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DIRECTORATE-GENERAL  
TAXATION AND CUSTOMS UNION  
Digital Delivery of Customs and Taxation Policies  
**Customs Systems**

# **UUM&DS Start-up Guide**

## **Start-up Guide for UUM&DS Project**

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<b>Author</b>	ITSM3-TES
<b>Project owner</b>	Head of Unit of DG TAXUD B2 Architecture & Digital Operations
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# Table of contents

<b>1</b>	<b>INTRODUCTION</b> .....	<b>6</b>
1.1	Document purpose.....	6
1.2	Target audience .....	6
1.3	Scope.....	6
1.4	Structure .....	6
1.5	Reference documents .....	7
1.6	Applicable documents .....	7
1.7	Abbreviations & Acronyms.....	7
1.8	Definitions.....	9
<b>2</b>	<b>WHAT UUM&amp;DS IS AND WHAT IT OFFERS</b> .....	<b>11</b>
2.1	Scope.....	11
2.2	How to Use - What to expect .....	11
2.3	Legal Basis .....	12
<b>3</b>	<b>UUM&amp;DS DEFINITIONS</b> .....	<b>14</b>
3.1	Type of Member States .....	14
3.2	Type of Actors.....	14
3.3	Type of Identifiers.....	15
3.4	Type of Persons.....	15
3.5	Authorisation Model .....	15
3.6	eIDAS-Node.....	16
3.7	Logical View .....	16
<b>4</b>	<b>SERVICES AND FEATURES OF UUM&amp;DS</b> .....	<b>18</b>
4.1	Identity and Access Management.....	18
4.2	Certificate Management .....	18
4.3	Delegation System.....	18
	4.3.1 Delegation Management.....	18
	4.3.2 Delegation Levels.....	19
<b>5</b>	<b>UUM&amp;DS - BUSINESS USAGE EXAMPLES</b> .....	<b>20</b>
<b>6</b>	<b>UUM&amp;DS RELEASE HISTORY</b> .....	<b>21</b>
<b>7</b>	<b>UUM&amp;DS - APPLICATIONS SECURED BY UUM&amp;DS</b> .....	<b>22</b>
7.1	CBAM Domain (Carbon Border Adjustment Mechanism).....	22
7.2	Taxation Domain.....	22
	7.2.1 Central Electronic System of Payment information (CESOP) .....	22
7.3	Customs Domain.....	22
	7.3.1 EU-Customs Trader portal (EU-CTP) Module (Application Code: GTP) .....	22
	7.3.2 IPEP (Intellectual Property Enforcement Portal).....	23
	7.3.3 CDS - TP (Customs Decisions System, Trader Portal) .....	23
	7.3.4 CUP-MIS (Customs Union Performance - Management Information System) .....	23
	7.3.5 Sample-CS.....	23
<b>8</b>	<b>UUM&amp;DS ENVIRONMENTS AND URLS</b> .....	<b>24</b>
8.1	Dev Toolkit .....	24
8.2	PGS (Play Ground).....	24
8.3	Conformance (Acceptance).....	24
8.4	Production .....	24
<b>9</b>	<b>CONNECTING A NEW EIS (CENTRAL SERVICE) TO UUM&amp;DS</b> .....	<b>25</b>

<b>10</b>	<b>HOW TO GET SUPPORT - PROCEDURE OF DIAGNOSTIC REQUESTS .....</b>	<b>26</b>
<b>11</b>	<b>INDEX TO UUM&amp;DS RELEVANT DOCUMENTATION.....</b>	<b>27</b>
11.1	Functional System Specifications (FSS) .....	27
11.2	Technical System Specifications for MS (MS TSS) .....	27
11.3	Technical System Specifications for CS (CS TSS) .....	27
11.4	Integration Guide for MS (IGMS).....	27
11.5	Conformance Test Organization Document (CTOD).....	27
11.6	UUM&DS Test Design Specifications (TDS) - Conformance Tests (CT).....	27
11.7	UUM&DS - User Guide.....	28
11.8	UUM&DS Development Kit User Guide.....	28
<b>12</b>	<b>FREQUENTLY ASKED QUESTIONS - FAQ.....</b>	<b>29</b>
12.1	How to access Synergia SMT application.....	29
12.2	How to access PICS and/or Wiki Pages .....	29
12.3	How to access sFTP Server .....	29
12.4	How to receive Dev ToolKit and/or MS Package .....	29
<b>13</b>	<b>ANNEXES.....</b>	<b>30</b>
	Annex 1: UUM&DS Useful links .....	30

## List of tables

Table 1: Applicable documents ..... 7  
Table 2: Abbreviations and acronyms ..... 9

## List of figures

Figure 1 - WAYF Page ..... 12  
Figure 2 - UUM&DS system interactions with IT systems and applications ..... 17

# 1 INTRODUCTION

## 1.1 DOCUMENT PURPOSE

The purpose of this document is to provide an overview of UUM&DS Project in order to understand the benefits of using UUM&DS. It details all the functionalities that are available through UUM&DS and provides all information that is required to interconnect several supporting European Information Systems (EIS) with UUM&DS.

## 1.2 TARGET AUDIENCE

The target audience for this document includes:

- All the EU Member States;
- DG TAXUD IT / Business Units and Contractors;
- QAC.

## 1.3 SCOPE

The current document focuses not only to the definitions, features/services, but also on how to start with UUM&DS.

