click here
VAT Registration Number		8
Company Registration Number	TEST-8	=
Legal Representative		
Date of Birth	11-09	
Role within Company		
Given Name	AIKATERINI	
Familty Name	XYSTRA	
Personal Identifier	ec	
BACK	REGISTER FINISH	I
The GRIDS KYB Cu Facility (CEF) of the	stodian Service has been co-financed by the <u>Connecting Europe</u> Develo European Union   <u>GRID</u>	oped by <u>UAegean i4m Lab., Kompany</u> and <u>S Consortium</u>

GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018

Contact: 🖸 in

Thank you for registering to WM Datenservice as a Corporate Customer. The complete profile of your Company was generated as follows:

address: birthdate: 1-09 trading\_status: LIVE 0 sic: AIKATERINI given name: vat\_registration: lei: business\_role: legal\_name: FI TEST COMPANY 8 sub\_jurisdiction: FI personal\_number: et 090 legal\_person\_identifier: TEST-8 family\_name: **XYSTRA** 

A member of our Customer Relationships Team will contact you directly very shortly. <u>Home</u>



This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>. The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-eIB Workshop on "Identity Attributes and KYC: the</u> <u>transition to eIDAS 2.0 and AMLR."</u>

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [<u>Summary</u>, <u>Presentation, Video</u>] <u>Nikos Triantafyllou</u>, UAegean i4m Lab, Greece, GRIDS in vivo [<u>Summary</u>, <u>Presentation</u>, <u>Video</u>]

To continue the process click the "Next" button



The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u>, <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS Blockchain</u>, <u>Identity & Privacy Unit</u>



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

The EIC offers customers, suppliers and partners an exclusive information platform on the topic of data delivery of WM Datenservice. We focus on dates and available formats to facilitate optimal planning for our business partners.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Company details		
Company name*		
FI TEST COMPANY 6		
Company identifier*		
TEST-6		
Company country*		
FI		



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

#### deployed by UAegean|i4m Lab



Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The elDAS Network will provide us with those attributes from the Identity Provider you will suggest. The elDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.

Select Your Country of Origin

SPAIN

CANCEL



\*







	Confirmar		
	Cancelar		
		Acce	sibilid



Accesibilidad





~	Registration / Verification	0	Mandate Validation	3	KYB Profile	0	Register with us	Profile

#### Company KYB profile retrieved

#### Company

Legal Company Name	FI TEST COMPANY 6
Company Identifier	TEST-6
Sub Jurisdiction	FI
VAT Registration Number	
Trading Status	LIVE
SIC	0
LEI	

#### KYB profile (Finish or Register)

1. Finish: Your KYB Profile has been generated successfully. In order to redirect back to the service that initiated the KYB check please complete this step (Finish).

2. Register: Additionally, you can instantly generate a publicly Verifiable KYB profile of your Company and store it in the system's public registry. By opting in for this feature you will enable Regulation Supervision Authorities, government bodies and other qualified entities, the possibility to instantly Verify the KYB attributes of your Company, thus facilitating and simplifying your dealings with these parties. To do so click: "Register".



#### Legal Representative

**Company Address** 

First Name	JUAN CARLOS
Last Name	PEREZ BAUN
eIDAS eID Person Identifier	es/el
Date of Birth	C. Int.
Business Role	
BACK	REGISTER FINISH



The GRIDS KYB Custodian Service has been co-financed by the <u>Connecting Europe</u> Facility (CEF) of the European Union | GRIDS Project: Grant Agreement No INEA/CEF/ICT/A2019/1926018 Developed by UAegean i4m Lab , Kompany and GRIDS Consortium



Thank you for registering to WM Datenservice as a Corporate Customer. The complete profile of your Company was generated as follows:

address:	
birthdate:	
trading_status:	LIVE
sic:	0
given_name:	JUAN CARLOS
vat_registration:	
lei:	
business_role:	
legal_name:	FI TEST COMPANY 6
sub_jurisdiction:	FI
personal_number:	es/el/
legal_person_identifier:	TEST-6
family_name:	PEREZ BAUN

A member of our Customer Relationships Team will contact you directly very shortly. <u>Home</u>





This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>.

