

Learning outcomes. Level descriptors. **Concepts**, application, development.

Learning outcomes – the GPS in qualifications systems?

CINTERFOR TRAINING PROGRAMME 19/10/2022 Authors: Eduarda Castel-Branco and Coleen Jaftha



HE AFRICA-EU PARTNERSHI LE PARTENARIAT AFRIQUE-UI









Themes Sources and references

ACQF Introduction

This presentation addresses two essential building blocks of qualifications frameworks:

- ✓ Learning Outcomes
- ✓ Level descriptors

To learn more:

- ✓ ACQF Training Modules 1 and 2
- At: <u>https://acqf.africa/capacity-development-programme/training-modules/training-modules-</u> <u>1-to-10-english</u>
- ✓ ACQF Thematic Brief 10

At: https://acqf.africa/capacity-development-programme/thematic-briefs/acqf-thematic-brief-10-acqf-level-descriptors-the-story-of-the-development-journey

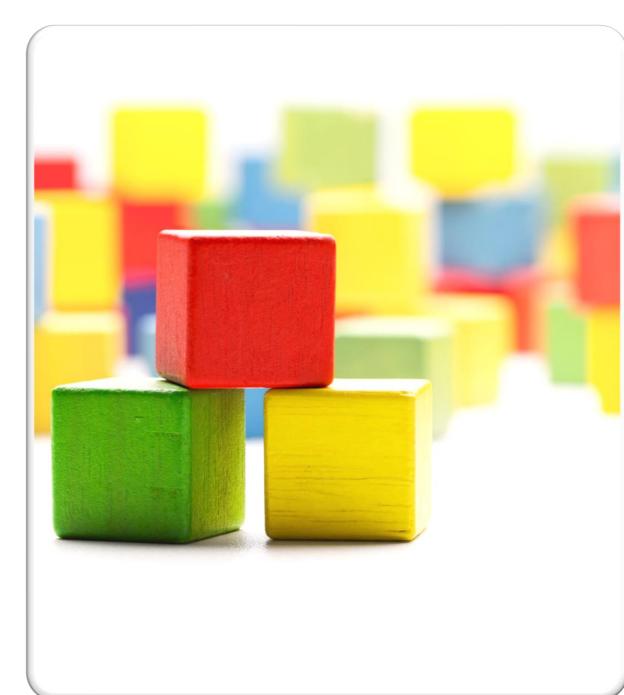
✓ Orientation Note on RQF

At: <u>https://acqf.africa/resources/library/publications-from-international-sources/etf-orientation-note-on-regional-qualifications-frameworks-2021</u>

Cedefop

Cedefop: Handbook on Learning outcomes (second edition, 2021): https://www.cedefop.europa.eu/en/publications/4209

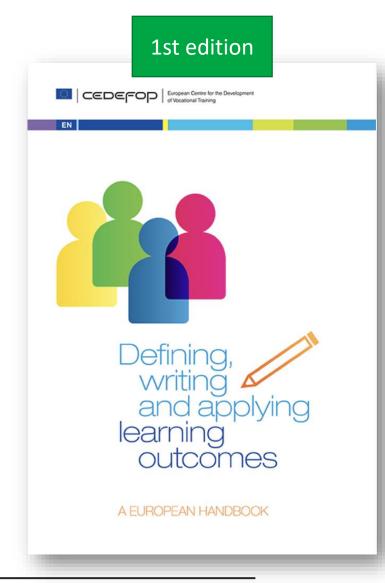
Cedefop: Handbook on Learning outcomes (first edition, 2017): https://www.cedefop.europa.eu/en/publications/4156

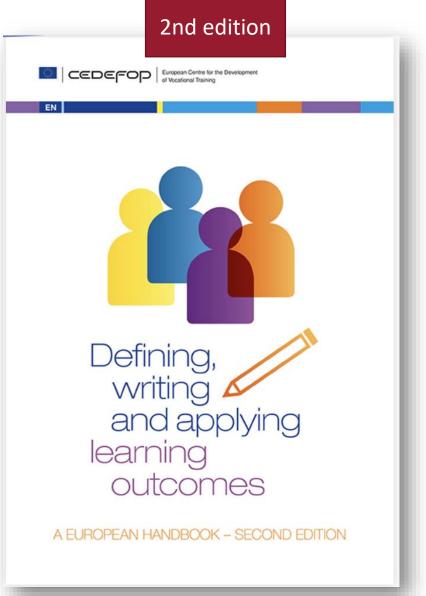


ACQF Sources, references on NQFs

- Cedefop: Online tool on NQF in Europe: <u>https://www.cedefop.europa.eu/en/tools/nqfs-online-tool</u>
- Cedefop: Handbook on Learning outcomes (second edition, 2021): <u>https://www.cedefop.europa.eu/en/publications/4209</u>
- Cedefop: Handbook on Learning outcomes (first edition, 2017): <u>https://www.cedefop.europa.eu/en/publications/4156</u>
- EQF and Europass: <u>https://europa.eu/europass/en/european-qualifications-framework-eqf</u>
- Global Inventory NQF-RQF (every 2 years) ETF, Cedefop, Unesco
- ACQF website: library <u>https://acqf.africa/resources/library/publications-from-international-sources</u>
- ACQF Training Modules: <u>https://acqf.africa/capacity-development-programme/training-modules</u>
- ACQF Thematic briefs: <u>https://acqf.africa/capacity-development-programme/thematic-briefs</u>
- ACQF Mapping study: <u>https://acqf.africa/resources/mapping-study</u>

ACQF European Handbooks on Learning outcomes (Cedefop)







Defining, understanding key concepts

- Qualifications Frameworks
- Learning outcomes
- Level descriptors



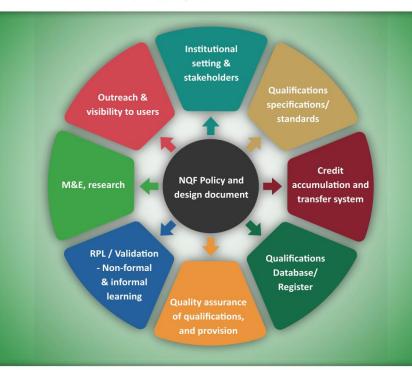
A national qualifications framework (NQF) is 'A policy and instrument for the development and classification of qualifications according to a set of criteria for specified levels of learning achieved, which aims at integrating and coordinating national qualifications subsystems and improve the transparency, access, progression and quality of qualifications in relation to the labour market and civil society. *Source: EQF Recommendation*

A national qualification system includes all aspects of a country's activity that result in the recognition of learning. These include the means to develop and operationalise national or regional policy on qualifications, institutional arrangements, quality assurance processes, evaluation and attribution processes, skills recognition and other mechanisms linking education and training to the labour market and civil society. Qualifications systems can be more or less integrated and coherent. One of the characteristics of a qualification system may be an explicit qualifications framework.

Source: OECD, Bridges to Lifelong Learning, 2007

African Continental Qualifications Framework

A qualification: means a formal outcome of an assessment and validation process which is obtained when a competent authority determines that an individual has achieved learning outcomes to given standards. Source: EQF Recommendation.



Level descriptor: A statement describing learning achievement at a particular level of a Qualifications Framework that provides a broad indication of the types of learning outcomes and assessment criteria that are appropriate to a qualification at that level. Source: SAQA, NQFPedia Learning outcomes: Statements of what a learner knows, understands and is able to do on completion of a learning process, which are defined in terms of knowledge, skills and competence.

Set of knowledge, skills and/or competences an individual has acquired and/or is able to demonstrate after completion of a learning process, either formal, non-formal and informal.

Source: Cedefop

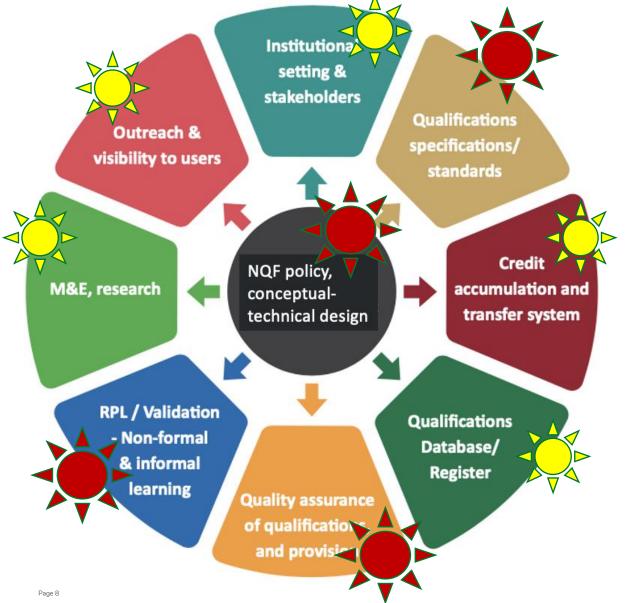
structure of levels of learning outcomes that is agreed by countries in a geographical region. A means of enabling one national framework of qualifications **to relate** to another and, subsequently, for a qualification in one country to be compared to a qualification from another country.