## 1.4 STRUCTURE

This document is organised as follows:

- **Chapter 1 – Introduction:** describes the scope and the objectives of this document;
- **Chapter 2 – What UUM&DS is and what it offers:** describes and defines the UUM&DS Project;
- **Chapter 3 – UUM&DS definitions:** provides the overall definitions of UUM&DS;
- **Chapter 4 – Services and Features of UUM&DS:** provides and defines the available services and features of UUM&DS;
- **Chapter 5 – UUM&DS Business usage examples:** provides business examples for main features;
- **Chapter 6 – UUM&DS Release History:** provides the releases' history of UUM&DS Project and main features;
- **Chapter 7 – UUM&DS Applications secured by UUM&DS:** provides the list of EISs that are currently interconnected with UUM&DS;
- **Chapter 8 – UUM&DS Environments and URLs:** provides and defines the available environments and each URL;
- **Chapter 9 – Connecting a new EIS to UUM&DS:** provides the steps that should be followed to interconnect an EIS with UUM&DS;
- **Chapter 10 – How to get support:** provides the way to ask for support;
- **Chapter 11 – Index to UUM&DS relevant documentation:** provides the list of necessary documentation and the purpose of each one;

- **Chapter 12 – Frequently asked questions - FAQ:** provides frequently asked questions and way to overcome them;
- **Chapter 13 – Annexes:** includes useful links.

## 1.5 REFERENCE DOCUMENTS

There are no reference documents.

## 1.6 APPLICABLE DOCUMENTS

Ref.	Title	Originator	Version	Date
A01	ITSM3-TES Specific Contract 13	DG TAXUD	N/A	15/04/2023

**Table 1: Applicable documents**

## 1.7 ABBREVIATIONS & ACRONYMS

For a better understanding of the present document, the following table provides a list of the principal abbreviations and acronyms used.

See also the ‘list of acronyms’ on TEMPO.

Abbreviation/Acronym	Definition
Admin	Administrator
AOP	Association of persons
BTI	Binding Tariff Information
CAS	Central Authentication Service
CBAM	Carbon Border Adjustment Mechanism
CCM	Central Certificate Management
CCN	Common Communication Network
CD	Central Delegation
CDS	Customs Decisions System
CED	Commission Enterprise Directory
CESOP	Central Electronic System of Payment information
CIRCABC	Communication and Information Resource Centre for Administrations, Businesses and Citizens
CONF	Conformance
ACC	Acceptance Environment
CR	Customer Representative
CT	Conformance Testing
CTOD	Conformance Test Organisation Document
CUP-MIS	Customs Union Performance - Management Information System
DG TAXUD	Directorate General – Taxation and Customs Union
DIGIT	Directorate General – Informatics
EC	European Commission
ECAS	European Commission Authentication Service
eID	electronic Identification
eIDAS	Electronic Identification and Signature
Ext	External

eSignature	Electronic Signature
EIS	(Customs) European Information Systems
EMPL	Employee
EO	Economic Operator
EORI	Economic Operator Registration Identifier
EOS-AEO	Authorised Economic Operators
ETS	EU Emissions Trading System
EU	European Union
FAQ	Frequently asked Questions
FD	Full delegation
FGA	Fine Grained Authorisation
FSS	Functional System Specifications
HTTP	Hypertext Transfer Protocol
HTTPS	Hypertext Transfer Protocol Secure
IAM	Identity and Access Management
IdP	Identity Provider
IGMS	Integration Guide for Member States
IPR	intellectual property rights
IT	Information Technology
ITSM	IT Support Management (DG TAXUD contractor)
LCM	Local Certificate Management
LD	Local delegation
LOTL	List of Trusted List
LP	Legal Person
MCM	Mixed Certificate Management
MS	Member State
NA	National Administration
NCM	No Certificate Management system
ND	No delegation
NP	Natural Person
NSD	National Service Desk
ORG	Organization identifier
PGS	Playground Environment
PICS	Programmes Information and Collaboration Space
PROD	Production Environment
S2S	System to System
SAML	Security Assertion Markup Language
SDA	Subdomain Administrator
Sec	Security
SfA	Submitted for Acceptance
SfR	Submitted for Review
sFTP	Secure File Transfer Protocol
SLA	Service Level Agreement
SMT	Service Management Tool
SPOC	Single Point of Contact

TDS	Test Design Specification
TES	Trans European System
TIN	Tax Identification Number
TLS	Transport Layer Security
TSS	Technical System Specifications
U2S	User to System
UBI	Ubiquitous
UCC	Union Customs Code
UUM&DS	Uniform User Management & Digital Signature
VAT	Value-Added Tax identification number
WAYF	Where Are You From

**Table 2: Abbreviations and acronyms**

## 1.8 DEFINITIONS

<b>Term</b>	<b>Definition</b>
Actor	This relates to an account in UUM&DS. An account is a definition of a user having a specific federated account (eIDAS or EU login), that will contain one or more identities.
Applications	Applications in UUM&DS are meta-data about a Central Service. These meta-data are used to manage the security and access of the Central Service.
Authorisation	Authorisation is the act of confirming that a registered user is entitled to access a service prior to permitting that access.
Authorisation data	Attributes (roles/data) used in the Authorisation process, in order a user could have access/perform operations in his or other person's behalf (delegation)
EU Login	EU Login is the European Commission's user authentication service. It is the system for logging on to a whole range of websites and online services run by the European Commission.
CED	CED is the Commission European Directory, and it is used to know the ECAS account name of EC Officials. This is needed when creating assignments or delegations for EC officials.
Central Service	A Central Service is a component that is protected by UUM&DS and hosted at DG TAXUD. This component is not part of UUM&DS and is usually a Central Customs European Information System.
Conformance Testing	This is testing that is done to obtain technical assurance that a National Administration is ready to enter the trans-European system without risk of disturbing the parties already in operation in the system.
Delegate/Representative	The person who is assigned the authorisation(s) by the delegator
Delegation	The delegation is the action of a person (legal or natural) to assign to another natural or legal person to act on his behalf by delegating one or more of his authorisations defined as business profiles. The scope of the delegated business profiles (scoped by application) can be the same or a subset of the one of the original business profiles.

