

Universität

Flensburg

**A. Willi Petersen**

# **National Qualification Frameworks (NQFs) as a foundation to gaining more transparency and a better international recognition of professional qualifications including VET qualifications**

**5th International INAP Conference,  
Johannesburg, April, 23rd and 24th 2013**

**To Topic 3: Apprenticeships and National Qualification Frameworks  
(NQFs): does VET fit into NQFs?**



# Content and Structure

- **Introduction: Classifications and QFs**
- **Questions and Problems**
- **Investigation and Recommendations**
- **Summary and Conclusion**
- **References and used Literature**

# Classifications of Occupations and Qualifications - Frameworks and Standards -



## Labour market Occupations, Jobs and Professions

Erwerbsberufe      Erwerbsberufe      Erwerbsberufe      Erwerbsberufe

Erwerbsberufe      Erwerbsberufe      Erwerbsberufe      Erwerbsberufe

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Erwerbsberufe      Erwerbsberufe      Erwerbsberufe      Erwerbsberufe

## Education and training system Vocational and Higher education programs

Studium (... PhD . )      Studium (... PhD . )      Studium (... PhD . )      Studium (... PhD . )

Studium (BA/M.A. . )      Studium (BA/M.A. . )      Studium (BA/M.A. . )      Studium (BA/M.A. . )

Fortbildung(sberufe)      Fortbildung(sberufe)      Fortbildung(sberufe)      Fortbildung(sberufe)

Ausbildung(sberufe)      Ausbildung(sberufe)      Ausbildung(sberufe)      Ausbildung(sberufe)

Ausbildung (kurz)      Ausbildung (kurz)      Ausbildung (kurz)      Ausbildung (kurz)