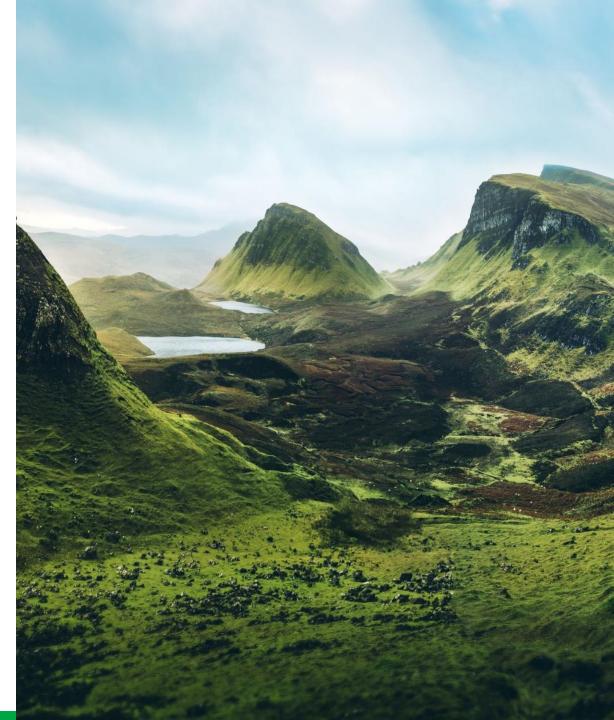
A regional qualifications framework (RQF) is a broad

Source: ASEAN

QRF: ASEAN Qualifications Reference Framework, A Practical Guide and All you Need to Know.

ACQF The systemic view of NQF Place of Learning Outcomes





National qualifications frameworks



https://youtu.be/qK15HlhDbo4

National qualifications frameworks (NQFs) help

- To make qualifications easier to understand and compare.
- They can also encourage countries to rethink and reform national policy and practice on education, training and lifelong learning.

Learning outcomes: a fundamental principle

- NQFs classify qualifications by level, based on learning outcomes - that is, what the holder of a certificate or diploma is expected to know, understand, and be able to do.
- This classification reflects the content and profile of qualifications.
- The learning outcomes approach also ensures that education and training subsystems are open to one another.
- Thus, it allows people to move more easily between education and training institutions and sectors.
- Learning outcomes-based qualifications: essential for RPL

ACQF What is a qualification?

Means a formal outcome of an assessment and validation process which is obtained when a competent authority determines that an individual has achieved learning outcomes to given standards. Source: EQF 2017

Therefore, a qualification is a specification of learning outcomes that is approved by an authority (accrediting body) as meeting the requirements of the NQF.

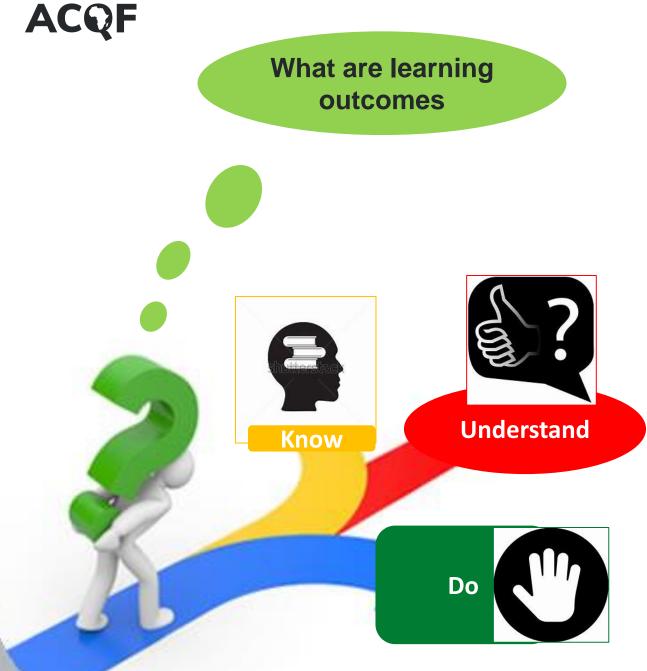


	Qualificação de Nível 5 em Mêcanica de Maquinagem	
Códige	Midula	Crédit
MENGHN011	Dieromeretat compariton para irentalag/en die magninan	
MR NEIMINGT	Eventiar desettion e modelos tridemensionais atregias por meto do companalas	
ME NG0450031	Controllar a qualidade de poços usando elementos de meteorologia	
ME NGB450041	Planeser e organizar os trabalhos de reaminingão de organgementos industriais	
ME NGMINON	Oriornar ou trabattion de manatorição e instalação de espelpamentas industriais	2
ME NGHENOM	Utilizar tomos e fresadoras para actividados complexas de manutenção e reparação de maquinas o spoipamentos	
MENGHStern	Uniteer settifications, planas e mandriladous para actividades do manutor, lo e separação de máguinas e spriparatemas	
ME NGRANIES	Tomose proper streption utilizando dessaltante construction por computador (CNC)	
ME NGM50093	Fresar peges simplem utilizando tresadinzo com comandio sucretrico por computador (CNC)	
ME NGHMUDI	Maquitar peças complexas utilizando máquinas CNC e CADICAM	
MENGHISTI	Repervisioner of closes, excession by marrier or procession day predication	
MENGOWN121	Rescuter o projecto bringrativo	
ME:NG0450131	Adquitit especificia de trabalho en empresas industras	30
MO HOURSON	Usar o reglits para propriation invitati, pressano e profilazionato	2
MO 140025002	Convertion informação relacionada com o tudadas	
MO HC028065	Ler e responder a materiais escritos	2
MO HC025004	Producid motentials excetton	2
MO BORRER	Interpretar o espaço linecom 3-D	
MO 190045001	Participar num debate come stador principal e sonos ameromante	
MO IRCD4502	Interpretar informação constita sos textos de carácter informativo e explicativos producio textos explicativos e informativos	

ACQF Between the world of work and the world of education and training



Learning outcomes



What a learner is expected to √ know, √ be able to do √ and understand at the end of a learning process

The move towards a learning outcomes approach presents a shift from the question:

"What did the graduate do / study to get this qualification?"

to the question:

• "What can the graduate do now that s/he has this qualification?"

Learning outcomes: 2 definitions – common meaning

Α.

Statements of what a learner <u>knows</u>, <u>understands and is able to do</u> on completion of a learning process, which are defined in terms of knowledge, skills and competence.

Set of knowledge, skills and/or competences an individual has acquired and/or is able to demonstrate after completion of a learning process, **either formal, non-formal and informal**.

Source: Cedefop. Terminology.

https://www.cedefop.europa.eu/files/4117_en.pdf

B.

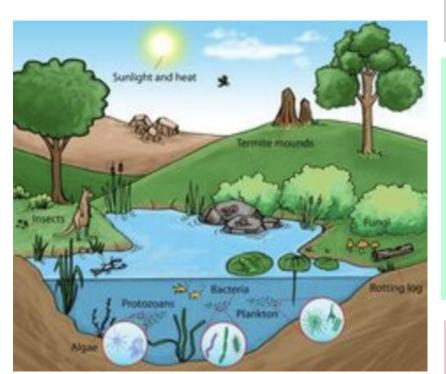
Results of what a learner <u>knows</u>, <u>understands and is able to do</u> upon completion of a learning process.

Source: Addis Convention (UNESCO)

Revised Convention on the Recognition of Studies, Certificates, Diplomas, Degrees and Other Academic Qualifications on Higher Education in African States (Addis Convention), adopted on 12 December 2014 in Addis Ababa

https://en.unesco.org/news/unescos-addis-conventionhigher-education-enter-force

Learning outcomes – eco-system



1. Structure

- As building blocks of qualifications policy
- As common currency that enhances transparency

2. Guide for coherence

- Classification of qualifications in the NQF/ NQS
- Learning outcomes statements
- Teaching and learning (curriculum, modules)
- Assessment
- Certification

3. Quality assurance

- Continuous improvement
- Expected outcome
- Achieved outcome
- Feedback loop

Learning outcomes: GPS of the qualifications system



ACQF

Learning outcomes encourage a more systematic approach to qualifications design - and comparison

- Common language for describing and comparing qualifications
- ✓ Provides understanding of what will be learned and how best to achieve it. Set expectations, guide teaching and learning, essential for assessment.
- ✓ Enable learner-centred approach: Enable learners to be clearer about learning expectations, encourage learners to take initiative and responsibility for own learning
- Promote personal achievement, mobility and recognition. Achievement (through formal, non-formal and informal pathways) of assessed learning outcomes signals that an individual has achieved certain learning outcomes, and usually culminate in a qualification award
- ✓ **Supports credit systems** to create flexible ways for individuals to gain access to qualifications
- Allow stakeholders to have a better understanding of what to expect from a qualification holder
- ✓ Allow evaluation/ comparison of the qualification for work or study purposes (local and international)

Relationship (loop) between expected and achieved learning outcomes

Desired target

Expected learning outcomes

 statement of what an individual is <u>expected</u> to know, be able to do and understand after completing a learning process

Achieved learning outcomes

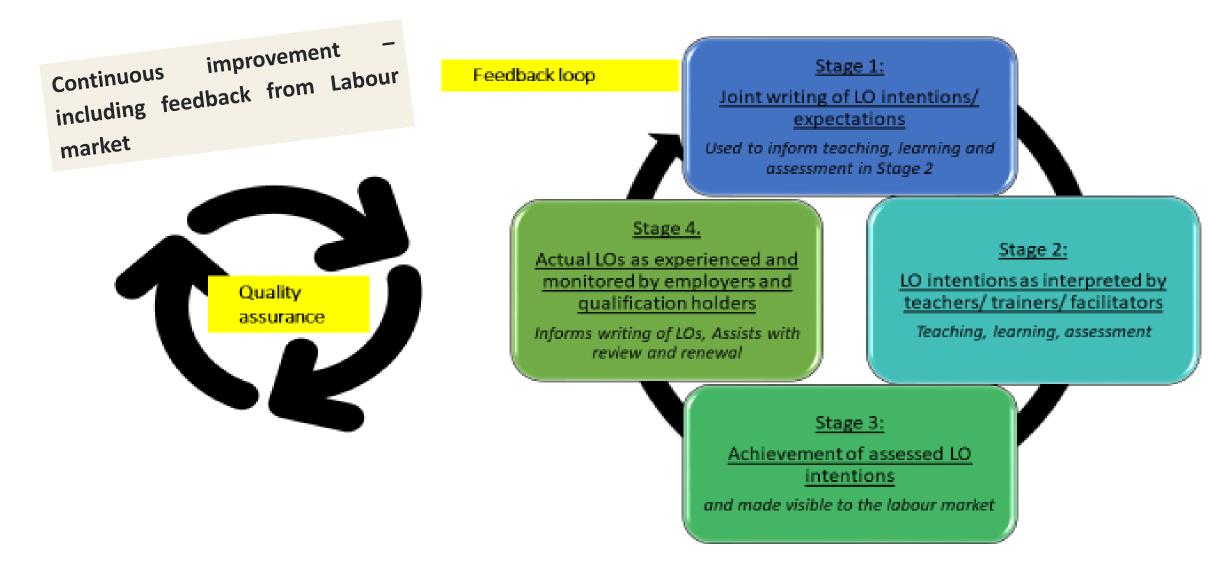
 Set of knowledge, skills and/or competences an individual has <u>acquired</u> and/or is able to demonstrate after completion of a learning process



Obtained following learning

Relationship (loop) between expected and achieved learning outcomes *Adapted from Cedefop, 2017, p.29*

Continuous improvement



Level descriptors



Definition: level descriptors

Level descriptor

A statement describing learning achievement at a particular level of a Qualifications Framework that provides a broad indication of the types of learning outcomes and assessment criteria that are appropriate to a qualification at that level.