<b>Term</b>	<b>Definition</b>
Delegator	The person who owns the authorisations and decides to assign -all or part of- them to another natural or legal person (delegate).
EC Mail Gateway	EC Mail gateway is a European Commission system for sending e-mails to people. In UUM&DS, it is used for notifying Economic Operators or UUM&DS Admins about an action (delegation, application's approvals, ...)
ECAS	ECAS is the European Commission Authentication portal. It is federated by UUM&DS to authenticate EC Officials.
ECAS / EU LOGIN	ECAS is the European Commission Authentication portal. It is federated by UUM&DS to authenticate EC Officials.
eIDAS	Electronic identification and trust services (eIDAS): regulatory environment and beyond. ( <a href="https://ec.europa.eu/dgs/connect/en/content/electronic-identification-and-trust-services-eidas-regulatory-environment-and-beyond">https://ec.europa.eu/dgs/connect/en/content/electronic-identification-and-trust-services-eidas-regulatory-environment-and-beyond</a> )
Mandate	The action of a person (legal or natural) to assign an authorisation to a natural person (i.e., employee) to act on his behalf. This may be done for one or more authorisations of the delegator, defined as business profiles. A mandate to a natural person may be assigned by either a delegate (case of a second level delegation) or a delegator (first level delegation). The scope of the delegated business profiles (scoped by application) can be the same or a subset of the one of the original business profiles.
Mandated Person	Natural person who has been mandated either by the delegator who owns the authorisations or by the Delegated person, who has been assigned a set of authorisations, to act on his behalf but the responsibility for his actions remains to the originator of the mandate.
MS IAM	MS IAM is a Customs IT system which offers authentication services to Economic Operators and provides a set of user's attributes such as business profiles to central services through UUM&DS. It can also manage EO delegations to other entities. The MS IAM system provides access to national Customs IT systems and is extended to enable access to central Customs European Information Systems for EO.
Release/Service Pack	A collection of hardware, software, documentation, processes, or other components required to implement one or more approved changes to IT Services. The contents of each release are managed, tested, and deployed as a single entity.
SAML Adapter	This is the component which is responsible to make the integration between the MS PEPS and the MS IAM.
UUM&DS Admin	UUM&DS Administrators oversee managing UUM&DS meta-data, such as the registration of Central Services. There are different kinds of administrators with specific tasks.
UUM&DS protocol	The protocol used to exchange message between the Specific Proxy Service and the Attribute Provider

Term	Definition
UUM&DS User	The end-user accessing the Central Service after being authenticated and authorised by UUM&DS.

## 2 WHAT UUM&DS IS AND WHAT IT OFFERS

UUM&DS acronym means Uniform User Managements & Digital Signature and offers authentication (Who I am), authorisation (What I'm allowed to do) and Digital Signature services to the European Commission applications federating Member States' Identity and Access providers.

### 2.1 SCOPE

The EU-wide Uniform User Management and Digital Signatures system offers to Economic Operators a single access point, to allow the authentication for accessing the unified European Information System (EIS) including IT systems such as UCC Customs Decisions, EOS-AEO, UCC BTI usage and decision, EU Customs Trader Portal, including central services for electronic submission of declarations.

### 2.2 HOW TO USE - WHAT TO EXPECT

Depending on the MS, the user is redirected to the appropriate environment. For eIDAS MS Types they are redirected to the authentication portal with the signed request. MS IAM validates the request and displays the authentication page. The User submits the MS IAM authentication form, provides the authentication method and then the specified credentials, that have been assigned to him by the MS. As For EU Login MS Types they are redirected to TAXUD CAS authentication page where they submit the form providing the necessary information.

On each occasion if the user is authorised, UUM&DS redirects the user to the EIS via a ticket which performs fine-grained-authorisation and displays the EIS page.

Once a user tries to access an EIS, the user will be redirected to UUM&DS (WAYF Page) to proceed with the authentication:

European Commission  
UUM&DS

European Commission > TAXUD authentication portal

## Where are you from (wayf)

Select the application domain you want to access  
Customs

Select the country where you want to be authenticated  
Please select...

Select type of actor  
Select a natural/legal type of actor

I give my consent to request my Identity Profile information and share it with UUM&DS and Customs EIS

Submit

**Figure 1 - WAYF Page**

Accessing UUM&DS Administrative interface:

- a. Subdomain Administrators (SDAs) can access UUM&DS using the below link:

Admin Sec-ext (CONF): <https://conformance.customs.ec.europa.eu/taxud/uumds/admin-sec-ext/>

Admin Sec-ext (PROD): <https://customs.ec.europa.eu/taxud/uumds/admin-sec-ext/>

- b. As for the Economic Operators (EOs), Customer Representatives (CRs) and Employees (EMPLs) the following links should be used to create/accept delegation and for certificates registration (in case of using Central Services):

Admin ext (CONF): <https://conformance.customs.ec.europa.eu/taxud/uumds/admin-ext/>

Admin ext (PROD): <https://customs.ec.europa.eu/taxud/uumds/admin-ext/>

## 2.3 LEGAL BASIS

UUM&DS Project definition and purpose:

[Commission Implementing Decision (EU) 2019/2151 of 13 December 2019 establishing the work program relating to the development and deployment of the electronic systems provided for in the Union Customs Code]

Link: [http://data.europa.eu/eli/dec\\_impl/2019/2151/oj](http://data.europa.eu/eli/dec_impl/2019/2151/oj)

UUM&DS Objectives, use, access/administration management and Member States' IAM:

[Commission Implementing Regulation (EU) 2023/1070 of 1 June 2023 on technical arrangements for developing, maintaining and employing electronic systems for the exchange and storage of information under Regulation (EU) No 952/2013 of the European Parliament and the Council]