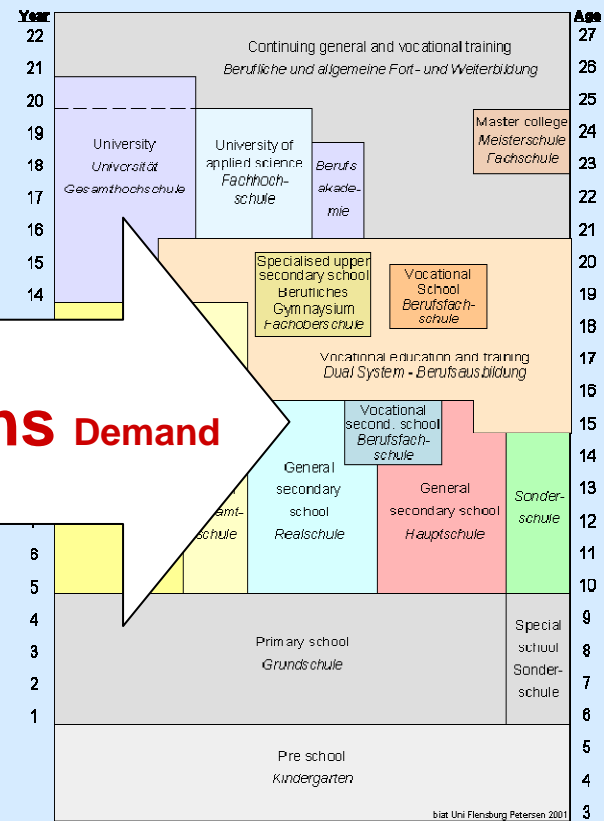


# Classifications of Occupations and Qualifications - Frameworks and Standards -

## Work and employment system Occupations, Jobs and Professions

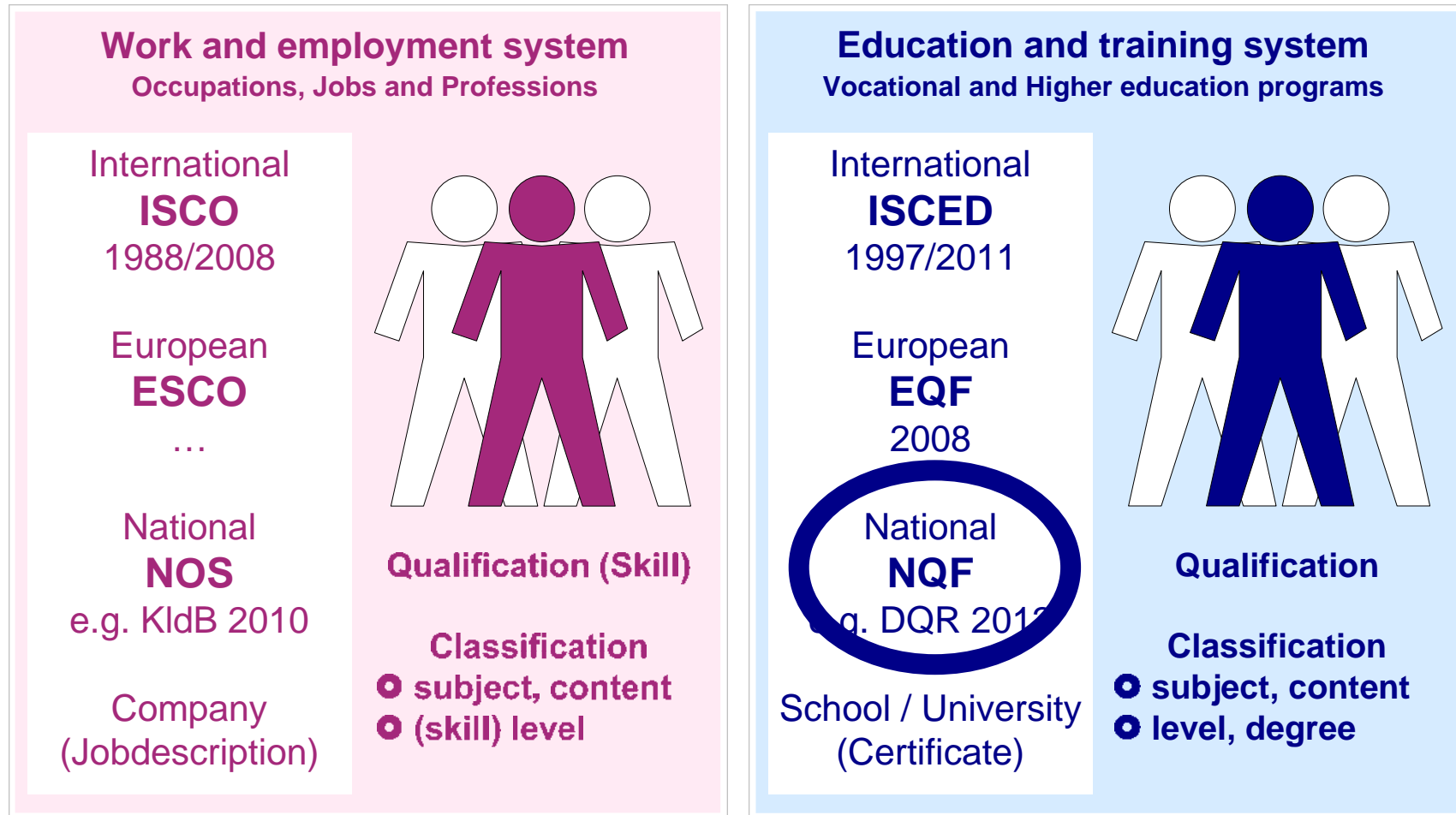


## Education and training system Vocational and Higher education programs



Offer **Qualifications** Demand  
Skills  
Competences

# Classifications of Occupations and Qualifications - Frameworks and Standards -



# Does VET Qualifications fit into NQFs?

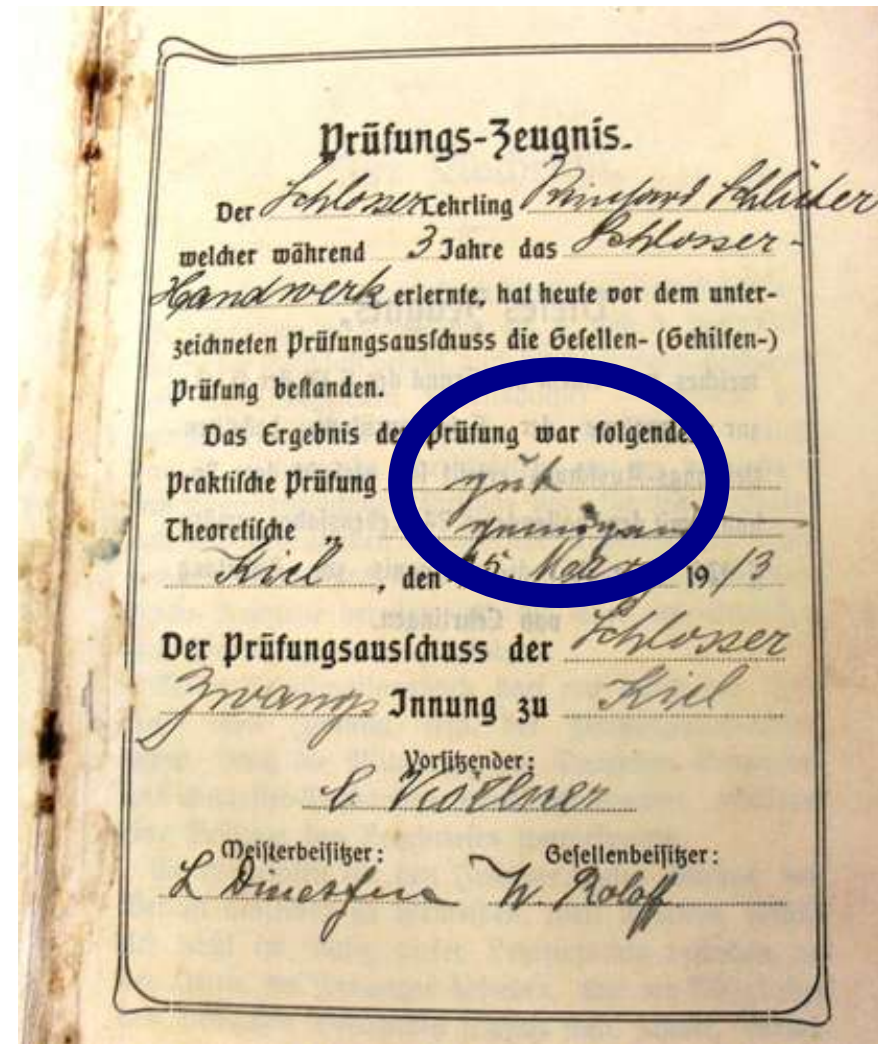
Qualifikation:  
**Gesellenbrief**  
“Schlosser”  
(1913 - 2013)

Qualification:  
VET Certificate  
“Locksmith”  
(100 years old!)

