

European Digital Credentials for Learning and the Diploma Supplement

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28 May 2024



Policy context

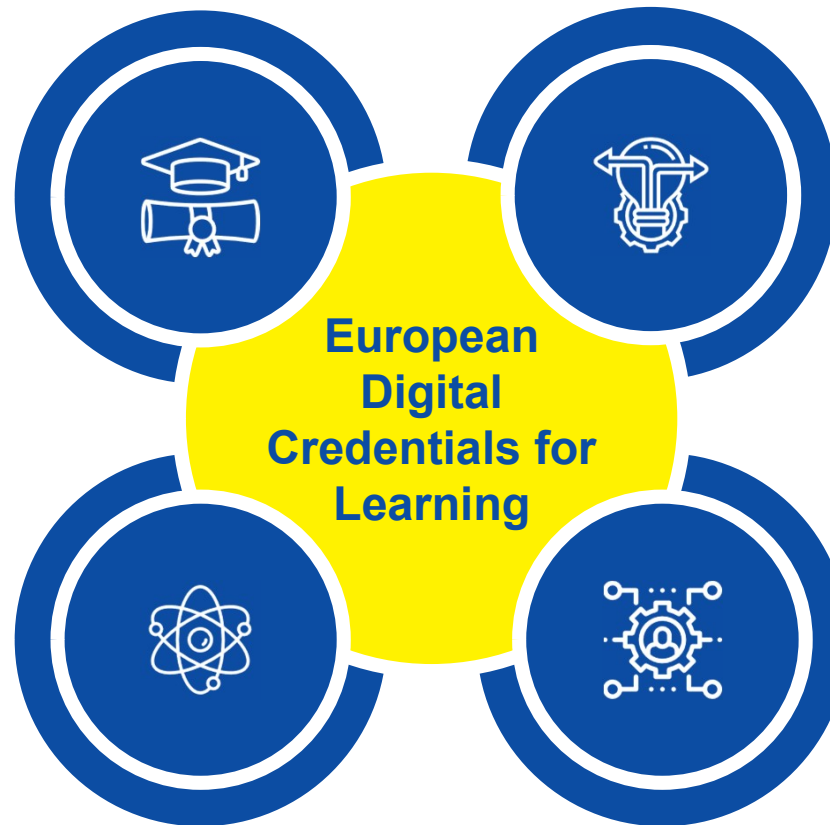
European Pillar of Social Rights

Achieving the European
Education Area (2025)

European Qualifications
Framework

Micro-Credentials
Recommendation

European Skills Agenda



Europass Decision

Individual Learning
Account Recommendation

European Skills, Competences,
and Occupations (ESCO)