Link: [http://data.europa.eu/eli/reg\\_impl/2023/1070/oj](http://data.europa.eu/eli/reg_impl/2023/1070/oj)

## 3 UUM&DS DEFINITIONS

### 3.1 TYPE OF MEMBER STATES

MS IAM is the group of components in the National Domain that integrate with UUM&DS. The details of these components may vary depending on the MS. The different types of MS IAM described below (Before UUM&DS R2.4):

- a. **Type A** - MS IAM is one consolidated system for the authentication and authorisation of users that can be directly interfaced with the UUM&DS system;
- b. **Type B** - MS IAM consists of two systems, one for the authentication and another for the provision of additional attributes. UUM&DS requests and retrieves authentication and authorisation information from one system in the MS which the Single Point of Contact (SPOC) with UUM&DS;
- c. **Type C** - MS IAM consists of multiple IAMs for the authentication and the authorisation of users. MS shall provide a unified IAM with a common authentication portal in order to interface with the UUM&DS system;
- d. **Type D** - The MS has no IAM that can be federated with UUM&DS. Consequently, it will provision identities and authorisations into the central UUM&DS system.

However, as from UUM&DS R2.4 it changes radically (two types of MSs):

- a. **eIDAS - Replacement of Type A / B / C**  
Unified authentication verified by Electronic Identification and Signature (eIDAS) which oversees electronic identification and Trusted services for electronic transactions in the European Union's internal market. It regulates electronic signatures, electronic transactions, involved bodies, and their embedding processes to provide a safe way for users to conduct business online like electronic funds transfer or transactions with public services.
- b. **EU Login - Replacement of Type D**  
Countries that haven't implemented their own IAM, must go through the Central European system. In order to do that, these MSs must access the EU login instance. This will allow the usage of one unique account for different EC central services and support two steps or two factors authentication using respectively mobile app and UBI key.

### 3.2 TYPE OF ACTORS

Each Type of Actor is qualified with a specific list of attributes, identifiers, and assignment rights:

- a. **EC Officials** - European Commission Officials. European Commissions employees perform internal UUM&DS tasks. EU Officials are authenticated using the corporate EU Login service.
- b. **MS Officials** - Member State Officials. Member State Officials Coordinate the National Project Team and are the focal point from DG TAXUD and ITSM TES perspective. MS Officials oversee Conformance tests, reports, and meetings.
- c. **EO** - Economic Operator. The entity which has the rights and obligation to access European Information System (EIS).  
Identifier:
  - i. EORI;
  - ii. VAT.
- d. **CR** - Customer Representative. The entity that represents the EO.  
Identifiers:
  - i. EORI;
  - ii. VAT;
  - iii. European eID.
- e. **EMPL** - Employee. The Natural person employed by the EO or the CR.  
Identifiers:

- i. VAT;
- ii. National eID;
- iii. European eID.

### 3.3 TYPE OF IDENTIFIERS

Depending on the Type of Actor WAYF page may require one of the bellow identifiers:

- a. **EORI** - Economic Operator Registration Identifier - The EORI number is the unique identification number issued by the competent customs office to any business or other Economic Operator involved in customs transactions. Once the EORI number is issued, it should be used by the operator in all transactions with the customs authorities of all EU Member States, as a unique identification number;
- b. **VAT** - Value-Added Tax identification number is an identifier used in many countries, including the countries of the European Union, for value-added tax purposes;
- c. **European eID** - European electronic Identification ("eID") is a set of services provided by the European Commission, to enable the mutual recognition of national electronic identification schemes (eID) across borders. It allows European citizens to use their national eIDs, when accessing online services from other European countries;
- d. **National eID** - National electronic Identification ("eID") is a digital solution for proof of identity of citizens or organizations. National eID can be used to view, access benefits or services provided by government authorities, banks, or other companies, for mobile payments, etc. Apart from online authentication and login, many electronic identity services also give users the option to sign electronic documents with a digital signature;
- e. **X509** - Certificate used for system authentication (using TLS or signature);
- f. **ORG** - Organization identifier;
- g. **TIN** - Tax Identification Number is introduced in CBAM to identify Third Countries Other Parties.

### 3.4 TYPE OF PERSONS

In law there are two kinds of legal entities (human and non-human), each one having different responsibilities and given rights:

- a. **NP - Natural Person**. A natural person is a living human being with certain rights and responsibilities under the law;
- b. **LP - Legal Person (Legal entity)**. A legal person is any person or any legal entity that can do the things a human person is usually able to do in law – such as enter contracts, own property, and so on (companies and corporations);
- c. **AOP - Association of persons**. Association of Persons (AOP) is a group of persons who come together for achieving a common objective and have the same mindsets. Members of the AOP can be natural or legal persons.

### 3.5 AUTHORISATION MODEL

The authorisation model of UUM&DS defines three levels of authorisation, Business Profiles, Application Roles, and Application Permissions. It also defines policies that are used to protect central services by declaration in UUM&DS.

The authorisation policy management is business driven, by defining for the different types of actors (e.g., Economic Operators) their corresponding business profiles. The business profile encapsulates the IT application roles and their subsequent mapping to IT application permissions, for specific functions and services offered by the central Customs EIS.

As a result, the technical complexity of authorisation management is hidden from the end user. It is also possible to scope the business profile to a specific set of applications.

The authorisation policy is implemented by assigning the business profiles to the different Types of Actors at MS level for Economic Operators. For delegated actors (e.g., Representatives of Economic Operators) the assignment can be managed either by the MS IAM or by the UUM&DS central delegation service. The implementation of a flexible authorisation model allows future implementation of changes in the IT application, without affecting existing authorisation assignments.