The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-</u> elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and AMLR."

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [Summary, Presentation, Video] Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [Summary, Presentation, Video]

Tikos mantarynou, okegean ian cab, orecee, okibo in vivo [ <u>burnnary</u>, <u>resentator</u>

To continue the process click the "Next" button

Next



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

Screenshot



The EIC offers customers, suppliers and partners an exclusive information platform on the topic of data delivery of WM Datenservice. We focus on dates and available formats to facilitate optimal planning for our business partners.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

Screenshot



Company details	
Company name*	
IE TEST COMPANY 7	
Company identifier*	
TEST08	
Company country*	
IĘ	



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications

Screenshot ent number INEA/CEF/ICT/A2019/1926018



Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The eIDAS Network will provide us with those attributes from the Identity Provider you will suggest. The eIDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.



About

Select Your Country of Origin







#### ADACOM S.A. - SERVICE PROVIDER WITH LEVEL OF ASSURANCE IOW IS REQUESTING THE FOLLOWING ATTRIBUTES

Step1|3

# USE YOUR NATIONAL eID TO ACCESS ONLINE SERVICES



YOUR BASIC INFORMATION

NATURAL PERSON

Family Name

First Name

Date of Birth

Uniqueness Identifier ?



Screenshot





#### ADACOM S.A. - SERVICE PROVIDER WITH LEVEL OF ASSURANCE IOW IS REQUESTING THE FOLLOWING ATTRIBUTES

Step **2** | 3

#### YOUR ADDITIONAL INFORMATION

If you don't provide information you may be denied.



## USE YOUR NATIONAL eID TO ACCESS ONLINE SERVICES





## **Entra con SPID**

SPID è il Sistema Pubblico di Identità Digitale italiano. Se sei già in possesso di una identità SPID accedi con le credenziali del tuo gestore. Per maggiori informazioni su SPID consulta il sito www.spid.gov.it.



#### **Entra con CIE**

La Carta di Identità Elettronica consente l'accesso ai servizi digitali della PA italiana e dei paesi membri aderenti al regolamento elDAS. Per maggiori informazioni consulta il sito del Ministero dell'Interno.



#### FICEP

FICEP è il gateway che consente ai cittadini italiani di accedere Screenshot credenziali SPID o con










# ADACOM S.A. - SERVICE PROVIDER WITH LEVEL OF ASSURANCE IOW INITIAL INFORMATION INITIAL INFORMATION INITIAL INITIALIS INITI

Step **3** | 3

# USE YOUR NATIONAL eID TO ACCESS ONLINE SERVICES



#### YOUR RESUME

#### NATURAL PERSON

First Name

Romualdo

Family Name

Carbone

Date of Birth

1960-09-03

Uniqueness Identifier

3783





The GRIDS KYB Custodian Service has been co-financed by the	Connecting Europe	Developed by UAegean i4m Lab, Kompany and
Facility (CEF) of the European Union I	Screenshot	GRIDS Consortium





# GRIDS KYB Custodian Demo Case [WM] DATENSERVICE

Thank you for registering to WM Datenservice as a Corporate Customer. The complete profile of your Company was generated as follows:

address:		
birthdate:	1960-09-03	3
trading_status:	LIVE	
sic:	0	
given_name:	Romualdo	
vat_registration:		
lei:		
business_role:		
legal_name:	IE TEST CO	MPANY 7
sub_jurisdiction:	IE	
personal_number:	it/c	6783
legal_person_identifier:	TEST08	
family_name:	Carbone	

A member of our Customer Relationships Team will contact you directly very shortly.

Home



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Screenshot ant number INEA/CEF/ICT/A2019/1926018



This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>.

The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-</u> elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and AMLR."