Digital Education
Action Plan

European Degree

Skills development in the EU

Lifelong upskilling and reskilling need to become the norm, ensuring

sustainable competitiveness

social fairness

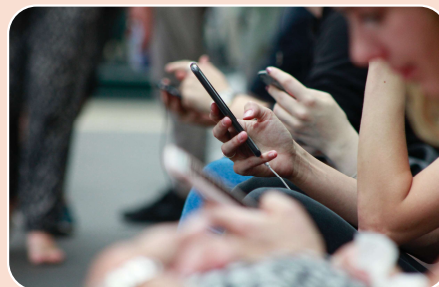
strong resilience



EU targets by 2030 related to skills



**60% of the
adult
population to
participate in
training each
year**



**80% of
Europeans to
have at least
basic digital
skills**

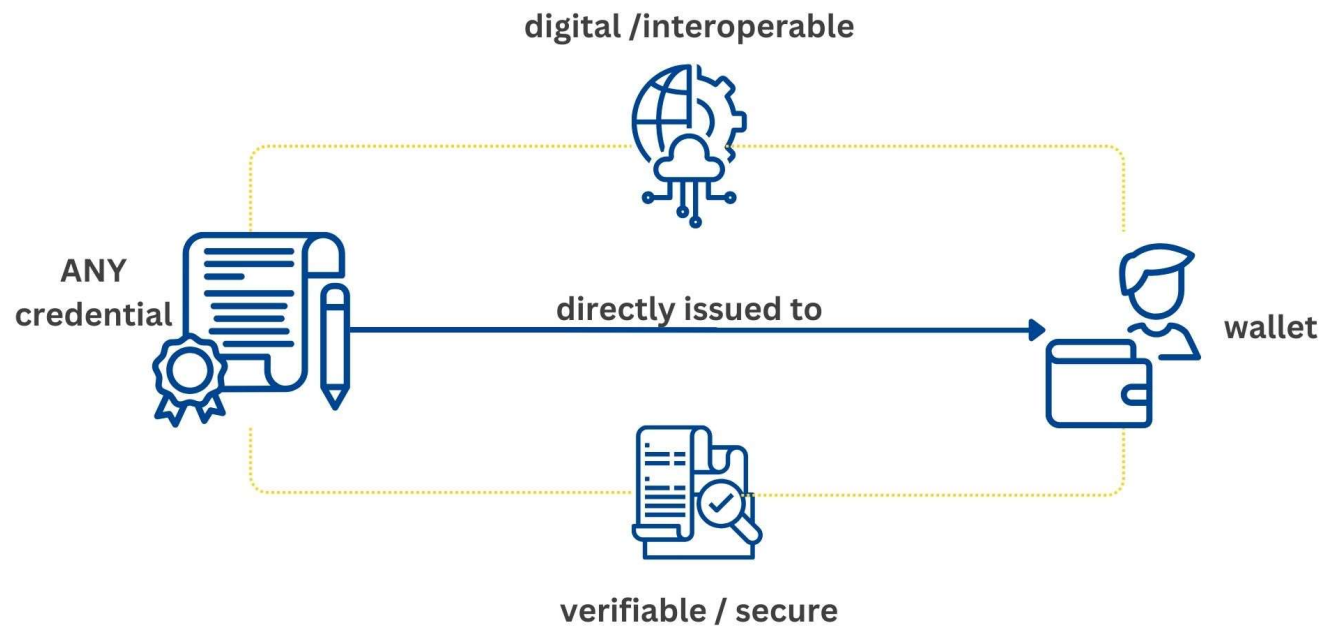


**20 million ICT
specialists
(+ gender
convergence)**

What is a Digital Credential?

What is it?

A digital presentation of our traditional learning credentials, securely received directly in one's digital wallet