### 3.6 eIDAS-NODE

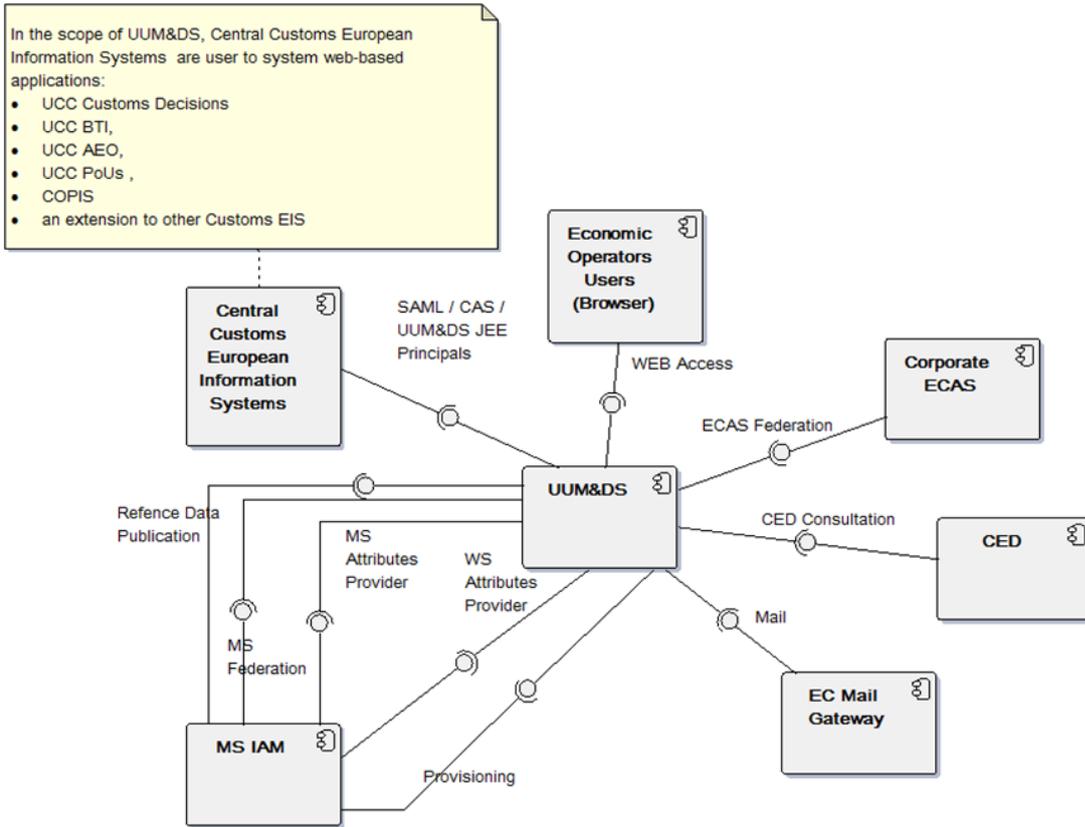
eIDAS-Node is a reference implementation of the eID eIDAS Profile able to communicate with other nodes of the eIDAS Network. The eIDAS-Node can either request (via an eIDAS-Node Connector) or provide (via an eIDAS-Node Proxy Service) cross-border authentication. This component is used to communicate with TAXUD CAS central component.

- a. **eIDAS Simple Protocol** implementation is used to demonstrate a MS-Specific protocol between SP and Specific-Connector and between IdP and Specific Proxy Service. Not to be used in production;
- b. **eIDAS Light Request** and eIDAS Light response belong to the Light Common application component and utility classes that are used for implementing as basis for the eIDAS-Commons and MS Specific Connector and MS Specific Proxy Service modules. It is referenced in this document as eIDAS Reference Node Light Protocol.

### 3.7 LOGICAL VIEW

The logical view describes the architecturally significant parts of the UUM&DS design model, broken down into layers and subsystems.

Figure 2 displays IT systems and applications that UUM&DS system is required to interact and exchange information with:



**Figure 2 - UUM&DS system interactions with IT systems and applications**

## 4 SERVICES AND FEATURES OF UUM&DS

### 4.1 IDENTITY AND ACCESS MANAGEMENT

Identity and Access Management (IAM) is a security and business discipline that includes multiple technologies and business processes, to help the right people or machines access the right assets at the right time for the right reasons, while keeping unauthorised access and fraud at bay.

UUM&DS implements IAM to secure European Information Systems:

- a. **U2S** - User to System access (EO, CR, EMPL) - User to System communication refers to the exchange of information, requests between the user and European Information System (EIS). This means that a user interacts with an application;
- b. **S2S** - System to System access - System to System communication refers to the process of computer systems exchanging user-related information, authentication credentials, and access permissions with each other in a seamless and coordinated manner.

### 4.2 CERTIFICATE MANAGEMENT

Certificate Management is a process aiming to establish an association between the Identifier of the Actor (EO, CR, EMPL) and a certificate. Registering a certificate enables the actor to sign or prove its identity.

Supported Certificate Management methods are described below:

- a. **CCM** - Central Certificate Management: the link between a user identity and a certificate is maintained at UUM&DS central level. (The Central Certificate Management Manual can be found in the following link: <https://pics.ec.europa.eu/group/263/files/87007/download>);
- b. **LCM** - Local Certificate Management: the link between a user identity and a certificate is maintained at MS level. (Managed by MS);
- c. **MCM** - Mixed Certificate Management: the link between a user identity and a certificate is maintained either at MS level or at Central level;
- d. **NCM** - No Certificate Management system: the subdomain does not support digital signature and system to system.

### 4.3 DELEGATION SYSTEM

Delegation Management System is a web-based platform for delegators and delegates to create/accept delegations.