Level descriptors of NQFs and RQFs: Similarities

NQF

- Are at the heart of development of qualifications frameworks
- Are formulated as general learning outcomes statements and signal transparency
- Are suited to a particular purpose
- Are an agreed central reference point and multi-stakeholder platform for dialogue
- Based on logic along vertical and horizontal dimensions



RQF

- Based on learning outcomes
- Level descriptors are described as a hierarchy of levels of learning complexity, based on learning outcomes
- Support NQF development and promote learning outcomes based approaches in the regional block

Level descriptors of NQFs and RQF: Differences

NQF level descriptors

More detailed and complex

- $\checkmark\,$ capture the complexities of the national system
- describe the complexity of learning in qualifications/ qualification types and are often linked to features of existing qualifications.
- ✓ as a benchmark for levels of learning achievement recognised at national level they orient the allocation of a national qualification to an NQF level.
- ✓ The positioning of two or more qualifications on the same NQF level indicates that the qualifications are broadly comparable in terms of generic complexity at that level of the NQF, regardless of where or how the qualification was obtained.

RQF level descriptors

RQF level descriptors serve purposes complementary to those of NQF's:

- ✓ a basis for referencing levels of NQFs or systems to the RQF
- orientation for countries/ regions in developing qualifications frameworks or systems
- ✓ orientation towards common minimum benchmarks for outcomes of learning on the regional block
- level descriptors signify the levels of learning complexity at regional level
- do not capture the same complexities that are evident in national level descriptors



Applications

Learning outcomes in different contexts

- As reform tool
- In the NQF /RQF level descriptors
- In the standards of qualifications
- In training standards / programmes
- In assessment criteria
- In RPL / VNFIL processes and standards
- In qualifications documents, credentials: diplomas, certificates, diploma supplements, micro-credentials
- In databases / registers of qualifications

In each context the learning outcomes formulations are more or less detailed, specific, comprehensive.

Personal, work and education and training

Education and training

- Reforms of education and training
- Level descriptors of QF Ο
- Qualification descriptors, qualification standards Ο
- Diplomas, certificates and related supplements Ο
- Classification of qualifications in the NQF Ο
- Registers, catalogues of qualifications Ο
- Comparison of qualifications between countries Ο (supporting recognition, portability, convergence)
- Quality assurance of education and training Ο
- Coherence between curricula, modules, subjects, Ο assessment, certification
- Credit accumulation and transfer (CAT) Ο
- Recognition of prior learning (RPL) Ο
- Evaluation of foreign qualifications Ο
- Career guidance

Work

- Your views: Any other uses? (chat box) • Skills/ competencies in occupational/ professional standards
- Recruitment, job vacancies Ο
- Matching job seekers' CV job vacancies Ο

4

- Job descriptions Ο
- Performance appraisals Ο
- In classifications / taxonomies of Ο occupations and skills (ISCO, ESCO, O*Net)

Personal

- Description of experience 0
- CVs Ο
- RPL portfolios 0

Learning outcomes as a reform tool (example from Europe)



Page 26

Adapted from Jens Bjornavold, ACQF peer learning webinar, 23 September 2021

Learning outcomes in CBT – APC reforms Africa

- Competence-based training
- Approche par compétences
 TVET

- Cape Verde
- Cameroon
- Egypt
- Ethiopia
- Kenya
- Morocco
- Mozambique
- Senegal
- And others

ACQF Some principles for writing learning outcomes statements (1)

Learning outcomes statements are verb-driven, learner-centred actions

- > start with an action verb, e.g. "organise"
- > followed by the object of that verb, e.g. "administrative processes"
- > followed by a phrase that provides the context, e.g. "for presentation to public entities"

Example: "Organise administrative processes for presentation to public entities"

Tip: Work backwards from what the learner is required to achieve

 ✓ For every verb-driven learning outcome statement, teaching/ learning activities and different examples of assessments should flow logically from the verb of the statement

 Complicated, double-barrelled sentences should rather be split into more than one sentence to ensure clarity

- Learning outcomes' descriptions must be fit for purpose / suit the context (e.g.: level descriptors, qualifications standards, curricula, assessment...)
- \checkmark Learning outcomes must be achievable within the time and the resources available

Subject benchmark statements

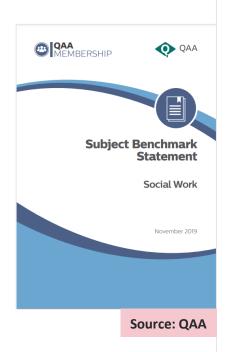
https://www.qaa.ac.uk/docs/qaa/subject-benchmark-statements/subject-benchmark-statement-socialwork.pdf?%20sfvrsn=5c35c881 6#:~:text=This%20is%20the%20Subject%20Benchmark,the%20nature%20of%20the%20subject.

Learning outcome statements make explicit the nature of study and general subject-specific academic features and standards expected of graduates in specific subject areas, and what they are expected to know at the end of their studies.

They are written by subject specialists and function as subject-specific external reference points for designing, delivering and reviewing academic programmes.

They provide guidance but are not intended to prescribe approaches or curriculum.

Used extensively in QAA



Introduction

1

1.1 This Subject Benchmark Statement covers social work as an academic subject applied through professional practice. It sets out expectations concerning:

- the subject knowledge, understanding and skills of a qualifying graduate in social work
- the teaching, learning and assessment methods employed in their education.

1.2 The minimum academic standards required at the point of qualification. The scope of this Statement is higher education courses that constitute a qualifying degree in social work. This Subject Benchmark Statement fully acknowledges recent changes within the context of social work and its regulation across the UK. These changes include:

- the establishment of care councils as regulatory bodies in England, Scotland, Wales and Northern Ireland
- articulation of new rules and requirements governing social work education across the UK
- formal registration of social workers
- development of national occupational and capability standards for social work across the UK
- development of care standards, proficiency standards, codes of conduct and codes of practice.

1.3 While developments in policy and practice have led, in some countries, to a greater degree of specialisation, this Statement reflects the generic knowledge and skills required for the award of a social work degree as the preparatory qualification for practice across settings and 'client' groups. It recognises that the degree of specialisation offered within social work courses varies and evolves to reflect organisational and workforce requirements which develop in response to service user need.

1.4 This Subject Benchmark Statement reflects the complexity and rapidly changing nature of this context by including specific reference to the legislative, professional and institutional arrangements in England, Scotland, Wales and Northern Ireland. It also acknowledges the European and international context of social work and the desirability of mutual recognition of social work qualifications across the UK and more widely.

Tuning and Degree profiles

http://tuningacademy.org/wp-content/uploads/2014/02/A-Guide-to-Formulating-DPP_EN.pdf

The Tuning Africa project (Africa-EU, 2016) developed Degree programme profiles, with identified learning outcomes and blocks of competences that need to be achieved in order to obtain the Degree.



Profile Chapter 1 - The Degree Profile in the context of the Bologna Process 1 The Bologna paradigm 1 The Degree Profile 2 Programme Competences and Programme Learning Outcomes 2 European, national and subject area reference frameworks 2 Conclusion 2 Chapter 2 - Degree Profile Template & Instructions 2 How to use the Template 2 Chapter 3 - Glossary 5 Annex 1 - Designing a Study Programme 5 Annex 2 - List of Generic Competences 6 History 6 Nursing 7	1000			
A Guide to present type://www.initiation 1 Introduction 1 Chapter 1 - The Degree Profile in the context of the Bologna Process 1 The Bologna paradigm 1 The Degree Profile 2 Programme Competences and Programme Learning Outcomes 2 European, national and subject area reference frameworks 2 Conclusion 2 Chapter 2 - Degree Profile Template & Instructions 2 How to use the Template 2 How to use the Template 2 Annex 1 - Designing a Study Programme 5 Annex 3 - Examples Degree Profiles History, Nursing, Physics 6 History 6 Nursing 7	Educatio Structur	res	Table of Contents	
Conclusion 2 Chapter 2 - Degree Profile Template & Instructions 2 The Template 2 How to use the Template 2 Chapter 3 - Glossary 5 Annex 1 - Designing a Study Programme 5 Annex 2 - List of Generic Competences 6 History 6 Nursing 7	Formula Degree	iting	Introduction Chapter 1 - The Degree Profile in the context of the Bologna Process The Bologna paradigm The Degree Profile Programme Competences and Programme Learning Outcomes	1 1 1 2 2
How to use the Template2Chapter 3 - Glossary5Annex 1 - Designing a Study Programme5Annex 2 - List of Generic Competences6Annex 3 - Examples Degree Profiles History, Nursing, Physics6History6Nursing7	T		Conclusion	2
			How to use the Template Chapter 3 - Glossary Annex 1- Designing a Study Programme Annex 2- List of Generic Competences Annex 3- Examples Degree Profiles History, Nursing, Physics History	2 2 5 6 6 6
				7 8

Please note that the Degree Profile should:

- be readable in five minutes;
- not be longer than two pages;
- provide a coherent impression of the specific degree; and
- be succinct and to the point, yet provide detailed information and references where necessary.