Context of European Digital Credentials



Digitalising world



Security & Trust



Recognition



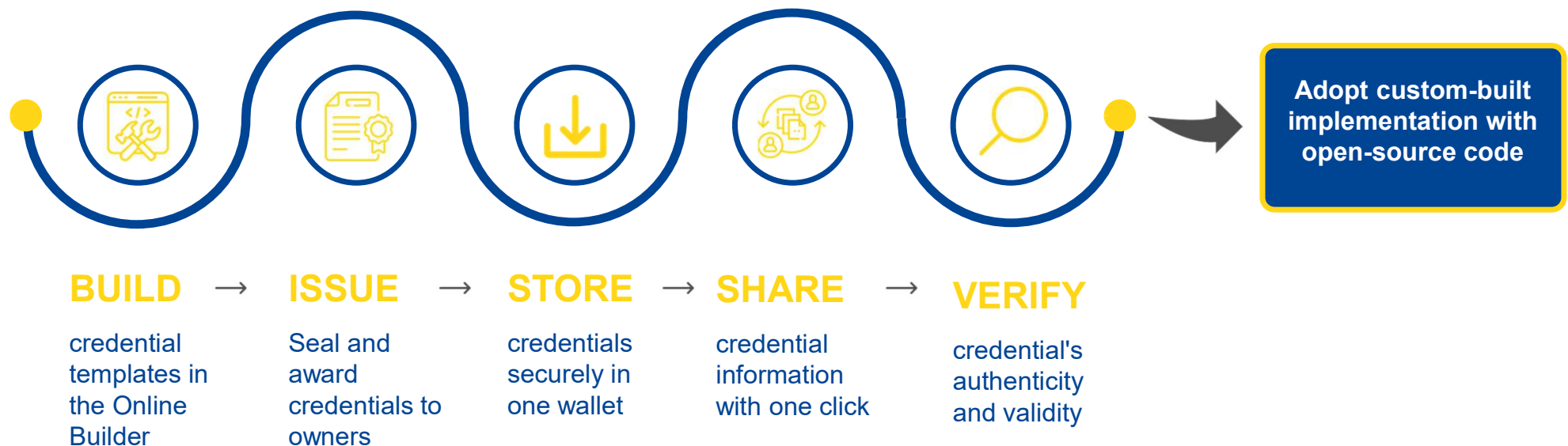
Showcasing
Knowledge & Skills



Ownership of data

What is offered by the EDC infrastructure?

Start with web-based free tools



[For a more detailed introduction to EDC – see our last Webinar](#)

Types of digital credentials

- A **credential**, in its most essential form, is a documented statement containing claims made about a person
- **qualifications** (e.g., professional certificates, university diplomas, VET diplomas, and diploma supplements),
- **activities** (e.g., participation in classes and non-formal learning events),
- **assessments** (e.g., transcripts of records), and
- **entitlements** (e.g., right to enrol in learning opportunities, or to undertake an occupation)

Europass diploma supplement

This Diploma Supplement model was developed by the European Commission, Council of Europe and Unesco/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.).

1. Holder of the qualification

1.1 Family name Mazar	1.2 First name Bilko
1.3 Date of birth (DD/MM/YYYY) 27/10/1976	1.4 Student ID number or code 1234567890

2. Issuing organisation

2.1 Institution University of Applied Sciences	2.2 Country Belgium
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Micro-Credential

awarded to
Ana Andromeda
successfully completing a micro-module
achieve Grade Pass

Recommendation Letter

19/10/2024

I am writing this letter to recommend Bilko Mazar for the Manager position they are applying for at your company. Bilko, in my opinion, reached the level of manager two years ago with their exceptional performance. Our organisation is not growing to the point where we can make them a manager, so I suggested that they explore other options.