#### 4.3.1 Delegation Management

Supported Delegation Types are described below:

- a. **CD** - Central Delegation means the IAM does not have delegation logic implemented. All Business Profiles of the delegator is returned. (The Central Delegation Managements Manual can be found in the following link: <https://pics.ec.europa.eu/group/263/files/85472/download>);
- b. **LD** - MS IAM Delegation (Local delegation) means the IAM has delegation logic implemented and returns the delegated business profiles. (Managed by MS);
- c. **FD** - MS IAM Fully Local Delegation implying that no information is collected on the WAYF page, the MS IAM collects it and sent it back into the SAML assertion;
- d. **ND** - Delegation is not supported.

### 4.3.2 Delegation Levels

Supported Delegation Levels between Actors are described below:

- a. **1st Level Delegation** - First Level Delegation is the action of a person (legal or natural), who owns the authorisations, to assign to another natural or legal person to act on his behalf, by delegating one or more of his authorisations defined as business profiles to another natural or legal person;
- b. **2nd Level Delegation** - The action of a delegate (legal or natural person) to further delegate his or hers delegated authorisation(s) to another person (natural or legal). For UUM&DS central delegation service second level delegation shall implement second level delegation from a natural or legal person only to a natural person which is equivalent to a mandate;
- c. **X-Border Delegation** - The action of a delegation between two or three actors (second level delegation) belonging to different subdomains (Member States).

**Validity period:** The Delegator must specify the period for which the delegation is valid. UUM&DS does not accept a delegation without an explicit validity period. The maximum period cannot exceed one calendar year (365 calendar days). The delegation cannot be extended; a new delegation must be created explicitly after 1-year time.

## 5 UUM&DS - BUSINESS USAGE EXAMPLES

In this section, few common Business usage examples (Nominal cases) for the main features of UUM&DS are described:

1. Login and use an EIS (e.g., Custom Decisions, eBTI, eAEO etc.);
2. Delegate right(s) to another Actor to use an EIS;
3. Associate a Certificate with an identity (Certificate Registration);
4. Test Access to an EIS using a registered Certificate.



1. BUE - Login and use an EIS.pptx



2. BUE - Delegate right(s) to another A



3. BUE - Associate a Certificate with an ic



4. BUE - Test Access to an EIS using a req

## 6 UUM&DS RELEASE HISTORY

Below, the history of UUM&DS Releases along with their main features can be found:

### UUM&DS R1

- a. R1.0 U2S Flow;
- b. R1.5 U2S Flow / Separate admin access for SDAs (Admin-sec-ext).

### UUM&DS R2

- a. R2.0 - U2S & S2S CCM / LCM;
- b. R2.1 - Basic X-Border Delegation - MCM (CCM+LCM);
- c. R2.2 - Users' Migration from UUM&DS-CAS to EU LOGIN - Type D only;
- d. R2.3 - Upgrading of the MS Node Component from eIDAS v1.4 to eIDAS v2.5 (applies to MS type A, B & C the new eIDAS Type);
- e. R2.4 - Native eIDAS v2 integration (eIDAS v2.5);
- f. R2.5 - Extended X-Border Delegation;
- g. R2.6 (foreseen) - eIDAS v2.6 / Technical Upgrade;
- h. R2.7 (foreseen) - EU Sign Connector, FGA (Fine Grained Authorisation) for Admin;
- i. R2.8 (foreseen) - EU Login major overhaul (LDAP replacement, Support for SAML).

## 7 UUM&DS - APPLICATIONS SECURED BY UUM&DS

In this section are described the applications secured by UUM&DS for the different application Domains of Taxation and Customs:

### 7.1 CBAM DOMAIN (CARBON BORDER ADJUSTMENT MECHANISM)

The EU's Carbon Border Adjustment Mechanism (CBAM) is a landmark tool to put a fair price on the carbon emitted during the carbon intensive production of goods entering the EU, and to encourage cleaner industrial production in non-EU countries. The gradual introduction of the CBAM is aligned with the phase-out of the allocation of free allowances under the EU Emissions Trading System (ETS) to support the decarbonisation of EU industry.

PGS: N/A

CONF NCA Portal: <https://conformance.cbam.ec.europa.eu/nca>

CONF Declarant Portal: <https://conformance.cbam.ec.europa.eu/declarant>

PROD NCA Portal: <https://cbam.ec.europa.eu/nca>

PROD Declarant Portal: <https://cbam.ec.europa.eu/declarant>

### 7.2 TAXATION DOMAIN

#### 7.2.1 Central Electronic System of Payment information (CESOP)

Central Electronic System of Payment information (CESOP) stores, aggregates and cross-checks the cross-border payments, with other European databases. All information in CESOP will then be made available to anti-fraud experts of Member States via a network called Eurofisc.

Access is only S2S and Subdomain Administrators for the Member States.

### 7.3 CUSTOMS DOMAIN

#### 7.3.1 EU-Customs Trader portal (EU-CTP) Module (Application Code: GTP)

The EU Customs Trader Portal provides a single access point to the online systems for “Authorised Economic Operators” (AEO), the “European Binding Tariff Information” (EBTI), the Information Sheet on Special Procedures (INF), and Registered Exporter system (REX).

PGS: N/A

CONF: <https://conformance.customs.ec.europa.eu/euctp/>

PROD: <https://customs.ec.europa.eu/gtp/>

- a. eAEO;
- b. REX;
- c. eBTI;
- d. INF;
- e. STI-STP (ICS2).

### **7.3.2 IPEP (Intellectual Property Enforcement Portal)**

The EU platform to manage customs applications for action (AFA) and deal with intellectual property rights (IPR) enforcement matters.