<u>Peter Bainbridge-Clayton</u>, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [<u>Summary</u>, <u>Presentation</u>, <u>Video</u>] Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [Summary, Presentation, Video]

To continue the process click the "Next" button

Next



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018



ADVOKAT is the largest provider of legal software in Austria. More than 2,300 law firms and companies with more than 15,000 workstations currently work with programmes from ADVOKAT.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sect

Screenshot

# GRIDS KYB Custodian Demo Case ADVOKAT

Company details	
Company name*	
UK TEST COMPANY 0	
Company identifier*	
TEST0000	
Company country*	
UK	



Activities 🕴 Firefox	Dec 22 20:05		en	(î•	£	•0) [	3
Create a new account ×	+						×
$\leftarrow$ $\rightarrow$ C $\textcircled{a}$	🛇 🗛 https://eidas.adacom.com/auth/realms/eidas/protocol/openid-connect/auth?response_type=code&c 🗉 😒	<b>82</b>	Û	◙	<b>.</b>	» =	=
	deployed by UAegean i4m Lab	UNIVERSITY OF THE AEGEAN					

Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The eIDAS Network will provide us with those attributes from the Identity Provider you will suggest. The eIDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.



Select Your Country of Origin CZECH\_REPUBLIC

CANCEL

NEXT





Activities	Firefox	Dec 22 20:08	en		(?		
➡ Grids	× +						×
$\leftarrow \  \  \rightarrow \  \  C$	බ ◯ 🏠 kyb-custod	ian-i4mlab.aegean.gr:5050/kyb/registry-prompt?sessionId=11111 🗉 50% 🏠 🔛	Û	$\boxtimes$		>>	≡
← → C	Δ O A kyb-custod	ian-14mlab.aegean.gr:5050/kyb/registry-prompt?sessionId=11111     Image: Constant     Image: Constant     Company   KYB profile retrieved     Company   Legal Company Name   UK TEST COMPANY 0   Company   Company   Vot Registration Number   Trading Status   Lit   Company Kidentifier   Trading Status   Lit   Company Kidentif			£.	»	=
		Date of Birth					
		Business Role					
		BACK REGISTER FINISH					

# GRIDS KYB Custodian Demo Case **ADVOKAT**

Thank you for registering to Advocat as a Corporate Customer. The complete profile of your Company was generated as follows:



A member of our Customer Relationships Team will contact you directly very shortly. <u>Home</u>



### GRIDS KYB Custodian Demo Case [WA] DATENSERVICE

This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>. The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and AMLR."</u>

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [ Summany, Presentation, Video ]

Nikos Triantafyllou, UAegean i4m Lab, Greece, GRIDS in vivo [ Summary, Presentation, Video ]

To continue the process click the "Next" button Next

The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u> <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS Blockchain</u>, <u>Identity &</u> <u>Privacy Unit</u>



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

# GRIDS KYB Custodian Demo Case [WA] DATENSERVICE

The EIC offers customers, suppliers and partners an exclusive information platform on the topic of data delivery of WM Datenservice. We focus on dates and available formats to facilitate optimal planning for our business partners.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Activities	Firefox	Dec 22 20:05	e	n	÷	•)	۵
👹 Demo DC	×	+					×
$\leftarrow \  \  \rightarrow \  \   G$	۵	O ≥ gridsdemoclient.kompany.com:8999/wmd4       ☆	Ű	$\bigtriangledown$	<b>.</b>	>>	≡
		GRIDS KYB Custodian Demo Case [WM] DATENSERVICE					
		Company details					
		Company name*					
		UK TEST COMPANY 0					
		Company identifier*					
		TEST0000					
		Company country*					
		UK					
		Retrieve Data					



Co-financed by the European Union Connecting Europe Facility

Grant Agreement under the Connection Europe Facility (CEF) Telecommunications Sector Agreement number INEA/CEF/ICT/A2019/1926018

Activities 🕴 Firefox	Dec 22 20:05		en	(î•	£	•0) [	3
Create a new account ×	+						×
$\leftarrow$ $\rightarrow$ C $\textcircled{a}$	🛇 🗛 https://eidas.adacom.com/auth/realms/eidas/protocol/openid-connect/auth?response_type=code&c 🗉 😒	<b>82</b>	Û	◙	<b>.</b>	» =	=
	deployed by UAegean i4m Lab	UNIVERSITY OF THE AEGEAN					

Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The eIDAS Network will provide us with those attributes from the Identity Provider you will suggest. The eIDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.