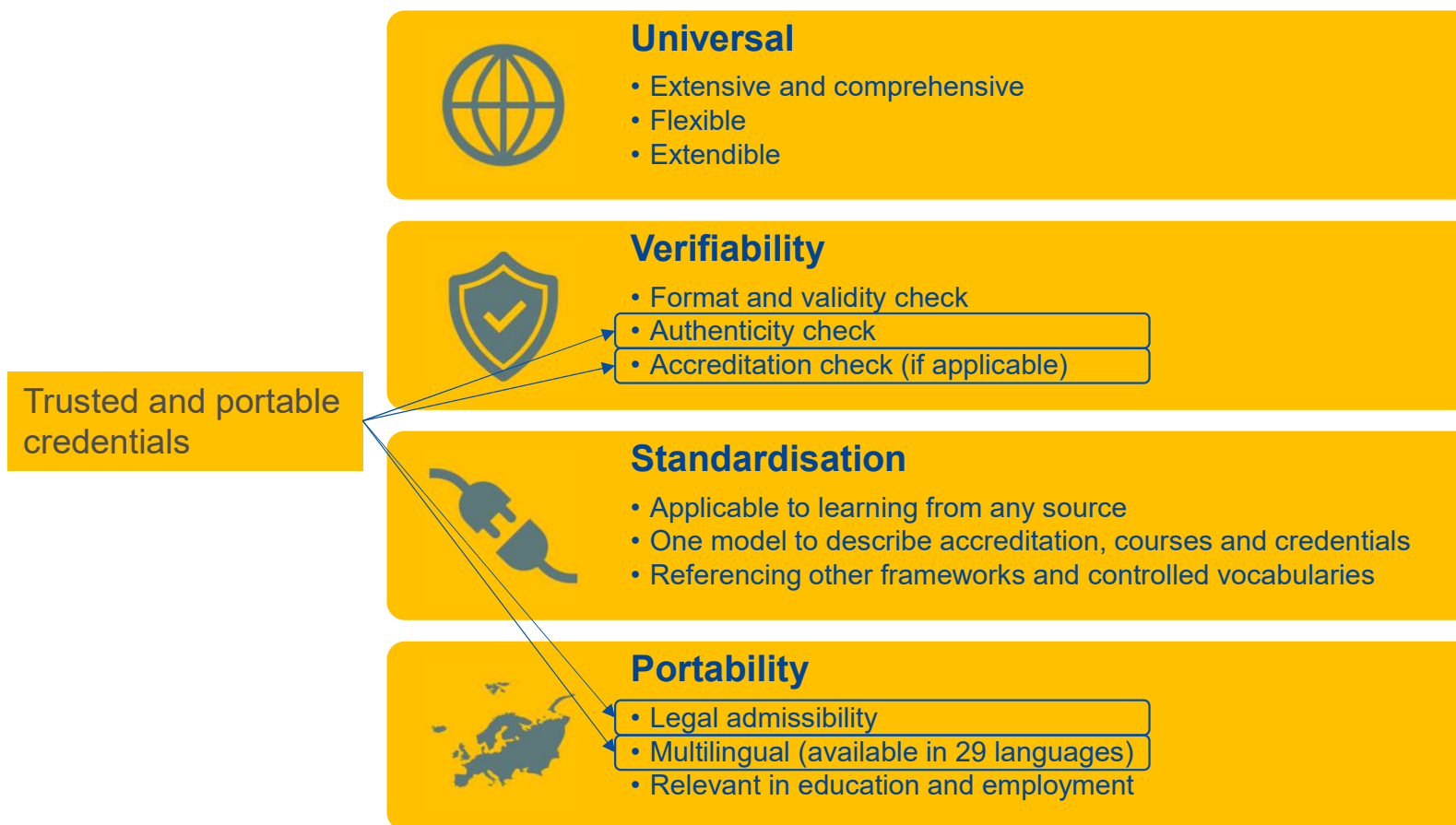
Bilko is exceptionally responsive to their duties and is able to interpret even the most complex instructions. They are already a resource for the people in their department and they have been acting as an unofficial supervisor for months. The move to becoming an official manager is the next logical step for them.

Bilko has been the team lead on several special projects and that was in my recommendation and the insistence of the employees. They have gained nothing but respect from their peers and they view them as a supervisor right now. Bilko has earned the title of manager and your company would benefit greatly from having them.

While I will be sad to lose Bilko Mazar, I feel that this is the right one for their career. Should you have any questions, please feel free to contact me by phone or email.

Sincerely Yours,
Alice Cooper
Company of Excellence

The success factors of ELM and EDC



Trusted credentials

Accreditation checks and electronic seals

The digital credential content and envelope

A **digital credential** covers two areas:

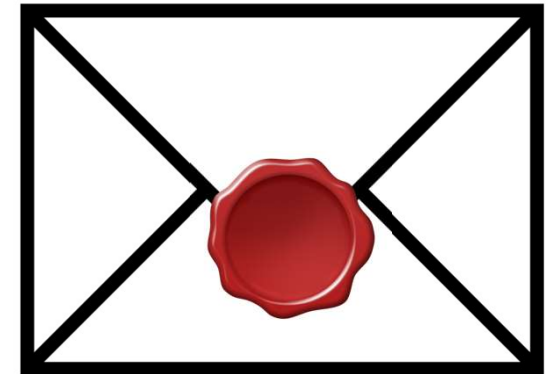
- **Content** = learning outcomes, skills, description of the activities
- **Envelope** = area of identity, authentication, secure delivery policies

A **European Digital Credential for Learning** is a claim related to the learning achievement of a person. It creates the link between an individual, an awarding body, and a learning achievement.