PGS: N/A

CONF1: <https://ohimdb-ict.ohim.ccncsi.int:8443/enforcementdb-ui-webapp/>

CONF2: <https://ohimdb-rect.ohim.ccncsi.int:8443/enforcementdb-ui-webapp/>

PROD: <https://www.ipenforcementportal.eu/exchange/>

<https://ohimdb.ohim.ccncsi.int:8443/enforcementdb-ui-webapp>

### **7.3.3 CDS - TP (Customs Decisions System, Trader Portal)**

The CDS allows traders to use a European Union (EU) Trader Portal to apply for and manage customs decisions electronically. The CDS is used to exchange and store information in relation to 22 specific customs decisions.

PGS: N/A

CONF: <https://conformance.customs.ec.europa.eu/tp-cdms-ui/>

PROD: <https://customs.ec.europa.eu/tpui-cdms-web/>

### **7.3.4 CUP-MIS (Customs Union Performance - Management Information System)**

Accessed only by European Commission Officials and Member State Officials.

### **7.3.5 Sample-CS**

This is a test page, that after authentication and authorisation returns user attributes and permissions. It can be used to test Member States' IAM and UUM&DS cooperation.

PGS: <https://webgatepgs.itsmtaxud.eu:8445/taxud/uumds/cs/>

CONF: <https://conformance.customs.ec.europa.eu/taxud/uumds/cs/>

PROD: <https://customs.ec.europa.eu/taxud/uumds/cs/>

## 8 UUM&DS ENVIRONMENTS AND URLS

In this section the available environments and the respective purposes are described:

### 8.1 DEV TOOLKIT

Essentially, UUM&DS Dev Toolkit is UUM&DS in a box. It fully simulates UUM&DS assisting in development of federated IAM or EIS.

### 8.2 PGS (PLAY GROUND)

This environment is a playground offered to MS in case they would like to try new ideas without disturbing their normal test environment (CONF). This environment is maintained on a best effort basis and offers no SLA.

- i. Admin Sec-ext (Only for SDAs):  
Link: <https://webgatepgs.itsmtaxud.eu:8445/taxud/uumds/admin-sec-ext>
- ii. Admin ext (EO, CR, EMPL):  
Link: <https://webgatepgs.itsmtaxud.eu:8445/taxud/uumds/admin-ext>
- iii. Decide Access Rights (S2S Test):  
Link: <https://webgatepgs.itsmtaxud.eu:8445/taxud/uumds/cs/pdp-api/index.jsp>

### 8.3 CONFORMANCE (ACCEPTANCE)

This is a Production-like environment with a fully working copy of UUM&DS. It's used for Conformance Testing from the Member States. This environment is highly available supported by SLA.

- i. Admin Sec-ext (Only for SDAs):  
Link: <https://conformance.customs.ec.europa.eu/taxud/uumds/admin-sec-ext/>
- ii. Admin ext (EO, CR, EMPL):  
Link: <https://conformance.customs.ec.europa.eu/taxud/uumds/admin-ext/>
- iii. Decide Access Rights (S2S Test):  
Link: <https://conformance.customs.ec.europa.eu/taxud/uumds/cs/pdp-api/index.jsp>

### 8.4 PRODUCTION

Actual Production environment of UUM&DS. This environment is highly available supported by SLA.

- i. Admin Sec-ext (Only for SDAs):  
Link: <https://customs.ec.europa.eu/taxud/uumds/admin-sec-ext/>
- ii. Admin ext (EO, CR, EMPL):  
Link: <https://customs.ec.europa.eu/taxud/uumds/admin-ext/>
- iii. Decide Access Rights (S2S Test):  
Link: <https://customs.ec.europa.eu/taxud/uumds/cs/pdp-api/index.jsp>

## 9 CONNECTING A NEW EIS (CENTRAL SERVICE) TO UUM&DS

Before development:

- a. Meeting required with Business Team and DIGIT DEV of UUM&DS to start the process;
- b. Download and install the UUM&DS DevTool Kit to be used for development ([FAQ 4](#)).

After development (Connecting to Conf/Prod)

- a. Fill in the Application Configuration excel file:



#Name - UUM&DS  
CONFIG.xlsx

- b. Send Application Configuration excel file to ITSM (through Synergia SMT application);
- c. Follow up with Synergia ticket.

More detailed information can be found in the following documents:

- i. CS TSS;
- ii. CS INTEGRATION Guide.

**Note:** Last versions of the mentioned documents can be found in [Section 11](#).

## 10 HOW TO GET SUPPORT - PROCEDURE OF DIAGNOSTIC REQUESTS

Should any issues or requests arise during the CT Campaign (Conformance) or Operations (Production), the process below should be followed:

- a. Register an Incident in Synergia SMT application (<https://itsmtaxud.europa.eu/smt/>);

or

- b. Send an email to ITSM Support - [support@Itsmtaxud.europa.eu](mailto:support@Itsmtaxud.europa.eu) (Service Desk will register a ticket on your behalf). In all cases should be added in copy (cc) the following functional mailbox of ITSM3 TES Contractor: [uumds@itsm3tes.com](mailto:uumds@itsm3tes.com).

In both options, “UUM&DS CONF” or “UUM&DS PROD” should be included in the subject to define application/environment.

**Note 1:** To request SMT Application access please contact [support@Itsmtaxud.europa.eu](mailto:support@Itsmtaxud.europa.eu) via email.

In case of any error occurred, it is mandatory to provide the following information so that to be able to further proceed with the investigation:

- i. Business case description;
- ii. Error Code;
- iii. Timestamp;
- iv. Print Screen of the issue.

**Note 2:** As for EOs support should come through the National Service Desk (NSD):

<https://taxation-customs.ec.europa.eu/system/files/2022-03/UUM%26DS%20NSD.pdf>

## **11 INDEX TO UUM&DS RELEVANT DOCUMENTATION**

The updated documentation for UUM&DS Project is always available on PICS, using the below path:

PICS link: <https://pics.ec.europa.eu/group/taxud-uumds/files>

*Path: files/TAXUD - UUMDS/Manuals/*

**Note:** Manuals for each release are in the respective directories.

### **11.1 FUNCTIONAL SYSTEM SPECIFICATIONS (FSS)**

UUM&DS Functional System Specifications document describes the functional specification of UUM&DS. These specification covers the UUM&DS access management and the UUM&DS main external interfaces that enable the UUM&DS integration with MS IAM and Central Services. It consists of all needed test for the CT.