Which locksmith qualifications are accomplished with VET?

Two simple descriptors:  
e.g. practical skills = good  
theoretical knowledge = enough

Recent problem:  
Assessment and international comparability  
of the qualifications (recognition of foreign  
qualifications)





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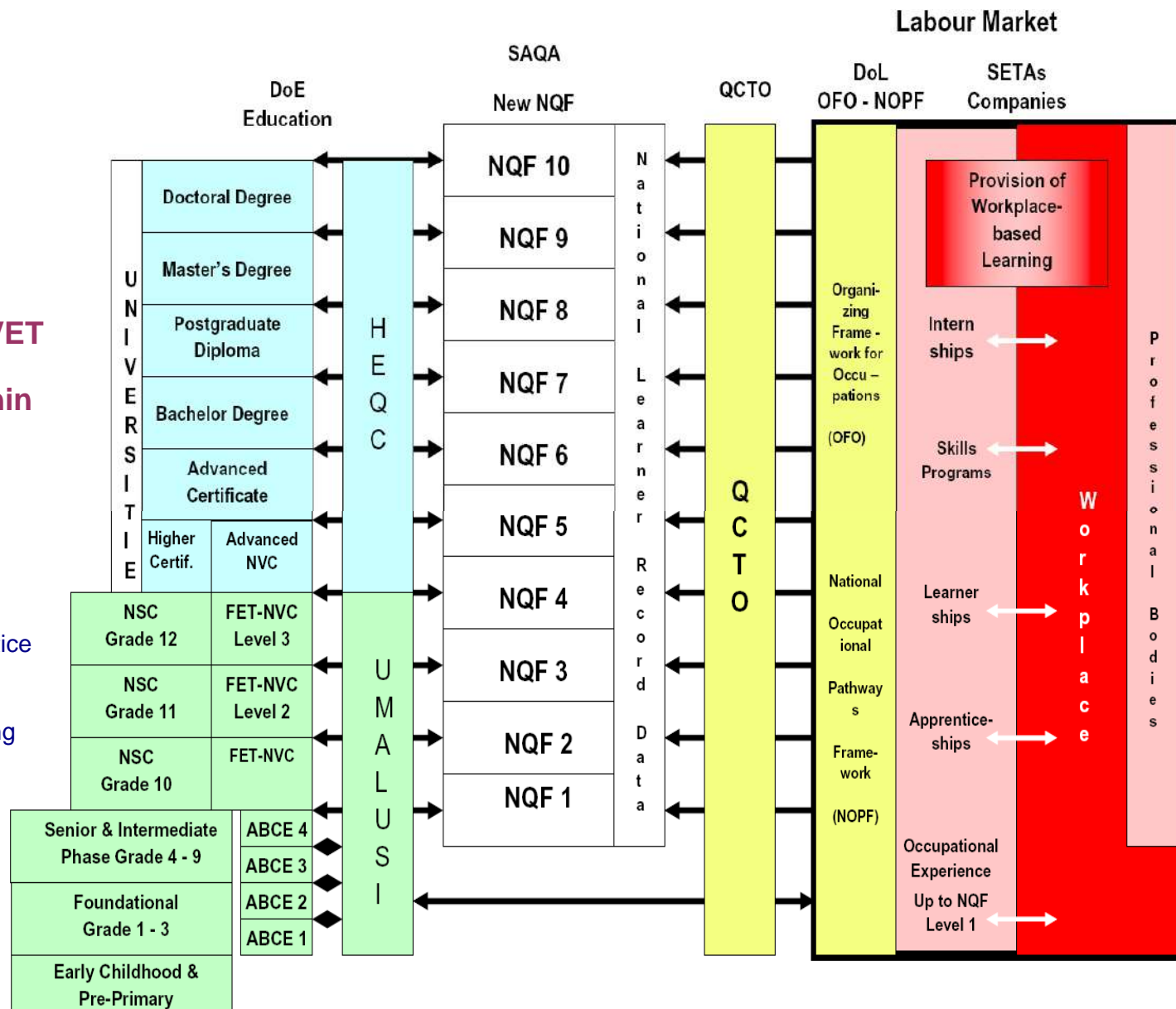


How are defined the VET qualification of the Apprenticeships within this NQF?

## Ten (10!) categories:

- Scope of knowledge
- Knowledge literacy
- Method and procedure
- Problem solving
- Ethics a. professional practice
- Accessing, processing and managing information
- Producing a. communicating of information
- Context and systems
- Management of learning
- Accountability.