29

Title field of the Degree Profile

The title field contains basic information about the Degree.

DEGREE PROFILE OF

Please provide (in bold): The **full name of the qualification as written in the original language**. When this is not English, please provide an official **English translation** as mentioned in the Diploma Supplement in *italic*s.

Please provide the official name of the programme offered by the institution, in the original language. Please provide also an official translation in English (if applicable) in italies.

Type of degree & Length	Please identify the type of degree, e.g. whether the degree is the result of a programme offered by a single institution or whether the degree is the result of a joint programme (joint degree or double / multiple degree). Please indicate between brackets the length of the degree programme in ECTS-credits, and/or - if applicable - national/institutional credits and/or years of study. Please give the official name of the awarding institution(s), and the country where it is based (If the name is not in Latin Alphabet, please provide a transit- eration or transcription. In addition, please provide also an official translation in English (if applicable) in italics		
Institution(s)			
Accreditation Organisation(s)	Please identify the accreditation organisation(s) that pro- vides the accreditation of the degree programme or the degree awarding institution, and the country in which the accreditation organisation operates.		
Period of reference	Please identify the year(s) for which the curriculum is validated/approved.		
Cycle/Level	Please indicate the cycle/level of the qualification in rela- tion to the National Qualifications Framework (where available), the EQF for LLL and the QF for EHEA.		



Short, learning outcomes-based descriptions of qualifications – some ideas (EQF project)

Purpose and benefits

- The reader of a short description (learners, employers, teachers, parents etc.) should be able to grasp the content and level of learning required to attain the qualification, allowing them to judge its relevance for further learning and/or employment.
- At national level, short descriptions can be used for information and communication purposes, notably supporting qualifications frameworks and forming part of qualifications databases and registers.
- At European and international level, for example through Europass and the EQF, these short descriptions facilitate transparency and comparability of qualifications.

Main building blocks

Based on an extensive exchange and analysis of examples from different countries the following elements have to be considered when developing and writing short descriptions:

- 1. Length of the description
- 2. Syntax of the description
- 3. Overall objective and orientation of the qualification
- 4. Context in which the qualification operates
- 5. Breadth of learning required
- 6. Depth of learning required

ACQF How to use the building blocks

Length, syntax and objective

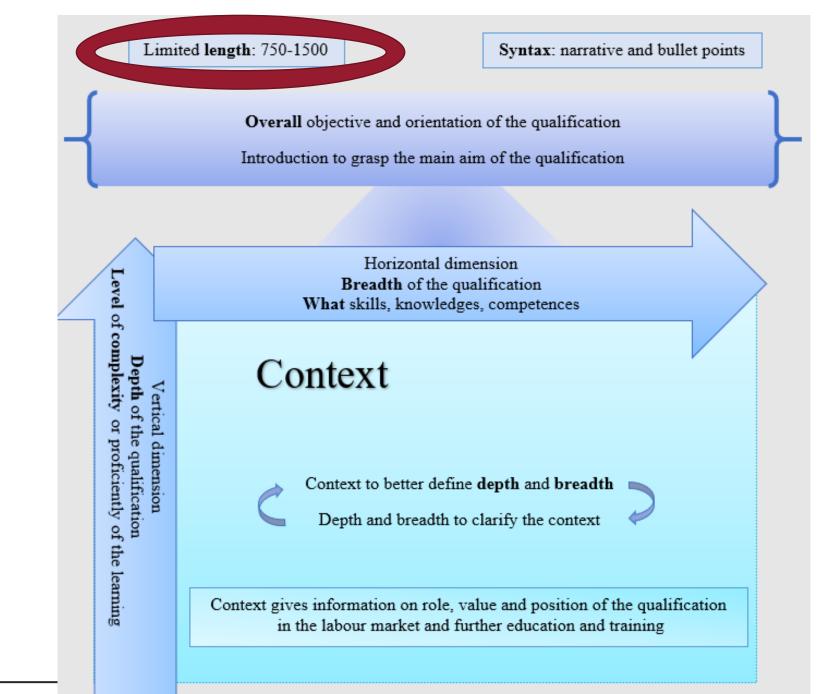
These elements play different roles.

- While guidance on length and syntax (elements 1 and 2) are important to ensure ease of use and comparability, they cannot stand alone.
- A clear presentation of the overall objective (element 3) should act as concise introduction helping the reader to grasp the main aim of the qualification.

Context, breadth and depth

- The presentation of context, depth and breadth (elements 4, 5 and 6) should help the reader to further understand the orientation and content of the qualification, including the complexity and level of learning involved.
- While treated separately by the guidelines, these three elements interact and support each other in the final description. These elements should therefore not be applied in a rigid way but in the end seen as a totality.
- Breadth = horizontal dimension
- Depth = vertical dimension





Length

- 750 to 1500 characters (without space).
 - This <u>indicative</u> length provides sufficient space for capturing the essence of the qualification and it allows readers to quickly grasp its essential features.
- The following questions can guide this **process of shortening of a full description**:
 - > Agree on what to emphasize and prioritize in the short description;
 - Focus on the core content of the qualification;
 - Pay attention to overlaps and redundancies in the text of the full description and merge/reorganise accordingly;

Basic structure of learning outcomes statements

Subject	Action verb	Object of the verb	Context				
	(and adverb if relevant)	(and adjective if relevant)	(and adverb/adjective if relevant)				
The learner	is expected to present	in writing the results of the risk analysis	allowing others to follow the process and replicate the results.				
The learner	is expected to distinguish between	the environmental effects	of cooling gases used in refrigeration systems.				
The learner	is expected to coordinate	activities of the executive staff	on construction sites with <i>limited</i> complexity				
The learner	is expected to conduct	<i>advanced</i> financial projections	by using business planning tools and to support financial and business planning				
Source: project group and Cedefop (2022). <i>Defining, writing and applying learning outcomes: a European handbook -</i> <u>second edition. Luxembourg: Publications Office of the European Union.</u>							

ACQF Overall orientation and objective of qualification

This statement should make it possible for the reader to grasp the core of the qualifications and ease further reading. The NQF/EQF level of the qualification should be included when applicable. Possible questions:

- What can the qualification be used for, in the labour market, education and training system and/or in society in general?
- Which core learning outcomes are expected from a holder of the qualification?
- What is expected from the holder of the qualification in terms of autonomy and responsibility?

(...)

This introductory statement on the overall orientation and objective of the qualification will be further detailed through the elaboration of context as well as depth and breadth of the qualification.



Issues and solutions

Issues

"Avoid dumbing down": Too detailed and prescriptive statements can undermine and lead to a 'dumbing down' of the learning and assessment process

Be aware of contradictions and tension especially between schools of thought:

Behaviouristic tradition:

- Emphasise learning outcomes as measurable, result oriented, full-ended to prescribe and control learning
- Clearly observable and measurable

Constructivist approach

- emphasise learning outcomes to be process-oriented, open-ended to enable learning
- Limited measurability

Ways to address them

Learning outcomes, written as threshold statements, do not prevent learners to go beyond these thresholds/ minimum expectations

Learning outcomes need to defined and written in a way which allows for local adaptation and interpretation by teachers and learners

Learning outcomes should assist teachers in identifying and combining teaching methods. Learning outcomes orient a learning process, they should not restrict it

Finding the balance between prescriptive and descriptive learning outcomes is essential

Ensure learning outcomes are fit for purpose

Easing the application of level descriptors

Application of learning outcomes-based level descriptors can be challenging.

Understanding the role, concepts, vertical and horizontal logic of NQF level descriptors is fundamental, and should be a theme in every teacher training programme, in the curricula of pedagogical institutes and in relevant capacity development programmes promoted by ministries, NQF institutions, and curriculum development projects. Level descriptors are a fundamental link between the NQF and the eco-system of learning, teaching, and certification.

To ease use and application, level descriptors should:

- Be detailed enough to capture the complexities of an NQF/ RQF
- Be general enough to accommodate different parts of the qualifications systems
- Be suitable for all contexts (not too academic, theoretical, and wordy)
- Explain the logic of the domains, sub-domains, and levels preferably with an accompanying glossary
- Be consistently applied in countries
- Be made visible and accessible to users through training, capacity building, workshops, and information sessions
- Capture the balance between being prescriptive and being descriptive

Examples from concrete qualifications

Qualifications from official online registers of qualifications Countries: Botswana, Cape Verde, Mozambique, South Africa

In qualifications and in qualifications databases / registers

Examples:

- Botswana
- Cape Verde
- Mozambique
- South Africa

Online Registers of National Qualifications

- Botswana: BQA: <u>Register of registered qualifications</u>
- Cape Verde: <u>UC-SNQ National Catalogue of</u> <u>Qualifications</u>
- Mozambique: <u>ANEP National Catalogue of</u> <u>Professional Qualifications</u>
- South Africa: <u>SAQA: Registration of Qualifications</u> <u>and Part-Qualifications (4 searchable databases)</u>





Level descriptors: example

- Linked to an NQF level
- What is expected of graduates / holders of a qualification at that level

Example: Cape Verde NQF, level 5

Domain: Responsibility and autonomy

- Manage and supervise in contexts of study and work susceptible to unpredictable change
- Revise and develop performance of self and others, both in quantitative and qualitative terms
- Work independently when decisions or initiatives at intermediate level are required
- Be able to organise the work for self and the team, according to the objectives and goals of the organisation and support others to effectively manage time