A **European Digital Credential for Learning** consists of **data** that is structured in accordance with a data model (the European Learning Model).

European Digital Credentials for Learning are **tamper-evident** and secure (they respect data privacy). They comply with the **international standards** of “verifiable credentials”.

European Digital Credentials for Learning require an e-seal (= digital equivalent of an organisation’s rubber stamp with legal value in line with e-IDAS regulation).



Outline structure for the Diploma Supplement

The purpose of the Diploma Supplement is to provide sufficient **independent data** to improve the international ‘**transparency**’ and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the **nature, level, context, content and status of the studies** that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition.

- 1 INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION**
 - 1.1 Last name(s):
 - 1.2 First name(s):
 - 1.3 Date of birth (*day/month/year*):
 - 1.4 Student identification number or code (*if available*):
- 2 INFORMATION IDENTIFYING THE QUALIFICATION**
 - 2.1 Name of qualification and (*if applicable*) title conferred (*in original language*):
 - 2.2 Main field(s) of study for the qualification:
 - 2.3 Name and status of awarding institution (*in original language*):
 - 2.4 Name and status of institution (*if different from 2.3*) administering studies (*in original language*):
 - 2.5 Language(s) of instruction/examination:
- 3 INFORMATION ON THE LEVEL AND DURATION OF THE QUALIFICATION**
 - 3.1 Level of the qualification:
 - 3.2 Official duration of programme in credits and/or years:
 - 3.3 Access requirements(s)
- 4 INFORMATION ON THE PROGRAMME COMPLETED AND THE RESULTS OBTAINED**
 - 4.1 Mode of study:
 - 4.2 Programme learning outcomes:
 - 4.3 Programme details, individual credits gained and grades/marks obtained: (*if this information is available in an official transcript this should be used here*)
 - 4.4 Grading system and, if available, grade distribution table:
 - 4.5 Overall classification of the qualification (*in original language*):
- 5 INFORMATION ON THE FUNCTION OF THE QUALIFICATION**
 - 5.1 Access to further study:
 - 5.2 Access to a regulated profession (if applicable)
- 6 ADDITIONAL INFORMATION**
 - 6.1 Additional information:
 - 6.2 Further information sources:
- 7 CERTIFICATION OF THE SUPPLEMENT**
 - 7.1 Date:
 - 7.2 Signature:
 - 7.3 Capacity:
 - 7.4 Official stamp or seal:
- 8 INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM**

(*N.B. Institutions who intend to issue Diploma Supplements should refer to the explanatory notes that explain how to complete them.*)

ELM has 487 properties to describe content

2.2 Main field(s) of study

2.5 Language(s) of instruction

3.1 Level of qualification

3.2 Official duration

3.3 Access requirements

4.1 Mode of study

4.2 Learning outcomes

4.3 Credits gained

4.4 Grading system

5.1 Access to further study

5.2 Access to profession

Ana Andromeda

Issuer

Digital micro-credential creation

Digital micro-credential creation

Learning Provider

Legal ID
0000

Research Alliance ID
Res1818

Show less

Learning Outcomes

Communication, collaboration and creativity

Related ESCO Skills
establish collaborative relations ,
communicate with target community ,
stimulate creativity in the team

Related Skills
manage findable accessible
interoperable and reusable data

Show less

Developing digital content

Reusability Level
cross-sector skills and competences

Related ESCO Skills
develop digital content

Related Skills
Developing digital content ,
Developing digital content Level 4

Show less

Achievement information

Volume of Learning
60 hours

EQF Level
Level 6

NQF Level
IE NQF Level 6

Credit points
European Credit
Transfer System 2

Learning Settings
non-formal learning

Mode of Learning
Blended

Thematic Area
Personal skills and development
Inter-disciplinary programmes and
qualifications involving
Information and Communication
Technologies (ICTs)

Language
English

Maximum Duration
1 month

Type
Short learning programme

Learning activities

EDC building training course

Assessed by

Digital artefact assessment

Other information

Alternative Name
Digital micro-credential creation

Entry Requirements
The learner needs to have an EDC Online Credential Builder account, that requires an EU Login ID.