**Recent problem:**  
International comparability and recognition of the (foreign) qualifications



# Does VET Qualifications fit into NQFs?



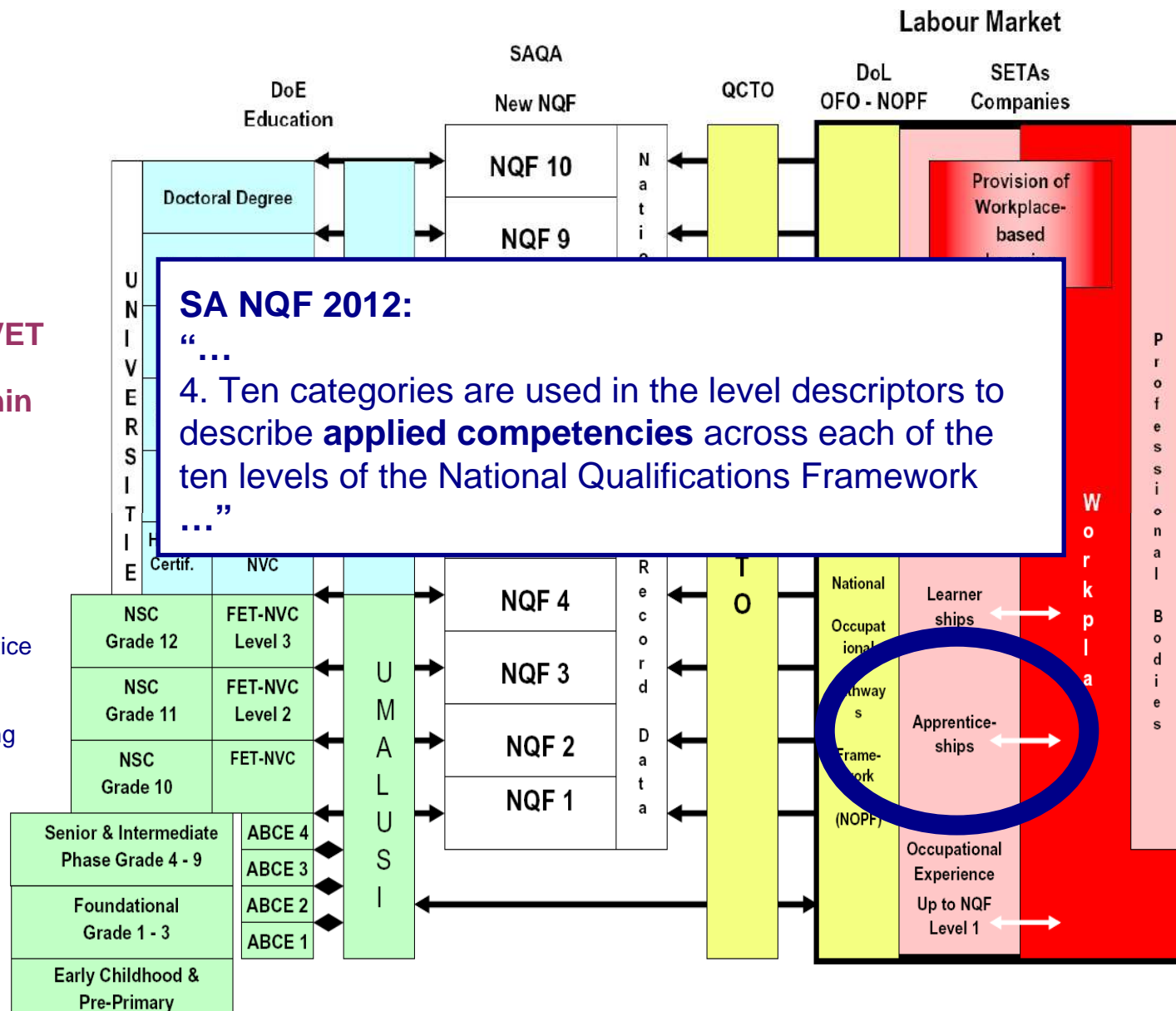
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# Classifications of Occupations and Qualifications - Frameworks and Standards -

## Work and employment system Occupations, Jobs and Professions

International Standard Classification of Occupations (ISCO) 2008

ISCO SKILL LEVEL	4	<b>Professionals</b> (e.g. Managers, Engineering professionals, Architects, Medical doctors, Finance and Legal professionals)
	3	<b>Technicians and associate professionals</b> (e.g. Construction supervisors, Business agents, Pharmaceutical, Telecommunications technicians)
	2	(e.g. Cleaners and helpers, Transport and storage labourers, Food preparation assistants) <b>IVET-Q</b>
	1	<b>Elementary occupations</b> (e.g. Cleaners and helpers, Transport and storage labourers, Food preparation assistants)

cp. ISCO 2008

## Education and training system Vocational and Higher education programs

International Standard Classification of Education (ISCED) 2011

ISCED EDUCATION / QUALIFICATION LEVEL	8	<b>Doctoral or equivalent</b> academic / professional / orientation unspecified
	7	<b>Master or equivalent</b> academic / professional / orientation unspecified
	6	<b>Bachelor or equivalent</b> academic / professional / orientation unspecified
	5	<b>Short-cycle tertiary</b> general / vocational / orientation unspecified
	4	Post-secondary non-tertiary <b>IVET-Q</b>
	3	Upper secondary
	2	<b>Lower secondary</b> general / vocational
	1	<b>PRIMARY</b>

cp. ISCED 2011

# Classifications of Occupations and Qualifications - Frameworks and Standards -

## Work and employment system Occupations, Jobs and Professions

ISCO SKILL LEVEL		„German“ Klassifikation der Berufe (KldB 2010)	
ISCO	ISCO SKILL LEVEL	Anforderungsniveau	ISCO SKILL LEVEL
4	4	4	Hoch komplexe Tätigkeiten (z.B. mit Master, Diplom oder auch Promotion)
3	3	3	Komplexe Spezialistentätigkeiten (z.B. mit Bachelor, Meister, Fachwirt, Techniker)
2	2	2	Fachlich ausgerichtete Tätigkeiten (z.B. Fachkräfte mit zwei- oder dreijähriger Ausbildung)
1	1	1	Helfer- und Anlerntätigkeiten (z.B. auch mit einjähriger Berufsausbildung)