Select Your Country of Origin CZECH\_REPUBLIC

CANCEL

NEXT





Activities	Firefox	Dec 22 20:08	en		(?		
➡ Grids	× +						×
$\leftarrow \  \  \rightarrow \  \  C$	බ ◯ 🏠 kyb-custod	ian-i4mlab.aegean.gr:5050/kyb/registry-prompt?sessionId=11111 🗉 50% 🏠 🔛	Û	$\boxtimes$		>>	≡
← → C	Δ O A kyb-custod	ian-14mlab.aegean.gr:5050/kyb/registry-prompt?sessionId=11111     Image: Constant     Image: Constant     Company   KYB profile retrieved     Company   Legal Company Name   UK TEST COMPANY 0   Company   Company   Vot Registration Number   Trading Status   Lit   Company Kidentifier   Trading Status   Lit   Company Kidentif			£.	»	=
		Date of Birth					
		Business Role					
		BACK REGISTER FINISH					

# GRIDS KYB Custodian Demo Case [WA] DATENSERVICE

Thank you for registering to WM Datenservice as a Corporate Customer. The complete profile of your Company was generated as follows:

address:	
birthdate:	
trading_status:	LIVE
sic	0
given_name:	
vat_registration:	
lei:	
business_role:	
legal_name:	UK TEST COMPANY 0
sub_jurisdiction:	UK
personal_number:	
legal_person_identifier:	TEST0000
family_name:	
A member of our Custom	er Relationships Team will contact you directly very shortly.

Home

🔅 🚟 grids

This is a demo service demonstrating the application potential of GRIDS. It implements a model of a financial intermediary capable of conducting compliance and KYB checks (Know Your Business) processes, named "GRIDS KYB Custodian". The functionality provided by the GRIDS KYB Custodian reuses and extends the architecture and the core components of <u>GRIDS project infrastructure</u>. The GRIDS KYB Custodian is connected with a simulated Service Provider offering corporate banking services, called Reiffeisen Bank International (RBI). Corporate customers creating an account with RBI should go through a process of identity verification (KYB check). This process is delegated to the GRIDS KYB Custodian which connects, through GRIDS APIs, with two demo Data Providers, provided by Kompany (they reproduce the business functionality of a real KYC provider),

Learn more about GRIDS and this specific case by following the links below: GRIDS KYC Custodian, 2021, <u>Technical Document</u> GRIDS presentation by Peter Bainbridge-Clayton and Nikos Triantafyllou, in the <u>GRIDS-elB Workshop on "Identity Attributes and KYC: the transition to elDAS 2.0 and AMLR."</u>

Peter Bainbridge-Clayton, Kompany, Austria, KYB and AML, Establishing Business Identity for Regulated Industries [ <u>Summary</u>, <u>Presentation, Video</u> ] <u>Nikos Triantafyllou</u>, UAegean i4m Lab, Greece, GRIDS in vivo [ <u>Summary</u>, <u>Presentation</u>, <u>Video</u> ]

To continue the process click the "Next" button Next

The GRIDS KYB Custodian Demo Case has been developed by the <u>GRIDS project</u>, <u>UAegean i4M Lab</u>, <u>Kompany</u> and <u>ATOS Blockchain</u>, <u>Identity & Privacy Unit</u>



The no. 1 for corporates: For us, serving our customers does not only mean offering a full range of products – it means tailoring solutions that enable our clients to grow and nurture their business. Product specialists and experts are continuously working on innovations to make your financial life easier.