Partial Qualification
No

Show less

Quality assurance of content – Accreditation check

[Credential summary](#) | [Export](#) | [Upload another credential](#) | [Share](#) | English

Ana Andromeda

Issuer

Qualification

Qualification

certifies that

Ana Andromeda

successfully completed a short course on how to build digital micro-credentials

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Authentication and Verification Check

- ✓ **FORMAT**
This credential is technically valid.
- ✓ **SEAL**
The credential is Sealed by TEST SEAL. This credential has not been tampered with since issue.
- **REVOCATION**
Function under development. Contact the awarding body for information about this credential's revocation status.
- ✓ **ACCREDITATION**
Awarding Body is accredited to Issue this Credential
- ✓ **VALIDITY**
The credential is still valid.
- 🏅 **VERIFIED**

Connection with
the DEQAR
accreditation
database

How are eSeals used?

**Micro-Credential**
Issuing date: 22/04/2024 Valid from: 01/01/2024 Type: Generic,Mandated Issue Credential id: urn:credential:f8034821-573e-4b57-a1c9-01de05dd0598

[Credential summary](#) [Export](#) [Upload another credential](#) [Share](#) English

 Ana Andromeda

 Issuer

 Digital micro-credential creation

Awarding bodies

Learning Provider

Signed by

ORGANIZACION TEST

Also known as
TEST SEAL

Legal address
Spain

Evidence statement
Every claim inside this credential is to be construed as having been made by the indicated awarding body, who maintains sole responsibility for said claim. By applying its electronic seal, the signing organisation certifies the correctness of origin of each claim, as having been made by the indicated awarding body.

Identifiers

EIDAS Identifier
VATES-A00000000

signConfirmationModal

These credentials will be sealed with the data contained within your qualified eSeal:

Issuer: ORGANIZACION TEST (VATES-A00000000) TEST SEAL
Place of Issue: ES
Date & time of issue: 2024-05-06T12:47:45+02:00

Cancel

Proceed

What is tamper-evidence?

**Micro-Credential**
Issuing date: 22/04/2024 **Valid from:** 01/01/2024 **Type:** Generic,Mandated Issue **Credential id:** urn:credential:f8034821-573e-4b57-a1c9-01de05dd0598

[Credential summary](#) [Export](#) [Upload another credential](#) [Share](#)

English 

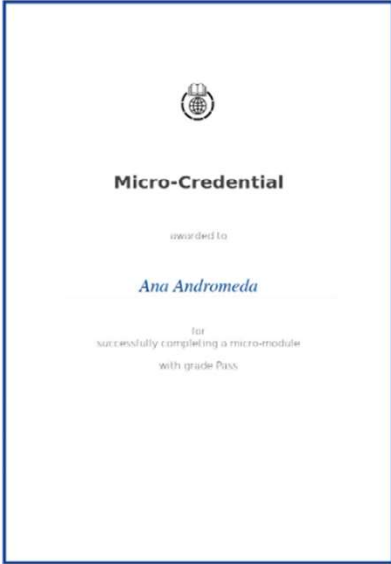
 Ana Andromeda

 Issuer

 Digital micro-credential creation 

 EDC building training course

 Digital artefact assessment



Micro-Credential

awarded to

Ana Andromeda

for successfully completing a micro-module with grade Pass

  1 / 1  

Authentication and Verification Check

 **FORMAT**
This credential is technically valid.

 **SEAL**
The credential is Sealed by TEST SEAL. This credential has not been tampered with since issue.

 **REVOCATION**
Function under development. Contact the awarding body for information about this credential's revocation status.