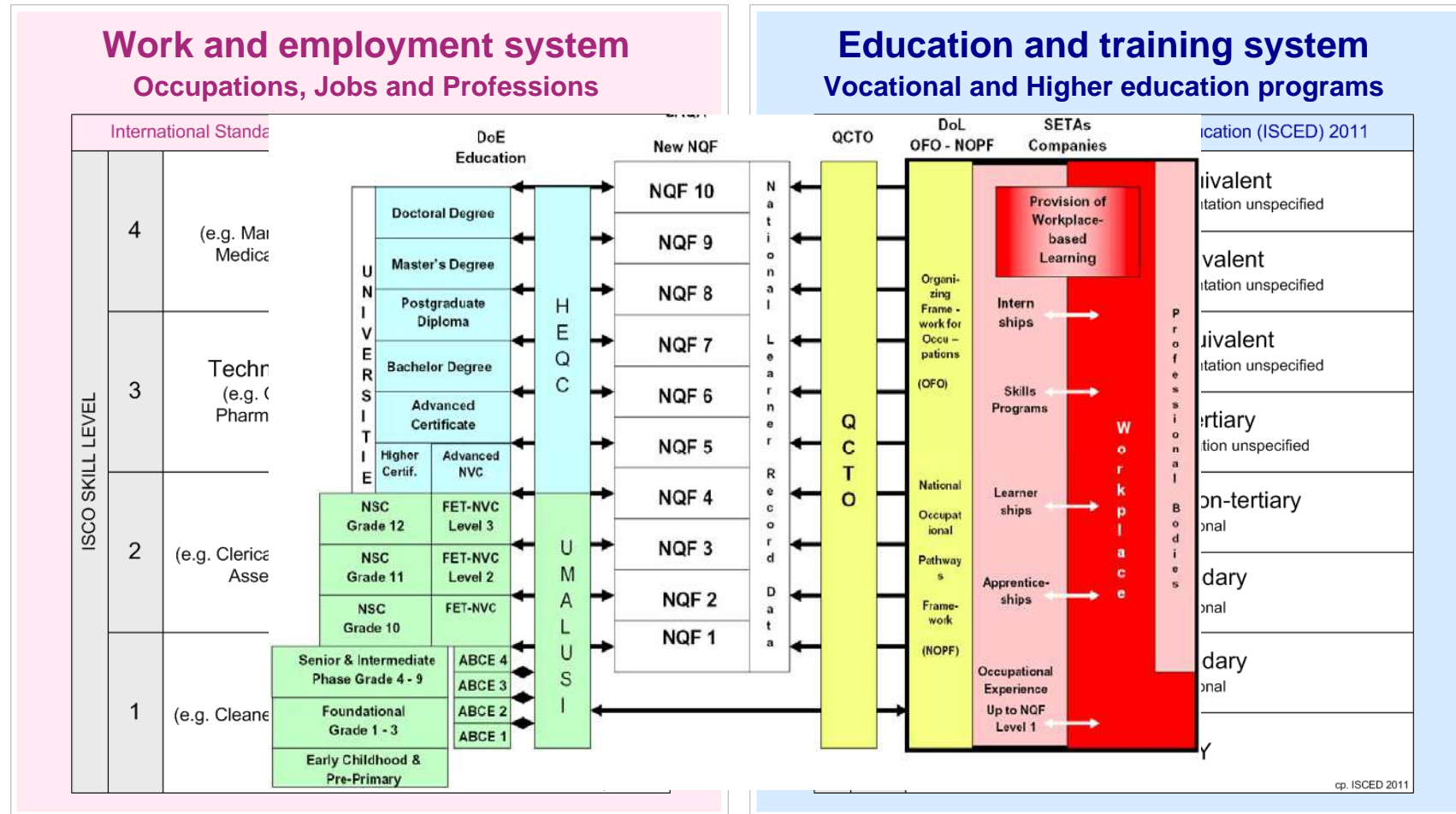
Vgl. BA Band 1, KldB 2010, S. 26ff  
cp. ISCO 2008

