





PROJECT DETAILS

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	CHAISE Consortium		
Partner	Participant organisation name	Short name	Country
Number			
1	Université Claude Bernard Lyon 1	UCBL	FR
2	International Association of Trusted Blockchain	INATBA	BE
	Applications		
3	Fujitsu Technology Solutions NV	FUJITSU	BE
4	Ministry of Education and Religious Affairs	YPEPTH	GR
5	ECQA GmbH	ECQA	AT
6	DIGITALEUROPE AISBL	DIGITALEUROPE	BE
7	IOTA STIFTUNG	IOTA	DE
8	Universitat Politècnica de Catalunya	UPC	ES
9	DUALE HOCHSCHULE BADEN - WURTTEMBERG	DHBW	DE
10	ASSOCIAZIONE CIMEA	CIMEA	IT
11	INTRASOFT International S.A.	INTRASOFT	LU
12	INSTITUTE OF THE REPUBLIC OF SLOVENIA FOR	CPI	SI
	VOCATIONAL EDUCATION AND TRAINING		
13	European DIGITAL SME Alliance	DIGITAL SME	BE
14	University of Tartu	UT	EE
15	UNIVERZA V LJUBLJANI	UL	SI
16	BerChain e.V.	BERCHAIN	DE
17	ITALIA4BLOCKCHAIN	ITALIA4BLOCKC	IT
		HAIN	
18	AUTORITATEA NAȚIONALĂ PENTRU CALIFICĂRI	ANC	RO
19	AKKREDITIERUNGS,CERTIFIZIERUNGS - UND	ACQUIN	DE
	QUALITATS- SICHERUNGS- INSTITUT EV		
20	EXELIA	EXELIA	GR
21	Industria Technology Ltd	INDUSTRIA	BG
22	Crypto4All	C4A	FR
23	Economic and Social Research Institute	ESRI	IE





Abbreviations

AF Application Form

BC Blockchain
D Deliverable

DAPP Decentralized Application

DG Directorate General

DLT Distributed Ledger Technology

EACEA Education, Audiovisual and Culture Executive Agency

EQF European Qualification Framework

EC European Commission

EU European Union

ICT Information and Communications Technology

KPI Key Performance Indicator

M Month

MOOC Massive Open Online Course
OER Open Educational Resources

PM Project Management

PMT Project Management Team

PT Points

QA Quality Assurance SC Steering Committee

SME Small and Medium-sized Enterprise

SSA Sector Skill Alliance

T Task

TL Task Leader

VET Vocational Education and Training

WP Work Package

WPL Work Package Leader







Validation Methodology CHAISE

Blockchain Job Profiles







Table of Content

ΑI	bbrev	viations	4
1	Int	troduction	4
	1.1	Scope of this Document	. 4
2	Co	ompetence Requirements	. 4
3	Ce	ertification Requirements	5
	3.1	Theory Badge	5
	3.2	Practical Badge	
	3.3	Complete ECQA Certificate	. 5
4	М	ultiple-Choice Exam	6
5	E۱	/aluation Criteria	6
6	Pr	octoring	7
7	O۱	verall Assessment and Examination Repetition	7
8	ls	sue and Validity of Badges and Certificates	7
9	Re	ecertification	7





List of Tables

Tabla 1. Educatia	anal modules for Blockchair	a iah profiles	





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1 Introduction

CHAISE is a Sector Skills Alliance financed by the Erasmus+ program. The Project's core mission is to develop a strategic approach on blockchain skills development for Europe, as well as to deliver future-proof training solutions, in order to tackle blockchain skill shortages and to respond to the current and future skill needs of the European Blockchain workforce.

1.1 Scope of this Document

This certification strategy specifies the procedure of how the competence of persons is certified by ECQA GmbH.

The certification organization ECQA GmbH is an Austrian company, which is 60% owned by the non-profit organization European Certification and Qualification Association (ECQA).

The object of certification is exclusively / solely the competence of natural persons.

The certification is largely based on the principles of the International Standard ISO/IEC 17024:2012-07 Conformity assessment - General requirements for bodies certifying persons.

2 Competence Requirements

The below table shows, which specific modules lead to the award of what job role. The three possible job role certifications are Blockchain Manager (M), Blockchain Architecht (A) and Blockchain Developer (D).