ACOF In practice: defining and writing learning outcomes – case: Cape Verde NQF (Accounting management, L5)

Source. cape verue lever	descriptors and National Qualifications Catalogue	Table 16.	Principle	•••	the presentation of	learning
Level descriptors in <u>Cape Verde NQF, level 5</u>	. Qualification level 5: AGE001_5: Accounting management.		outcome	20		
ACQF Inventory	Qualification registered in the National Qualifications Catalogue: <u>Cape Verde, NQF Level 5 AGE001_5</u>	written con	sidering the f	following element		
and theoretical knowledge within a field of study c	Units of competence:	to know, be able to do ar understand.	verbs to of learni normally or implic r the level / qualifica ted and/or th	Huse action signal the level ng expected, v with an (explicit cit) reference to s of the national tions framework he EQF.	It should indicate the object an scope of the expected learning outcomes. This description sho capture the main orientation of the qualification and the depth/breadth of the expected accomplishment. It can, if deel appropriate, use domains as defined by NQFs/EQF.	the occupational and/or social context in which the qualification operates.
practical skills required to develop creativ solutions to abstract problems in routine situation and new contexts and activities. Capacity to selec and apply equipment and methods, explain th alternatives, and ensure the technical support t solve more specific problems in known routines.	 Carry out management and control Carry out treasury management and control Organise administrative processes for presentation to public entities 		17 illustrat		ructure could be used g learning outcomes	
				The yearb	The object and econe	
Responsibility and autonomy: Manage an	Each "Unit of competency" is defined through a range of four to	The le	arner	The verb	The object and scope	The context
upervise in contexts of study and work susceptibl	seven more granular "Elements of competency", which in turn are			has insight into	 the organisation of health care 	The context at regional, national and international level
upervise in contexts of study and work susceptibl o unpredictable change. Revise and develo performance of self and others, both i	seven more granular "Elements of competency", which in turn are specified in greater detail by "Assessment criteria". This approach to describing the learning outcomer of the qualification cascades	The le A master of o therapy scier	occupational nce	has insight into	 the organisation of health care these insights in the field 	at regional, national and international level from the perspective
supervise in contexts of study and work susceptibl o unpredictable change. Revise and develo performance of self and others, both i quantitative and qualitative terms. Wor	seven more granular "Elements of competency", which in turn are specified in greater detail by "Assessment criteria". This approach to describing the learning outcomer of the qualification cascades from the broad definition of the qualification to the granular	A master of d	occupational nce	has insight into	 the organisation of health care these insights in the field on policy for 	at regional, national and international level from the perspective of the principles of management and qual
Responsibility and autonomy: Manage an supervise in contexts of study and work susceptibl to unpredictable change. Revise and develo performance of self and others, both i quantitative and qualitative terms. Wor independently when decisions or initiatives a intermediate level are required. Be able to organis the work for self and the team, according to th	 seven more granular "Elements of competency", which in turn are specified in greater detail by "Assessment criteria". This approach to describing the learning outcomer of the qualification cascades from the broad definition of the qualification to the granular outcomes applied as criteria in the context of assessment. A similar approach is applied in the context of the Competency- 	A master of d	occupational nce	has insight into	 the organisation of health care these insights in the field 	at regional, national and international level from the perspective

Source: Cedefop.

ACQF Ex.: Cape Verde, Accounting Management, L5

Qualificação **AGE001_5** GESTÃO CONTABILÍSTICA

PERFIL PROFISSIONAL						
Código	AGE001_5	Den	ominação	GESTÃO CONTABILÍSTICA		
Nível	5	Fam	ília Profissional	Administração e Gestão		
••••••	COMPETÊNCIA GERAL Realizar a gestão contabilística, fiscal, financeira e o controlo da tesourar nas organizações e preparar processos administrativos para apresentação à instituições públicas, manuseando aplicativos informativos específicos e o gestão de informação.					
		N.º		Denominação	Código	
		1	Realizar a gestã	UC195_5		
		2	Realizar a gestã	UC196_5		
	ADES DE ETÊNCIA	3	Realizar a gestã	UC197_5		
		4	Organizar proce às instituições p	UC198_4		
		5	Manusear aplica	UC199_3		
			to profissional:			
		lÉ um	nrofissional que	executa o seu trabalho nor conta própria	ou nor conta	



http://snq.cv/wp-content/uploads/2019/07/AGE001_5-Gestão-Contabil%C3%ADstica.pdf

Qualificação AGE001_5 GESTÃO CONTABILÍSTICA

PROGRAMA FORMATIVO DA QUALIFICAÇÃO PROFISSIONAL

Código	AGE00	1_5	Denominação		GESTÃO CONTABILÍSTICA			
Nível	5 F		Fa	amília Profissional	Administração e Gestão			
Duração indicativa				1.360 Horas				
		N.ª)		Denominação	Código		
		1 Realiza		Realizar a gestão co	ntabilística e fiscal.	UC195_5		
Unidades	de	2		Realizar a gestão fin	anceira.	UC196_5		
competên			Realizar a gestão e o	controlo da tesouraria.	UC197_5			
		4		Organizar processo instituições públicas.	os administrativos para apresentação às	UC198_4		
		5		Manusear aplicativos	s informáticos de escritório.	UC199_3		

ACQF Example: Botswana, Diploma in Tourism Management, L6

	BOTSWANA Qualifications Authority						
		BQA NCQF Q	Jalifi	cation Template			
DNCQF.FDMD.GD04						Issue No.: 01	
QUALIFICATION SPECIF	FICATION	I				SEC	
QUALIFICATION DEVEL	OPER	Imperial Scho	ol o	f Business and	Scier	nce (ISBS)	
TITLE	Diploma	a in Tourism M	anag	gement		NCQF LEVEL	6
FIELD	Service	s	s	UB-FIELD		Tourism Manageme	nt
New qualification	V			Rev	view (of existing qualification	
SUB-FRAMEWORK	Genera	I Education		TVET		Higher Education	
QUALIFICATION TYPE	Certifica	ate		Diploma	Ø	Bachelor	
QUALIFICATION TYPE	Bachelo	or Honours		Master		Doctor	
CREDIT VALUE 360 C							
CREDIT VALUE	OSE OF ⁻		ATI	ON		360 Credits	
RATIONALE AND PURPO Rationale The field of Tourism Mana- long-term strategy to creat the tourism industry. Tour prepare the youth of Botsw Human Resource Develop derived from the national s Tourism Management is a which demonstrates the n Pages 144-150). According to the National continues to be a key sec will continue to be impled diversification of programm The stakeholder survey un	igement is te a SAD rism is th wana to c pment Co strategies in identific need of th Developr tor in div emented ne". ndertaker	s crucial in devi C tourism hub v e core strengt reate, lead and puncil (HRDC) and priorities s ed crucial field his qualification nent Plan (NDI ersifying Botsw included touri a, also revealed	elop will r h of hel und i in l 2) II /ana sm,	ing countries su equire people w the Botswana p grow the touri a the Econom er Business Co Botswana, (BHI , April 2017- Ma 's economy. Sc cluster develo	rho ca econ sm in cey sa ic Div mme RDS arch 2 pme	s Botswana. The govern an communicate at all <i>la</i> omy and this qualificat idustry ectors of economy, wh rersification Drive in Bot rce and Management S Fair and Career Clinic: 2023 (p.126.S.6.196),"T of the Key programmes nt, product developme	ovels of ion will ich are swana. Sectors, Sector
RATIONALE AND PURPO Rationale The field of Tourism Mana. long-term strategy to creat the tourism industry. Tour prepare the youth of Botsw Human Resource Develop derived from the national s Tourism Management is a which demonstrates the m Pages 144-150). According to the National continues to be a key sec will continue to be imple diversification of programm	agement is te a SAD rism is th wana to c pment Cc strategies un identifi need of th Developr ctor in div emented ne". ndertaker narket cui	s crucial in devi C tourism hub v e core strengt reate, lead and puncil (HRDC) and priorities s ed crucial field his qualification nent Plan (NDI ersifying Botsw included touri a, also revealed	elop will r h of hel und i in l 2) II /ana sm,	ing countries su equire people w the Botswana p grow the touri a the Econom er Business Co Botswana, (BHI , April 2017- Ma 's economy. Sc cluster develo	rho ca econ sm in cey sa ic Div mme RDS arch 2 pme	s Botswana. The govern an communicate at all <i>la</i> omy and this qualificat idustry ectors of economy, wh rersification Drive in Bot rce and Management S Fair and Career Clinic: 2023 (p.126.S.6.196),"T of the Key programmes nt, product developme	ovels of ion will ich are swana. Sectors, Sector



BQA, Register of Qualifications

https://online.bqa.org.bw/~gG6Ug

ACQF Ex.: Mozambique, Accounting, L5

3



http://www.anep.gov.mz/Portals/0 /29-CV5%20Contabilidade.pdf

1 Informação para o Registo da Qualificação

Titulo da Qualificação:		Certificado Vocacional de Nível V em Contabilidade					
Código Nacional:		Q ADG02500191					
Campo:	Administração e Gestão		Subcampo:	Contabilidade			
Nível do QNQP:	5		Créditos totais:	120			
Data do registo:			Data do revisão:				
Progressão:	Os graduados com esta qualificação serão elegíveis para trabalhar no sector empresarial públic privado, assistindo o Chefe do Departamento de Administração e Finanças, podendo ainda ass responsabilidade pela liderança do departamento de contabilidade, numa pequena organização direcção geral de uma micro empresa. Os técnicos com esta qualificação poderão progredir par ensino superior.					da assumir a nização ou a	
			combinação de módul	os			
Módulos de habilio	lades vocacior	nais obrigatórios:	ve completar um mínimo O candidato deve compl ndidato deve completar o	etar um mínimo de			
	·		eúdo da Qualificação nstantes nesta Qualific	ação			
Código do Módulo	Código da Unidade de Competênci relacionada	a l	Título do Módulo		Número de Créditos	Número de Horas Normativas	
		Módulos	de Habilidades Genérica	s	1	1	
MO HG025001	UC HG025007	1 Utilizar o Ing profissionais	lês para propósitos socia	ais, pessoais e	2	20	
MO HG025002	UC HG025002	2 Comunicar i	nformação relacionada c	om a profissão	2	20	
MO HG025003	UC HG025003	3 Ler e respor	nder a materiais escritos		2	20	
MO HG025004	UC HG025004	Produzir ma	teriais escritos		2	20	
MO HG03501171	UC HG03501		oblemas de crescimento	0	2	20	
MO HG03502171	UC HG03502 ²	3502171 Resolver problemas de optimização usando limites e derivadas.			2	20	
MO HG04501191	UC HG04501	interveniente		•	2	20	
MO HG04502191	UC HG04502	191 Interpretar e informativos	e produzir textos explicat	vos e	2	20	
				Total	16	160	