## Education and training system Vocational and Higher education programs

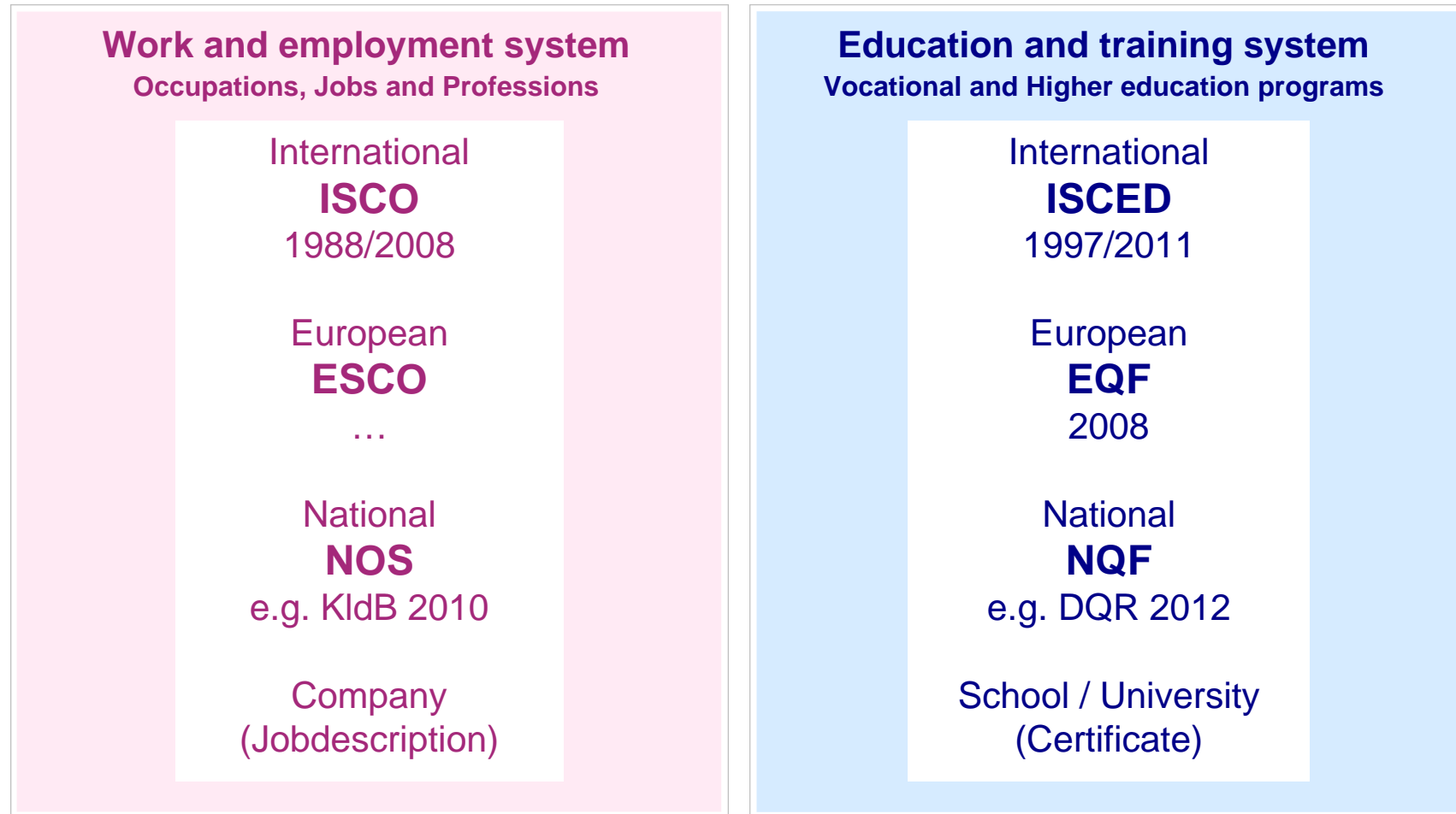
ISCED EDUCATION / QUALIFICATION LEVEL		„German“ Qualifikationsrahmen (DQR 2012)	
ISCED	ISCED EDUCATION / QUALIFICATION LEVEL	Qualifikationsniveau	ISCED EDUCATION / QUALIFICATION LEVEL
8	8	8	Promotion
7	7	7	Master (z.B. auch Strategischer IT-Professional)
6	6	6	Bachelor, Meister, Fachwirt, Fachschulabschluss (z.B. Techniker/-in)
5	5	5	Fortbildung (z.B. IT-Spezialisten)
4	4	4	Berufsausbildung (drei-, dreieinhalbjährig)
3	3	3	Berufsausbildung (zweijährig)
2	2	2	Berufsgrundbildung (einjährig)
1	1	1	Berufsausbildungsvorbereitung