 **ACCREDITATION**
Accreditation does not apply to this Credential

 **VALIDITY**
The credential is still valid.

 **VERIFIED**



What is tamper evidence?

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[Credential summary](#) [Export](#) [Upload another credential](#) [Share](#)

English ▼

Ana Andromeda

Issuer

Digital micro-credential creation

EDC building training course

Digital artefact assessment

Digital artefact assessment

Digital artefact assessment

Awarded By

Learning Provider

Show less

Legal ID

0000

Research Alliance ID

Res1818

Grade

Pass

Assessment Information

Assessment Type

artefact assessment

Mode of Assessment

Online

Assessment reliability proven by

Unsupervised without ID Verification

Grading Scheme

Title

Generic grading



What is tamper evidence?

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[Credential summary](#) [Export](#) [Upload another credential](#) [Share](#)

English 

 Ana Andromeda

 Issuer

 Digital micro-credential creation 

 EDC building training course

 **Digital artefact assessment**

Digital artefact assessment

Awarded By
Learning Provider [Show less](#) 

Legal ID 0000	Research Alliance ID Res1818
Grade Pass	

 **Assessment Information**

 **Assessment Type**
artefact assessment

 **Mode of Assessment**
Online

 **Assessment reliability proven by**
Supervised with ID Verification

 **Grading Scheme**

Title
Generic grading



What is tamper evidence?

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[Credential summary](#) [Export](#) [Upload another credential](#) [Share](#)

English 

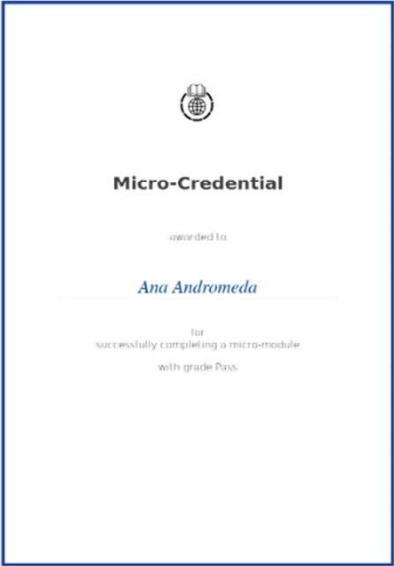
 Ana Andromeda

 Issuer

 Digital micro-credential creation 

 EDC building training course

 Digital artefact assessment



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Authentication and Verification Check

 **FORMAT**
This credential is technically valid.

 **SEAL**
The seal of the credential has been broken. This document may have been tampered with.

 **REVOCATION**
Function under development. Contact the awarding body for information about this credential's revocation status.

 **ACCREDITATION**
Accreditation does not apply to this Credential

 **VALIDITY**
The credential is still valid.

 **VERIFICATION FAILED**



Compliance with General Guidelines

6. Institutions should take appropriate action to minimise the possibility of forgery and misrepresentation of their supplements.
 - European Digital Credentials are **tamper-evident**, and are securely **sealed** by an eIDAS compliant electronic seal
8. The Supplement should be
 - **issued automatically** at the time the qualification is completed,
 - **free of charge** and
 - **in a widely spoken language**. Additionally, Supplements may be produced in the language(s) institutions think appropriate.
 - The EDC Infrastructure
 - allows the issuing of digital credentials **quickly and safely**,
 - is **freely** available as service and/or code
 - allows the creation of **multilingual** credentials on **29 languages**

Questions

1. What is your current process of DS production like?
 - Is the data entry fully automated, semi-automated or manual?
 - In what format (digital, paper) are you issuing your Diploma Supplements?
2. What are your design choices and expectations from a DS template?
 - Is your document structure flexible (as long as compliant with the guidelines)?
 - Are there any (procedural and/or format) restrictions?



Thank you!

Contact the EDC Team at
EMPL-ELM-SUPPORT@ec.europa.eu