Please fill out the form below to begin the registration process and open an institutional account with us

**Company Declaration** 

Upon completion, your information will be reviewed by you and a member of our Customer Relationships Team will contact you directly



Company details	
Company name*	
UK TEST COMPANY 0	
Company identifier*	
TEST0000	
Company country*	
UK	



Activities 🕴 Firefox	Dec 22 20:05		en	(î•	£	•0) [	3
Create a new account ×	+						×
$\leftarrow$ $\rightarrow$ C $\textcircled{a}$	🛇 🗛 https://eidas.adacom.com/auth/realms/eidas/protocol/openid-connect/auth?response_type=code&c 🗉 😒	<b>82</b>	Û	◙	<b>.</b>	» =	=
	deployed by UAegean i4m Lab	UNIVERSITY OF THE AEGEAN					

Identify with eIDAS eID: You will now be directed to the eIDAS Network to securely identify and trustly provide us your main identity attributes. Review the identification attributes that will be requested HERE

The eIDAS Network will provide us with those attributes from the Identity Provider you will suggest. The eIDAS Network will request your consent before sending us any information. After successful authentication you will be redirected to our service.



Select Your Country of Origin CZECH\_REPUBLIC

CANCEL

NEXT





Activities	Firefox	Dec 22 20:08	en		(?		
➡ Grids	× +						×
$\leftarrow \  \  \rightarrow \  \  C$	බ ◯ 🏠 kyb-custod	ian-i4mlab.aegean.gr:5050/kyb/registry-prompt?sessionId=11111 🗉 50% 🏠 🔛	Û	$\boxtimes$		>>	≡
← → C	Δ O A kyb-custod	ian-14mlab.aegean.gr:5050/kyb/registry-prompt?sessionId=11111     Image: Constant     Image: Constant     Company   KYB profile retrieved     Company   Legal Company Name   UK TEST COMPANY 0   Company   Company   Vot Registration Number   Trading Status   Lit   Company Kidentifier   Trading Status   Lit   Company Kidentif			£.	»	=
		Date of Birth					
		Business Role					
		BACK REGISTER FINISH					

Thank you for registering to RBI as a Corporate Customer. The complete profile of your Company was generated as follows:

address:	
birthdate:	
trading_status:	LIVE
sic	0
given_name:	
vat_registration:	
lei:	
business_role:	
legal_name:	UK TEST COMPANY 0
sub_jurisdiction:	UK
personal_number:	
legal_person_identifier:	TEST0000
family_name:	

A member of our Customer Relationships Team will contact you directly very shortly. <u>Home</u>







# increasinG tRust with eld for Developing buSiness D5.1 Test Preparation and Execution report

Annex 4: GRIDS Customer Questionnaire (and responses)



#### **GRIDS DEMO QUESTIONNAIRE**

Organisation Name:	ADVOKAT Unternehmensberatung GREITER & GREITER GmbH
Completed by:	David Haslwanter
Role:	Head of Product Management
1. How do things work today?	

#### a. Your current customers

Describe your typical customer

Lawyers, Law attorneys, Legal departments, Public authorities

#### Which services do you provide to them?

ERP solution including file management, billing, accounting, ... and some web and mobile services.

#### b. Verification Processes (KYC and KYB)

Describe your current need for identifying and verifying your customers (both business and individuals)

Strict rules (i.e. regarding money laundering) apply to our customers.

What business processes does business verification support?

Onboarding of clients (compliance check).

KYC: verification of individual personal identity

How is this done today?

Checking the ID cards and – depending on the case – performing additional checks like company register, PEP checks and UBO checks.

Describe any third-party platforms or tools you use to do this

Our customers take advantage of our online services (business registers, PEP check) and of other query service like the national UBO register or even other providers KYC-services.

Describe any limitations/frustrations/pain points with the current process

It's a lot of manual work and checking ID cards (and their liability) is not as secure as validating digital identities.

KYB: verification of a business

How is this done today?

Same as with KYC, but additional checking national company registers and / or using services to provide international company informations.