Vgl. BMBWF 31.01.2012  
cp. ISCED 2011

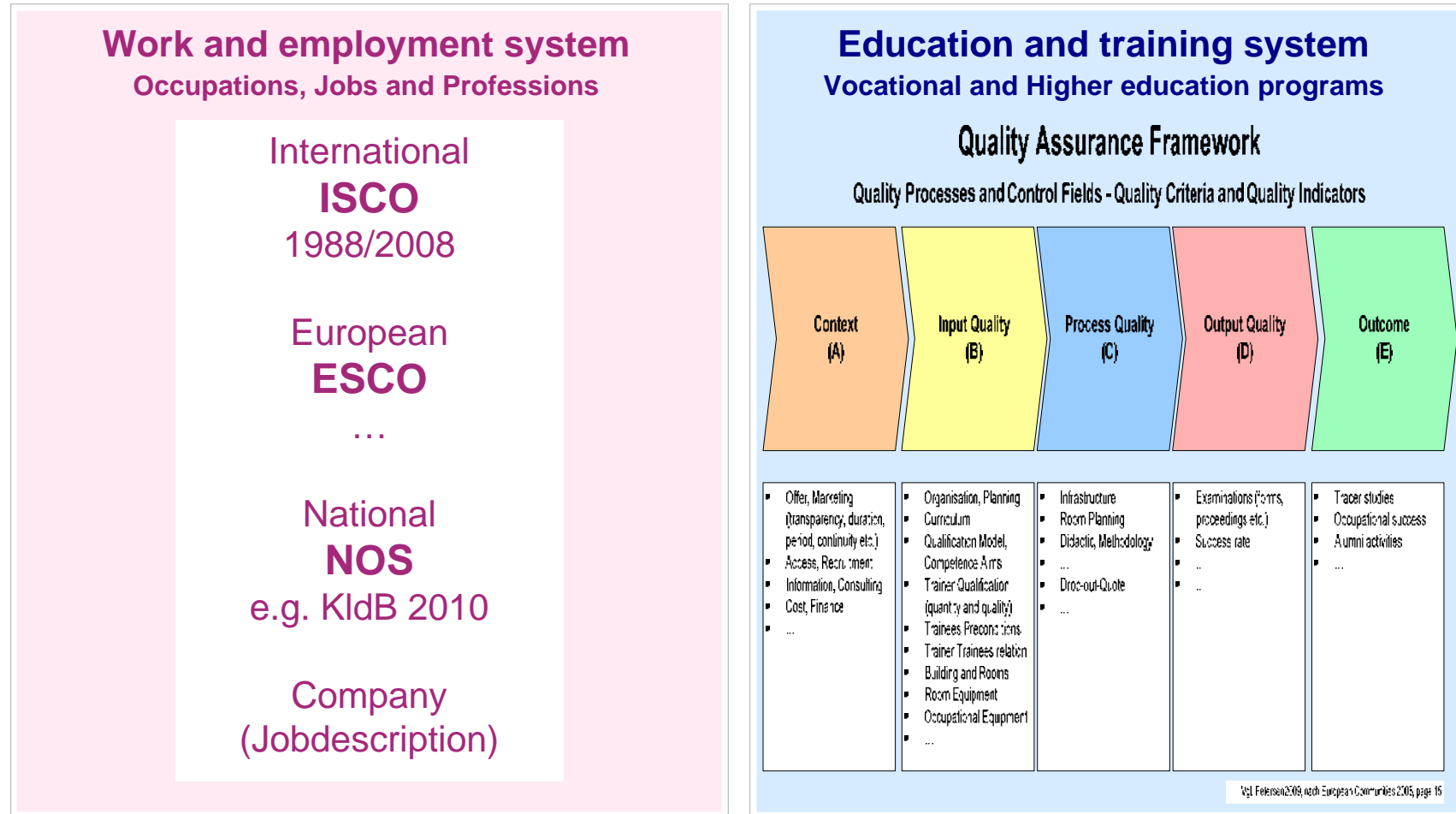
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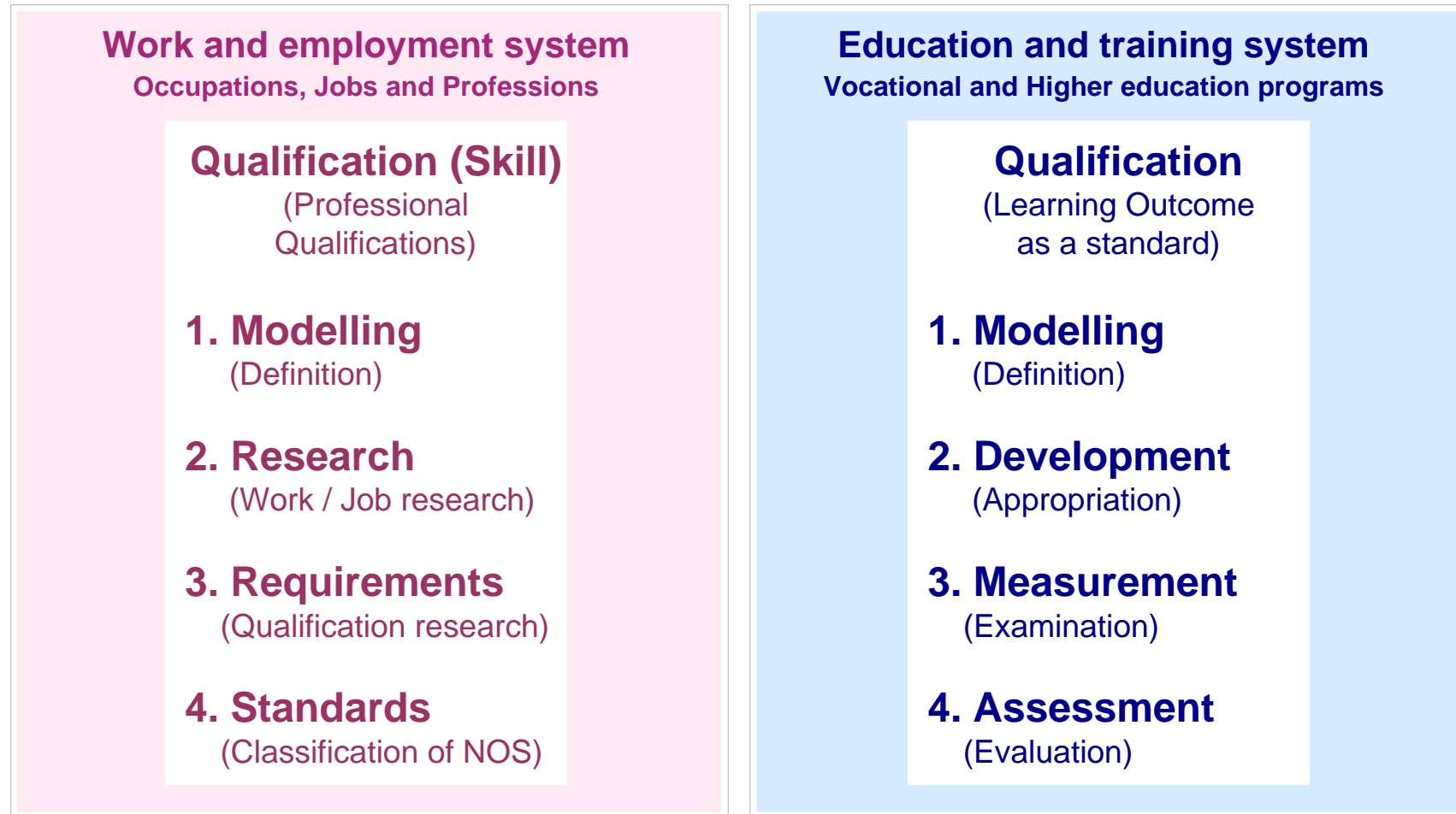