### **11.2 TECHNICAL SYSTEM SPECIFICATIONS FOR MS (MS TSS)**

UUM&DS Technical System Specifications document defines technical terms under which the Functional System Specifications will be implemented, considering the System Architecture. It composes the technical definition of the interfaces with MS IAM, MS Certificates Management systems and services shared among these systems and the central UUM&DS system.

### **11.3 TECHNICAL SYSTEM SPECIFICATIONS FOR CS (CS TSS)**

UUM&DS Technical System Specifications document for Central Services describes the architectural aspects of the solution architecture of the UUM&DS. The purpose of the solution is to serve data exchange between European Union (EU) Member States, trading partners and 3rd party organisations. This document provides an overview of the required solution capabilities and the software components out of which the UUM&DS is to be developed.

### **11.4 INTEGRATION GUIDE FOR MS (IGMS)**

UUM&DS MS integration guide document defines in detail the process for the MS Identity and Access Management (MS IAM) system to integrate with the UUM&DS system. It consists of the deployment process definition, configuration and customization of the UUM&DS System MS Package and the required adaptation in the MS IAM to use UUM&DS Web Services.

### **11.5 CONFORMANCE TEST ORGANIZATION DOCUMENT (CTOD)**

Conformance Test Organization document defines the Conformance Test Procedure that must be used by the MSs and the ITSM3 TES Conformance Testing Team within the scope of UUM&DS. The main purpose of this Conformance Test Organization Document (CTOD) is planning the practical arrangements regarding the Conformance Test (CT) campaign - communication, planning and reporting activities.

### **11.6 UUM&DS TEST DESIGN SPECIFICATIONS (TDS) - CONFORMANCE TESTS (CT)**

UUM&DS Test Design Specifications document describes the test cases and scenarios that together define the testing activities for the UUM&DS system. Information on the required environment and references to the requirements are also included. The document should be used to guide the execution

of all Conformance Tests (CT), as a means for validating the implementation against the system and application specifications.

### **11.7 UUM&DS - USER GUIDE**

UUM&DS User Guide contains technical information on how to manage the UUM&DS system. The document describes in detail UUM&DS actors, the Authentication and Authorisation verification process, the Delegation management services, and the Reference Data objects and related services. It details the steps to be performed to manage the UUM&DS system.

### **11.8 UUM&DS DEVELOPMENT KIT USER GUIDE**

UUM&DS Development Kit User Guide contains all the information regarding the Development Kit (DEV Tool kit). It describes in detail how to download, install, and use this tool in order to utilize it for the development phase.

## 12 FREQUENTLY ASKED QUESTIONS - FAQ

In this section the most frequently asked questions and the related answers are described:

### 12.1 HOW TO ACCESS SYNERGIA SMT APPLICATION

To request access to Synergia SMT application an email should be forwarded to the Service Desk ([support@Itsmtaxud.europa.eu](mailto:support@Itsmtaxud.europa.eu)) putting in Subject:

“UUM&DS: Synergia SMT access request”

Service Desk will inform the issuer once the request is completed.

### 12.2 HOW TO ACCESS PICS AND/OR WIKI PAGES

To request access on PICS and/or Wiki an email should be forwarded to the Service Desk ([support@Itsmtaxud.europa.eu](mailto:support@Itsmtaxud.europa.eu)) putting in Subject:

“UUM&DS: [NA-....] PICS and/or Wiki access request”

ITSM TES will inform the issuer once the request is completed.

### 12.3 HOW TO ACCESS SFTP SERVER

To request the step-by-step instruction an email should be forwarded to the Service Desk ([support@Itsmtaxud.europa.eu](mailto:support@Itsmtaxud.europa.eu)) putting in Subject:

“UUM&DS: [NA-....] sFTP Server access request”

Additionally, the process is described in the following document, found in PICS link: <https://pics.ec.europa.eu/group/263/files/104564/download>

### 12.4 HOW TO RECEIVE DEV TOOLKIT AND/OR MS PACKAGE

To request DevTool Kit and/or MS Package an email should be forwarded to the Service Desk ([support@Itsmtaxud.europa.eu](mailto:support@Itsmtaxud.europa.eu)) putting in Subject:

“UUM&DS: [NA-....] Development Toolkit and/or MS Package request”

ITSM will then make the Development Toolkit and/or MS Package available in MSS’ sFTP Server.

**Note:** There is a retention period of 30 days in the sFTP.

## 13 ANNEXES

### ANNEX 1: UUM&DS USEFUL LINKS

**LOTL** - A list including all authorities provided with business rights by TAXUD to issue registration certificates.

Link: <https://webgate.ec.europa.eu/tl-browser/#/>

**PICS** - PICS is an online collaboration platform for tax and customs professionals working in national administrations across Europe to share files and Documents.

Link: <https://pics.ec.europa.eu/group/taxud-uums/files>

**Wiki Page** - In this TAXUD Knowledge and Project management space can be easily searched further knowledge of UUM&DS Project, to keep track of ongoing projects and find interesting articles and reports.

Link: <https://webgate.ec.europa.eu/fpfs/wikis/pages/viewpage.action?pageId=446796411>

**NSD** - National Service Desk UUM&DS contact points (for all MS) - Each MS has created their own NSD, where traders can refer for information and guidance regarding UUM&DS and its various applications.

Link: <https://taxation-customs.ec.europa.eu/system/files/2022-03/UUM%26DS%20NSD.pdf>