	Autoridade Nacional da Educação Profissional
S	

	Módulos	s de Habilidades Vocacionais Obrigatórios				
MO ADG025001191	UC ADG025001191	Operar com a contabilidade da Banca, Seguros e Instituições sem fins lucrativos	12	120		
MO ADG025007191	UC ADG025007191	Sistematizar a informação para apoio à tomada de decisão	12	120		
MO ADG025008191	UC ADG025008191	Avaliar alternativas rotineiras e não rotineiras numa empresa	6	60		
MO ADG025009191	UC ADG025009191	Aplicar regulamentação, procedimentos e técnica de auditoria externa	6	60		
MO ADG025005191	UC ADG025005191	Elaborar o orçamento e apurar os desvios orçamentais	8	80		
MO ADG025010191	UC ADG025010191	Utilizar instrumentos de controlo de gestão	4	40		
MO ADG014005191	UC ADG014005191	Aplicar os procedimentos de Higiene e Segurança no Trabalho	4	40		
MO ADG025004191	UC ADG025004191	Analisar procedimentos de controlo interno e elaborar parecer de auditoria interna	4	40		
MO ADG025002191	UC ADG025002191	Realizar a análise económico financeira	8	80		
MO ADG025003191	UC ADG025003191	Realizar a análise de projecto de investimento	8	80		
MO ADG025006191	UC ADG025006191	Aplicar técnicas de angariação e avaliação de alternativas de financiamento	8	80		
MO ADG035001191	UC ADG035001191	Organizar e zelar por espaços e equipamentos de trabalho	2	20		
MO ADG025011191	UC ADG025011191	Aplicar os procedimentos de Ética do profissional de Contabilidade	2	20		
		Subtotal	84	840		
	Projecto Integrado e Experiência de Trabalho					
MO ADG025012191	UC ADG025012191	Elaborar Projecto Integrado	4	40		
MO ADG025013191	UC ADG025013191	Levar a cabo uma experiência de trabalho	16	160		
	·	Sub-total	20	200		
		TOTAL	120	1200		

Certificado Vocacional de Nível V em Contabilidade - edição de 2019

ACQF Ex.: South Africa, Advanced diploma logistics, L7



All qualifications and part qualifications registered on the National Qualifications Framework are public property. Thus the only payment that can be made for them is for service and reproduction. It is illegal to sell this material for profit. If the material is reproduced or quoted, the South African Qualifications Authority (SAQA) should be acknowledged as the source.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

REGISTERED QUALIFICATION:

Advanced Diploma in Logistics							
SAQA QUAL ID	QUALIFICATION TITLE	UALIFICATION TITLE					
101960	Advanced Diploma in Logistic	x					
ORIGINATOR							
University of Johannesburg							
PRIMARY OR DELEGATED Q	UALITY ASSURANCE FUNCT	TIONARY	NQF SUB-FRAMEWORK				
CHE - Council on Higher Educati	on		HEQSF - Higher Education Qualification	s Sub-framework			
QUALIFICATION TYPE	FIELD		SUBFIELD				
Advanced Diploma	Field 11 - Services		Transport, Operations and Logistics				
ABET BAND	MINIMUM CREDITS	PRE-2009 NQF LEVEL	NQF LEVEL	QUAL CLASS			
Undefined	120	Not Applicable	NQF Level 07	Regular-Provider-ELOAC			
REGISTRATION STATUS		SAQA DECISION NUMBER	REGISTRATION START DATE	REGISTRATION END DATE			
Reregistered		SAQA 091/21	2021-07-01	2023-06-30			
LAST DATE FOR ENROLMENT	r	LAST DATE FOR ACHIEVEMENT					
2024-06-30		2027-06-30					

In all of the tables in this document, both the pre-2009 NQF Level and the NQF Level is shown. In the text (purpose statements, qualification rules, etc), any references to NQF Levels are to the pre-2009 levels unless specifically stated otherwise.

This qualification replaces:

Qual ID	Qualification Title	Pre-2009 NQF Level	NQF Level	Min Credits	Replacement Status
83908	Bachelor of Technology: Logistics	Level 7	Level TBA: Pre-2009 was L7	120	

PURPOSE AND RATIONALE OF THE QUALIFICATION

Purpose:

The purpose of this qualification is to make provision for the development of intellectual knowledge and applied competence related to procurement, logistics processes and practices, project management, logistics research, global supply management and quantitative techniques.

The inclusion of research methodology and a research project module, as well as a practical module in which learners will be required to apply their acquired theoretical knowledge to current industry-related challenges. This qualification offers students the opportunity to balance theory, research and practical application in their learning experience.

The simulation programme provides a practical application in a logistics environment, including, but not limited to, the management of time, materials handling, in-bound and outbound logistics, staff deployment and morale, process design, cost effectiveness, customer service, cash/money flow, product-mix decisions, demand forecasting, quality assurance, procurement, and stock rotation. Teaching for this module is action-based, i.e. the module provides an environment in which learners, apply theoretical understanding, take actions and discover the consequences of the actions in order to develop an understanding of the objectives and business drivers of a logistics business. The simulation also focuses on group participation and interaction.

The learning outcomes of this qualification is aligned with requirements of the Level 7 Exit Level Outcomes since learners are required to apply theoretical knowledge to complex problems and to present such application in a well-structured argument using academic discourse. The learners are also expected to demonstrate the following: integrated knowledge https://regqs.saqa.org.za/view Qualification.php?id=101960

Exit level outcomes

1. Plan and coordinate logistics processes and practices so that operational and strategic targets are met.

 Optimise supply chain processes through selecting and/or combining the best methods and practices in a globalised supply chain environment.

3. Identify and apply appropriate and applicable logistics-related quantitative techniques and methods relevant to specific logistics situation.

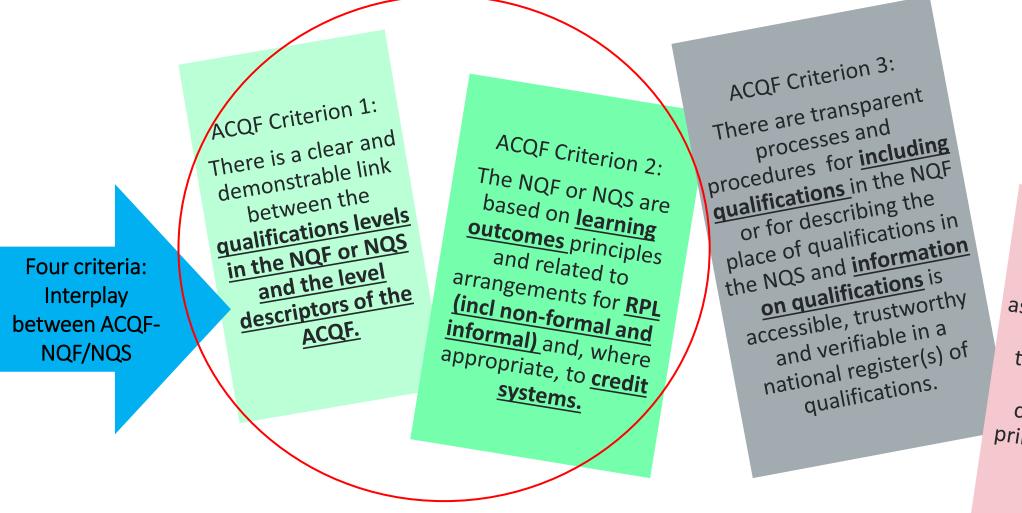
4. Identify and explain the key logistics related problems and solutions from a simulation model.

5. Execute logistics and distribution decisions within a supply chain.

6. Complete a research project related to logistics management.



Links between level descriptors, learning outcomes and the ACQF



ACQF Criterion 4: The national quality assurance (QA) system for education and training refers to the NQF or NQS and is consistent with the principles of QA of the ACQF.

RPL gives us wings

Inclusion, equity

Recognition, validation and certification of non-formal and informal learning, skills and compeences

(RPL, RVCC/RCA, VAE, VNFIL)

Learning outcomes are central for RPL



ACQF Make the invisible - visible: skills acquired by experience/informal, non-formal learning

Non-formal and informal learning are key parts of lifelong learning

People learn at any time, anywhere throughout their lives, not only in formal education and training systems and pathways, but also in non-formal and informal learning settings.

This learning can be made visible via RPL / VNFIL. Identification, documentation, assessment and certification of learning outcomes.

The growth of digital and online learning, access to digital skills assessment and digital credentials tools offer new potentialities that can benefit applicants, and the effectiveness of RPL / RVCC /RCA systems

ACQF What connection with NQF?