Describe any third-party platforms or tools you use to do this

Online platforms of national registers or providing suppliers as well as different company information services.

Describe any limitations/frustrations/pain points with the current process

Especially when leaving the national area it's getting difficult and/or expensive to gather the required information. It's a lot of manual work.

#### 2. Current use of eIDAS

How familiar are you with your country's current eIDAS platforms?

Not familiar. We know what it is, what it ist good for and we can imagine helpful workflows for the future, as the eID spreads more and more.

Describe any current use of official eIDAS-based platforms or tools during any of your business processes today?

Actually there are none. In Austria the so called "Handy-Signatur" (translated "mobile phone signing") is the most common solution, provided by national authority, to identify oneself and also to sign documents. But following solutions to meet the eID standards are coming up right now.

#### 3. Your current challenges

How satisfied are you with how your KYC/KYB activities work today? What could be improved?

As answering these questions from our customers perspective, they're challenged by the need to know what and how to do, to be compliant with the variety of all applicable regulations. They would need easy to use applications, to take away the complexity of this necessary task, that is not part of their actual profession.

Are there any additional challenges when verifying international customers?

In other countries the digitalization progress is far behind our standards. Sometimes it's hardly impossible to get the information needed. Also the language can be a problem, as platforms do not always supported English. Finally it's sometimes hard to trust in the information that could be acquired abroad.

#### 4. Feedback on GRIDS

Describe your initial impressions after having seen GRIDS work

My impression is, that this project ist a very essential part in the advancement of digital identities, as this still is something, most people don't even have an idea of. As I am using digital signing on a daily basis, I can tell that this is saving so much effort and ressources and is so much more reliable than the traditional ways. And as a software provider we are looking forward to future projects.

Describe any specific advantages GRIDS offers compared to how you do business and individual verification processes today

It saves time and ressources, is easier to do, provides more reliability and requires less infrastructure.

*Do you believe GRIDS could offer you efficiency gains in your business processes (eg time and savings - quantify if possible)?* 

Yes! This is described in the above answers.

When fully operational, would you consider implementing GRIDS in your business?

Sure!

How easy was GRIDS to use?

Very ease. You knew what to do and there was no point of irritation or misunderstanding.

What do you like about the GRIDS application?

The simplicity of something that actually is quite complex.

What do you not like about the GRIDS application?

I will need more experience for that question. Maybe weak international penetration, instability of the decentralized solution or system inperformances could be trade-offs.

What else do you think needs to be improved?

I think the improvement is good for now. Business will do the next step. More will be to come up later on.

Any additional comments?

No further comments. I'm looking forward to the upcoming steps!



#### **GRIDS DEMO QUESTIONNAIRE**

Organisation Name:	Raiffeisenbank International AG
Completed by:	Claudia Ollrom/Valerie Croy Markones
Role:	Head of Customer Data Services/Head of Corporate Customers Mid Office
1. How do things work today?	

#### a. Your current customers

Describe your typical customer

Corporate Customers and Financial Institutions (Banks, Asset Managers, Funds, Broker)

Which services do you provide to them?

KYC/AML, Account Openings, Video Identification, e-signature

#### b. Verification Processes (KYC and KYB)

Describe your current need for identifying and verifying your customers (both business and individuals)

Verification of the Ownership Chain of the customer; natural persons need to provide identification docs such as passports and need to be identified personally or via Video ID

What business processes does business verification support?

AML/KYC

#### KYC: verification of individual personal identity

How is this done today?

by the Account Opening Team in RBI Head office or the Relationship Manager or through qualified third parties (notary, lawyer, accountant)

Describe any third-party platforms or tools you use to do this

ID Now

Describe any limitations/frustrations/pain points with the current process

performance Issues

Strikter than other EU countries (reg. personal identification)

#### KYB: verification of a business

How is this done today?