Table 1: Educational modules for Blockchain job profiles

	Transversal	Skills (M, A, D)		
		Blockchain Technology		
2. Regula	tion, Legal Aspects and	Governance of Blockchain Systems		
Technical Ba	asics (D, A, M)	Business Basics (M, A, D)		
3. Fundamentals of Blockchain and Distributed Ledger Technologies Technical Blockchain Specialisation (D, A)		Blockchain Business Management and Planning		
		Business Blockchain Specialisation (M)		
5. Blockchain Secur	ity and Digital Identity	7. Blockchain Platforms 8. Marketing and Customer Support		
6. Blockchain Sys	stem Architecture & s Protocols			
6. Blockchain Sys	stem Architecture & s Protocols BC Engineering &			







3 Certification Requirements

In order to obtain a certificate issued by ECQA GmbH, the learner needs to have been rewarded both a practical and a theoretical badge in at least one Module. The ECQA Certificate clearly indicates the outstanding and the obtained Modules.

The path to obtain the theoretical badge, practical badge and full certificate can be seen below. Upon rewarding, the badges will clearly state whether they are only theoretical or practical. It is possible for learners to acquire both badges individually or in combination.

It is necessary to ensure, that all material needed for a learner to pass the exam, can be found in the provided materials. This applies to both theory and practical paths.

3.1 Theory Badge

- The learner can only take the MOOC theory lectures and their respective Multiple-choice questions but no practical exercises. The learner will be awarded a **Theory Badge.**
- The learner can skip the MOOC theory and attend directly to the Multiple-choice questions. The learner will be awarded a **Theory Badge.**

3.2 Practical Badge

- The learners' previous experience will get validated by the validation committee, according to pre-established criteria. The learner will be awarded a **Practical Badge**.
- The learner can attend to the Practical Exercises (PE) at a later date and has previously been awarded the theoretical badge. The learner will be awarded the Practical Badge and can then go on to get the full certificate.

3.3 Complete ECQA Certificate

- Completion of each Module and a positive assessment of the respective practical tasks and MC Questions. The learner will be awarded with the Theory + Practical Badge which together equal the **ECQA certificate**.
- The learner has been awarded the Theory Badge by attending the MOOC+ MCQ but has been awarded the Practical Badge trough validation of previous work experience. The learner will be awarded the **ECQA certificate**.







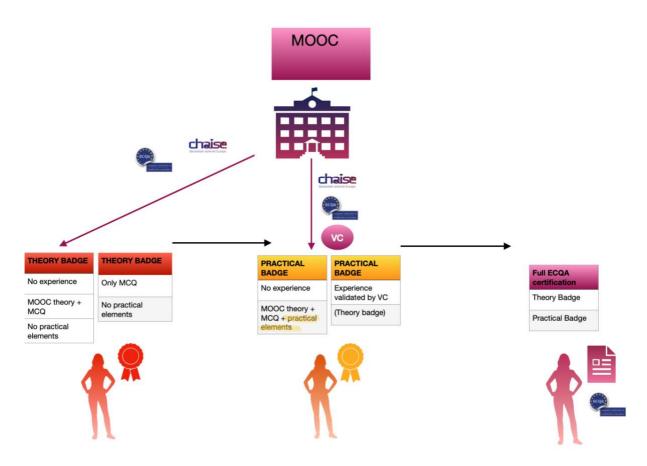


Figure 1: Certification Path

4 Multiple-Choice Exam

The multiple-choice examination is done in writing as a multiple-choice test online, on ECQA GmbH's examination portal Bizexaminer.

The MC exam is treated as an open book exam. All students are allowed to use their material and extra resources. However, collaboration between students is prohibited!

5 Evaluation Criteria

5.1.1 Multiple-Choice Exam

Each question is scored with a maximum of one point each. There are several answer options per







question. For each Module, according to section 2.2.1 to 2.2.6 at least 66% must be achieved, for each respective lecture.

In order for a question to be correct, all right answered need to be given. No half points are
possible.

Further, examining more than one module at once can also be facilitated.

6 Proctoring

During online Piloting

ECQA GmbH provides the exam link to students via e-mail and only those who are present at the identidy check will get the link to access the exam. An ECQA GmbH representative will be present during the exam.

7 Overall Assessment and Examination Repetition

In order to pass the multiple-choice examination, at least 66% in all elements (lectures) must be achieved.

Negatively assessed Modules can be repeated at a later date.

8 Issue and Validity of Badges and Certificates

The awarded theory and practical badge hold a validity of 2 years. Within this timeframe, the badges are valid to fulfill the requirements of acting as a prerequisite for the ECQA Certificate. If the Badges are not "used" in time for the award of the certificate, they loose their validity.

The successful evaluation and passing of the requirements for a theory and practical badge, are the prerequisite for the issuance of a full ECQA Certificate.

The awarded certificate is valid for 2 years.

9 Recertification

The certification renewal citeria will be decided and published by the CHAISE consortium on a regular basi, since they need to be adapted to the evolution of competence requiremements in the Blockchain field.