Qualification standards (outcomes) Assessment based on qualifications standards / outcomes/ <u>not</u> <u>on schooling</u>

Parity of value of certificates: obtained by formal training and by PRL

Quality assurance

RPL

Your views...write in chatbox



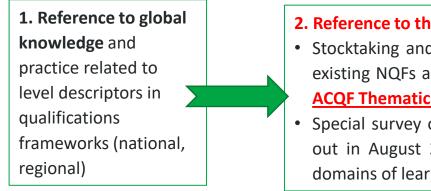
"Learning outcomes are the **GPS** in the eco-system of qualifications":

- Do you agree?
- Why?
- Comments!

For your further reading: ACQF level descriptors

Development of ACQF level descriptors

1. Reference sources, tools and path



2. Reference to the African contextStocktaking and overview of level descriptors and domains of learning in

- existing NQFs and RQFs in Africa. <u>Outputs:</u> <u>ACQF Feasibility Study</u> (2021), <u>ACQF Thematic Brief 3.1: level descriptors</u> (2020).
- Special survey on NQFs, level descriptors, and learning outcomes, carried out in August 2021. The findings of the survey informed the proposed domains of learning of ACQF level descriptors.

3. Methodological Guidance:

- a) Developed and published the Orientation Note on Regional Qualifications Frameworks (2021) and other relevant sources
- b) ACQF Guideline 2 and related Training Module; ACQF thematic brief 10

4. Practical method for conceptualisation, drafting, review of the ACQF level descriptors:

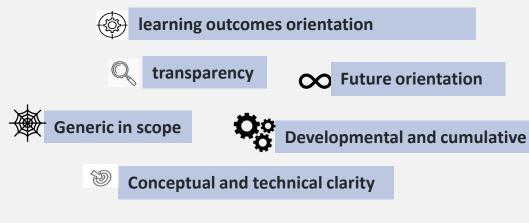
- \circ ~ Expert team: lead author and four expert contributors and reviewers
- Systematic process, based on:
 - Planned focused team meetings
 - Progressive matrix, encapsulating all versions, specific glossary, comments
 - Advanced draft of the grid of ACQF level descriptors was presented and discussed at a wider internal meeting with all experts
 - Final draft of the level descriptors was incorporated in the dedicated ACQF Guideline Two and presented for comments to the ACQF advisory group meeting, on 13 January, 2022. The guideline was shared with the advisory group four weeks before the meeting. All documents for review and debate by the advisory group are accessible at the ACQF intranet
 - The advisory group was invited to provide more substantive comments on all ACQF guidelines presented at the meeting held on 13 January, 2022. A
 period of four weeks was given for this consultation process, administered through a survey. The comments received were incorporated in the draft
 guidelines. The proposed draft level descriptors did not receive objections or requests of major modifications.

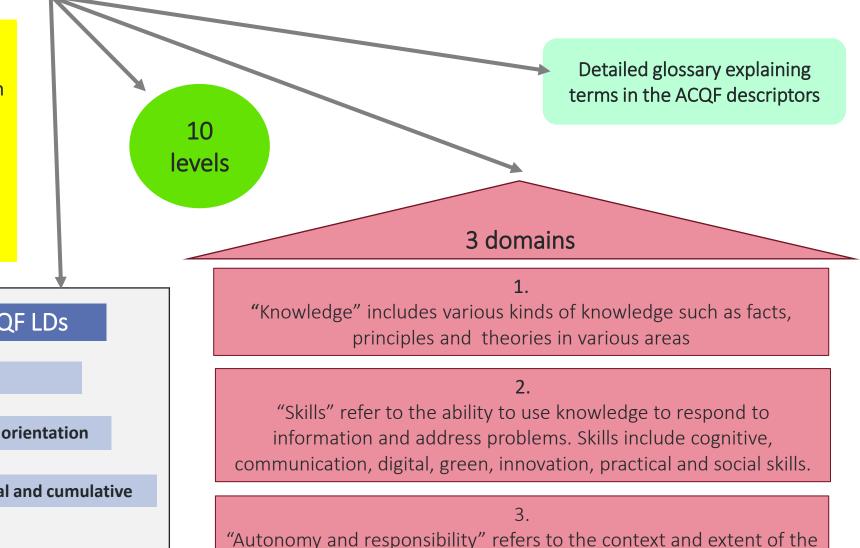
Overall design: ACQF level descriptors

The ACQF descriptors:

- are regional, generic, broad statements of learning outcomes complexity that can accommodate and value all forms of learning (formal, non-formal and informal)
- can be applied across all African Union countries and all education and training sectors

Underpinning principles of ACQF LDs





application of autonomy and responsibility

ACQF level descriptors: domains of learning - definition

		Domains of learning	
Level	Knowledge	Skills	Autonomy and responsibility
Definition of the	In the context of ACQF	In the context of ACQF "Skills"	In the context of ACQF
domains of	"Knowledge" includes	refer to the ability to use	"Autonomy and
learning	various kinds of knowledge such as facts, principles, and theories in various areas	knowledge to respond to information and address problems. Skills include cognitive, communication, digital, green, innovation, practical and social skills.	responsibility" refers to the context and extent of the application of autonomy and responsibility

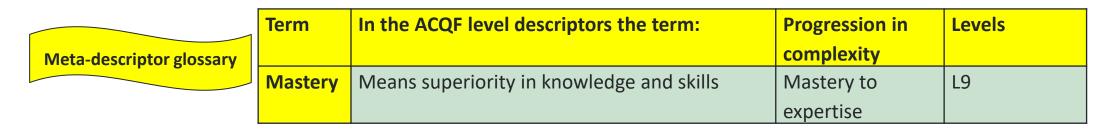
ACQF descriptors (horizontal logic and glossary) Example (simple, L1)

Level	Knowledge	Skills	Autonomy and Responsibility
<u>Level 1:</u> The learning outcomes	<mark>Simple</mark> knowledge,	Simple communication, cognitive and	Highly structured, repetitive contexts
related to formal, non-formal,	literacy, and numeracy	practical skills required to follow simple	under <u>close</u> supervision and guidance
and informal learning at this		instructions, and use simple, repetitive	taking <u>minimal</u> responsibility for self
level include:		solutions to address simple problems	
Level 2: The learning outcomes	<u>Basic</u> knowledge	Basic communication, cognitive and practical	Structured contexts under limited
related to formal, non-formal	incorporating	skills required to use <u>concrete</u> information,	supervision and guidance taking
and informal learning at this	comprehension and recall	ideas and <u>known</u> solutions to address	limited responsibility for self and
level include:	of factual and operational	straight-forward_problems	group outcomes
	knowledge in some areas		

	Term	In the ACQF level descriptors the term:	Progression in	Levels
			complexity	
	Simple	Means uncomplicated and easy to understand.	Simple to	L1
Meta-descriptor glossary		It can be used without experience and is found	straightforward/	
		at the lowest level of complexity	basic	

ACQF descriptors (horizontal logic and glossary) Example (mastery, L9)

Level	Knowledge	Skills	Autonomy and Responsibility
<u>Level 9</u> : The learning	Mastery of a complex body of	Skills mastery required to demonstrate	Highly specialised contexts
outcomes related to	knowledge <u>at the forefront</u> of	originality and new insights in research	demonstrating mastery in
formal, non-formal and	a discipline/area	and/or innovation and formulate and test	autonomy and responsibility
informal learning at this		theories to show mastery of highly	
level include:		complex, abstract problems	
<u>Level 10:</u> The learning	Substantial and original	Expert skills and techniques that	Emergent new contexts
outcomes related to	knowledge contribution that	demonstrate innovation, interpretation	demonstrating expertise in
formal, non-formal, and	extends the forefront of a	and creation of new ideas required to	management of new ideas
informal learning at this	discipline/area and/or <u>at the</u>	critically evaluate, formulate, and test	
level include:	<u>interface</u> between	theories to address <u>emergent, new,</u> and	
	disciplines/areas	critical problems	



ACQF Level descriptors 1-5

Level	Knowledge	Skills	Autonomy and Responsibility	
Level 1: The learning outcomes	<u>Simple</u> knowledge, literacy,	Simple communication, cognitive and practical	Highly structured, repetitive contexts under	
related to formal, non-formal, and	and numeracy	skills required to follow simple instructions,	close supervision and guidance taking minimal	
informal learning at this level		and use simple, <u>repetitive</u> solutions to address	responsibility for self	
include:		simple problems		
Level 2: The learning outcomes	<u>Basic</u> knowledge	Basic communication, cognitive and practical	Structured contexts under limited supervision	
related to formal, non-formal and	incorporating comprehension	skills required to use concrete information,	and guidance taking <u>limited</u> responsibility for	
informal learning at this level	and recall of factual and	ideas and <u>known</u> solutions to address straight-	self and group outcomes	
include:	operational knowledge in	<u>forward</u> problems		To assist the
	some areas			comparison of NQF
Level 3: The learning outcomes	Factual and operational	A <u>range</u> of communication, cognitive, practical	Predictable contexts under routine supervision	descriptors with
related to formal, non-formal, and	knowledge incorporating	and technical skills required to interpret and	and guidance, with <u>initiative</u> for self-	ACQF descriptors:
informal learning at this level	some theoretical aspects in	communicate ideas and detailed information,	responsibility and some responsibility for	It will help to
include:	some areas	and <u>select and use</u> known solutions to address	group outcomes	identify key
		familiar problems		words in each
Level 4: The learning outcomes	Mainly factual, operational or	Well-developed technical skills required to	Varied (predictable and unpredictable)	level
related to formal, non-formal and	technical knowledge	analyse information and new ideas, make	contexts with adaptability and initiative for	• This also assists
informal learning at this level	incorporating theoretical	informed judgements, communicate outcomes	self-direction under general guidance, taking	with checks for
include:	aspects in one or more areas	and apply varied solutions to varied (familiar	full responsibility for self, some planning and	horizontal
		and unfamiliar) problems	responsibility for group outcomes and initiative	coherence
			for responsibility for others	
<u>Level 5:</u> The learning outcomes	Mainly technical or	A range of well-developed technical skills, with	Unpredictable contexts with full autonomy	
related to formal, non-formal, and	theoretical knowledge with	some specialisation, required to analyse	and full responsibility for self and group	
informal learning at this level	<u>substantial depth</u> in a	information and new ideas, construct and	outcomes, and some responsibility for others	
include:	discipline/area	communicate a <u>coherent argument</u> , and apply		
		a range of solutions , often in combination, to		
		address <u>unfamilia</u> r problems		