Via Kompany and other company registers

Describe any third-party platforms or tools you use to do this

360Kompany, EBR, Transparency Registers, etc

Describe any limitations/frustrations/pain points with the current process

#### 2. Current use of eIDAS

How familiar are you with your country's current eIDAS platforms?

Do not use it at all

Describe any current use of official eIDAS-based platforms or tools during any of your business processes today?

We do not use eIDAS platforms in Customer Data Services we just inform the customer that we accept wet-ink and Qualified Electronic Signature (QES) only and that these QES certificates are issued by eIDAS-compliant qualified trusted service providers (TSP)

#### 3. Your current challenges

How satisfied are you with how your KYC/KYB activities work today? What could be improved?

Currently there are a lot of manual and decentralized steps. It would be easier if there would be a central repository for natural persons identification but also for legal entities

Are there any additional challenges when verifying international customers?

Not all jurisdictions require the registration of shareholders in company registers which makes it more complicated for banks to access this information (rely on customers private deeds)

#### 4. Feedback on GRIDS

Describe your initial impressions after having seen GRIDS work

GRIDs could provide a general repository for natural persons ID

Describe any specific advantages GRIDS offers compared to how you do business and individual verification processes today

We would not have to do each identification ourselves. No redundant work and manual steps

Do you believe GRIDS could offer you efficiency gains in your business processes (eg time and savings - quantify if possible)?

Time saving, faster possibility to check if people are authorized to sign.

When fully operational, would you consider implementing GRIDS in your business?

Could be considered

How easy was GRIDS to use?

Easy to use but we have only seen a short demo

What do you like about the GRIDS application?

Easy to use and if fully loaded with all EU countries, saves time

What do you not like about the GRIDS application?

What else do you think needs to be improved?

Any additional comments?

\_

	IS TRUST FOR NG BUSINESS
GRIDS DEMO QUESTIONNAIRE	
Organisation Name:	WM Datenservice
Completed by:	Salim Rathe
Role:	Head of LEI

- 1. How do things work today?
- a. Your current customers

**B2B** Customer

Describe your typical customer

Issuing LEIs as an official accredited Local Operating Unit (LOU) in the Global Legal Entity Identifier System (GLEIS)

Which services do you provide to them?

#### b. Verification Processes (KYC and KYB)

Describe your current need for identifying and verifying your customers (both business and

It is required by regulation to ensure that our clients are empowered to use our LEI Issuing Service.

individuals)

\_

What business processes does business verification support?
KYC: verification of individual personal identity

Via official sources as national business registers.

How is this done today?

Describe any third-party platforms or tools you use to do this

Describe any limitations/frustrations/pain points with the current process

Kompany 360 Services & Kompany KYC API

International Coverage with the relevant data (Authorized Persons in business registers)

KYB: verification of a business

How is this done today?

\_

escribe any third-party platforms or tools you use to do this

Describe any limitations/frustrations/pain points with the current process

2. Current use of eIDAS

How familiar are you with your country's current eIDAS platforms?

-

\_

Describe any current use of official eIDAS-based platforms or tools during any of your business processes today?

## 3. Your current challenges

- Access of sources
- International Coverage
- Standardization of business register data

How satisfied are you with how your KYC/KYB activities work today? What could be improved?

Are there any additional challenges when verifying international customers?

## 4. Feedback on GRIDS

A good idea and bridge to the increasingly needed identification of people within business or customer relationships.

Describe your initial impressions after having seen GRIDS work

Describe any specific advantages GRIDS offers compared to how you do business and individual

- Reduce of manual research = reducing costs
- Speed up of processes
- Increasing the trust level for both sides / and from a public perspective

verification processes today

Do you believe GRIDS could offer you efficiency gains in your business processes (eg time and savings

- quantify if possible)?

\_\_\_\_\_

Smart process flow and easy user story.

When fully operational, would you consider implementing GRIDS in your business?

How easy was GRIDS to use?

What do you like about the GRIDS application?

What do you not like about the GRIDS application?

What else do you think needs to be improved?

-

Use per automated api processes.

Any additional comments?

Yes