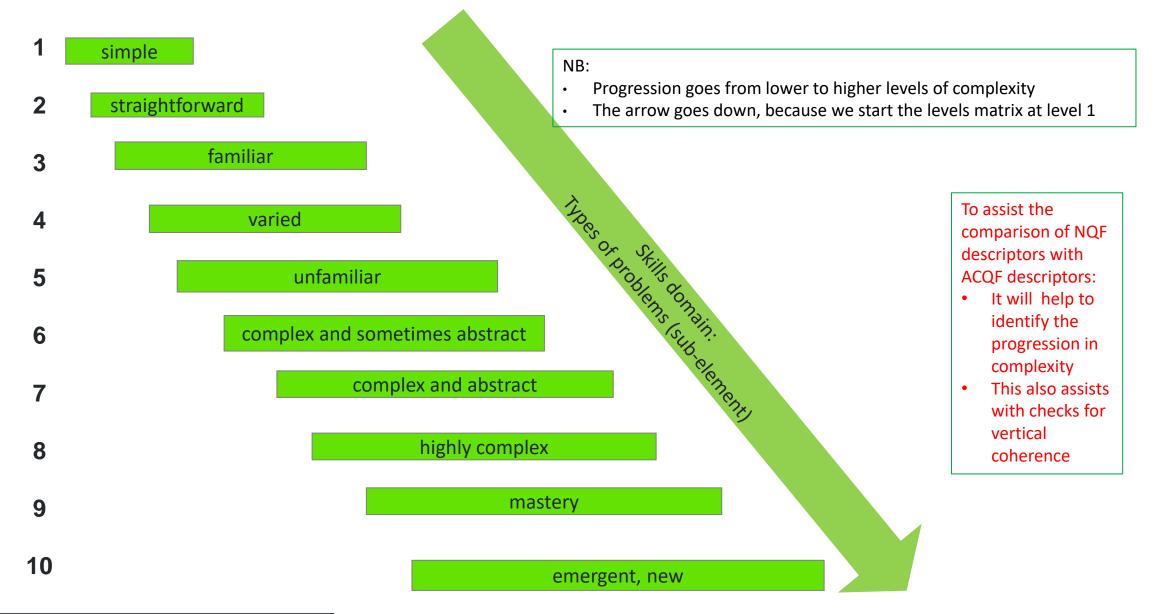
ACQF Level descriptors 6 -10

Level	Knowledge	Skills	Autonomy and Responsibility
<u>Level 6:</u> The learning outcomes	Highly technical or theoretical	Highly technical and <u>specialised</u> skills required to	Highly variable contexts with well-
related to formal, non-formal	knowledge, with specialisation in	collate, analyse, synthesise, and communicate a	developed autonomy and
and informal learning at this	a discipline/area	range of information and new ideas, and	responsibility for self and group
level include:		formulate or adapt different solutions to address	outcomes and responsibility for
		complex and sometimes abstract problems	resources and processes
<u>Level 7:</u> The learning outcomes	Advanced analytical and/or	Advanced, specialised skills required to	Complex and variable contexts
related to formal, non-formal	<u>specialised</u> knowledge of a	demonstrate advanced analysis and initiative for	with advanced autonomy and
and informal learning at this	discipline/area	new insights and ideas in research and/or	responsibility
level include:		innovation, and formulate advanced solutions to	
		address <u>complex and abstract</u> problems	
Level 8: The learning outcomes	Highly advanced, complex	Highly advanced, complex skills required to	Highly complex contexts with
related to formal, non-formal	knowledge of a discipline/area	demonstrate highly advanced analysis,	some specialisation demonstrating
and informal learning at this		communicate new insights and ideas in research	highly advanced autonomy and
level include:		and/or innovation, and formulate highly	responsibility
		advanced solutions to address highly complex	
		and abstract problems	
<u>Level 9</u> : The learning outcomes	<u>Mastery</u> of a complex body of	Skills mastery required to demonstrate originality	Highly specialised contexts
related to formal, non-formal	knowledge <u>at the forefront</u> of a	and new insights in research and/or innovation	demonstrating mastery in
and informal learning at this	discipline/area	and formulate and test theories to show mastery	autonomy and responsibility
level include:		of highly complex, abstract problems	
Level 10: The learning outcomes	Substantial and original	Expert skills and techniques that demonstrate	Emergent new contexts
related to formal, non-formal,	knowledge contribution that	innovation, interpretation and creation of new	demonstrating expertise in
and informal learning at this	extends the forefront of a	ideas required to critically evaluate, formulate,	management of new ideas
level include:	discipline/area and/or <u>at the</u>	and test theories to address emergent, new, and	
	<u>interface</u> between	critical problems	
	disciplines/areas		

To assist the comparison of NQF descriptors with ACQF descriptors:

- It will help to identify key words in each level
- This also assists with checks for horizontal coherence

Vertical logic (cumulative, progression in complexity)



The info		Knowledge domain			
ie le forr	Level	Type of Knowledge	Scope		
learning rmal lear	Level 1	Simple knowledge, literacy and numeracy			
outo		Basic knowledge incorporating comprehension and recall of factual and operational knowledge	In some areas		
	Level 3	Factual and operational knowledge incorporating some theoretical aspects	In some areas		
related se level		Mainly factual, operational or technical knowledge incorporating theoretical aspects	In one or more areas		
to formal, ls include:		Mainly technical or theoretical knowledge with substantial depth	In a discipline/ area		
	Level 6	Highly technical or theoretical knowledge, with specialisation	In a discipline/ area		
non-formal		Advanced analytical, and/ or specialised knowledge	Of a discipline/ area		
nal à	Level 8	Highly advanced, complex knowledge	Of a discipline/ area		
and	Level 9	Mastery of a complex body of knowledge	At the forefront of a discipline/ area		
	Level 10	Substantial and original knowledge contribution	That extends the forefront of a discipline/ area		
			and/ or at the interface between disciplines/ areas		

•

Scope

<u>,</u>		Skills domain			
Level 1 Level 2 Level 2 Level 3 Level 4 Level 5 Level 6 Level 7 Level 8 Level 9 Level 10	Type of skills	Response to information	Addressing types of problems		
Level 1	Simple communication,	Follow simple instructions	Use simple repetitive solutions to address		
	cognitive and practical skills		simple problems		
Level 2	Basic communication,	Use concrete information and ideas	Use known solutions to address		
	cognitive, and practical skills		straightforward problems		
Level 3	A range of communication,	Interpret and communicate ideas and	Select and use known solutions to address		
	cognitive, practical and technical skills	detailed information	familiar problems		
Level 4	Well-developed technical skills	Analyse information and ideas, make	Apply varied solutions to address varied		
•		informed judgements and communicate	(familiar and unfamiliar) problems		
		outcomes			
Level 5	A range of well-developed	Analyse information and new ideas, and	Apply a range of solutions often in		
	technical skills with some	construct and communicate coherent	combination to address unfamiliar problems		
	specialisation	arguments			
Level 6	Highly technical and	Collate, analyse, synthesise, and	Formulate or adapt different solutions to		
	specialised skills	communicate a range of information	address complex and sometimes abstract		
		and new ideas	problems		
Level 7	Advanced skills	Demonstrate advanced analysis and	Formulate advanced solutions to address		
		initiative for new insights and ideas in	complex and abstract problems		
		research and/ or innovation			
Level 8	Highly advanced, complex skills	Demonstrate highly advanced analysis	Formulate highly advanced solutions to		
		and communicate new insights and	address highly complex and abstract		
		ideas in research and/or innovation	problems		
Level 9	Mastery	Demonstrate originality and new	Formulate and test theories to show mastery		
		insights in research and/or innovation	of highly complex, abstract problems		
Level 10	Expert skills and techniques	Demonstrate innovation, interpretation	Critically evaluate, formulate and test		
		and creation of emergent and new	theories to address emergent, new and		
		ideas	critical problems		

Skills sub-elements ۲ Addressing types of problems Response to information Type of skills

•

	Autonomy and responsibility domain				
t Level	Context	Autonomy	Responsibility		
Level 1	Highly structured,	Close supervision and	Minimal responsibility for self		
	repetitive contexts	guidance			
Level 2	structured contexts	Limited supervision and	Limited responsibility for self and group outcomes		
		guidance			
Level 1 Level 2 Level 3 Level 4	Predictable contexts	Routine supervision and	Initiative for self-responsibility and some		
		guidance and initiative for	responsibility for group outcomes		
		adaptability			
Level 4	Varied (predictable and	Adaptability and initiative for	Full self-responsibility, some planning and		
	unpredictable) contexts	self-direction under general	responsibility for group outcomes and initiative for		
5 ti		guidance	responsibility for others		
Level 5	Unpredictable contexts	Full autonomy	Full responsibility for self and group outcomes and		
			some responsibility for others		
Level 6	Highly variable contexts	Well-developed autonomy	Well-developed responsibility for self and group		
Level 6 Level 7 Level 8			outcomes; responsibility for resources and processes		
Level 7	Complex and variable	Advanced autonomy	Advanced		
	contexts				
Level 8	Highly complex contexts	Highly advanced autonomy	Highly advanced		
	with some specialisation				
Level 9	Highly specialised contexts	Mastery of autonomy	Mastery		
Level 10	Emergent, new contexts	Expertise	Expertise in management of new ideas		

Autonomy and responsibility sub-elements Context

Responsibility

Autonomy

Page 68