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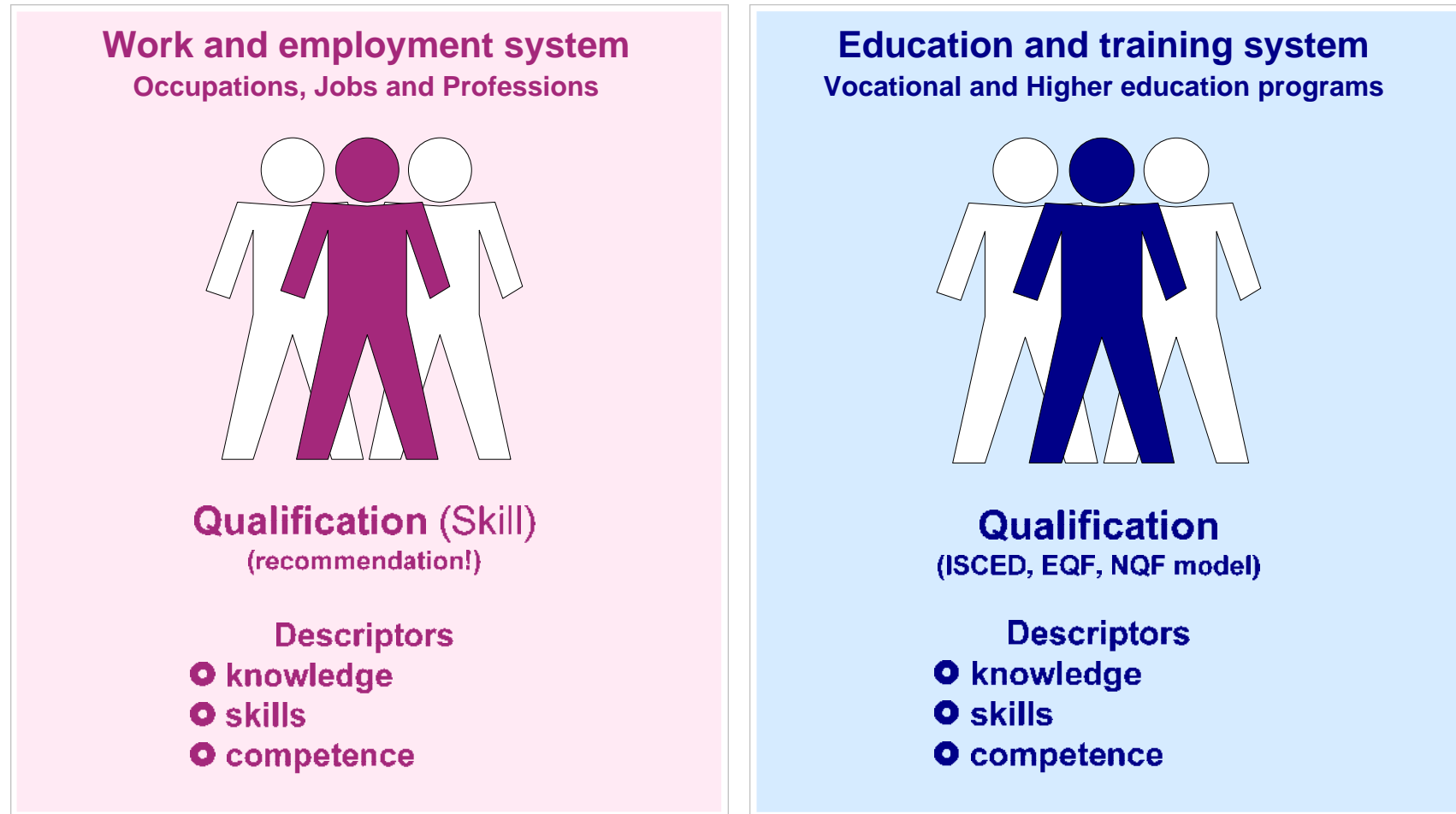




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# Does VET Qualifications fit into NQFs?

Qualifikation:  
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**Which locksmith qualifications are accomplished with VET?**

**Three qualification descriptors:**

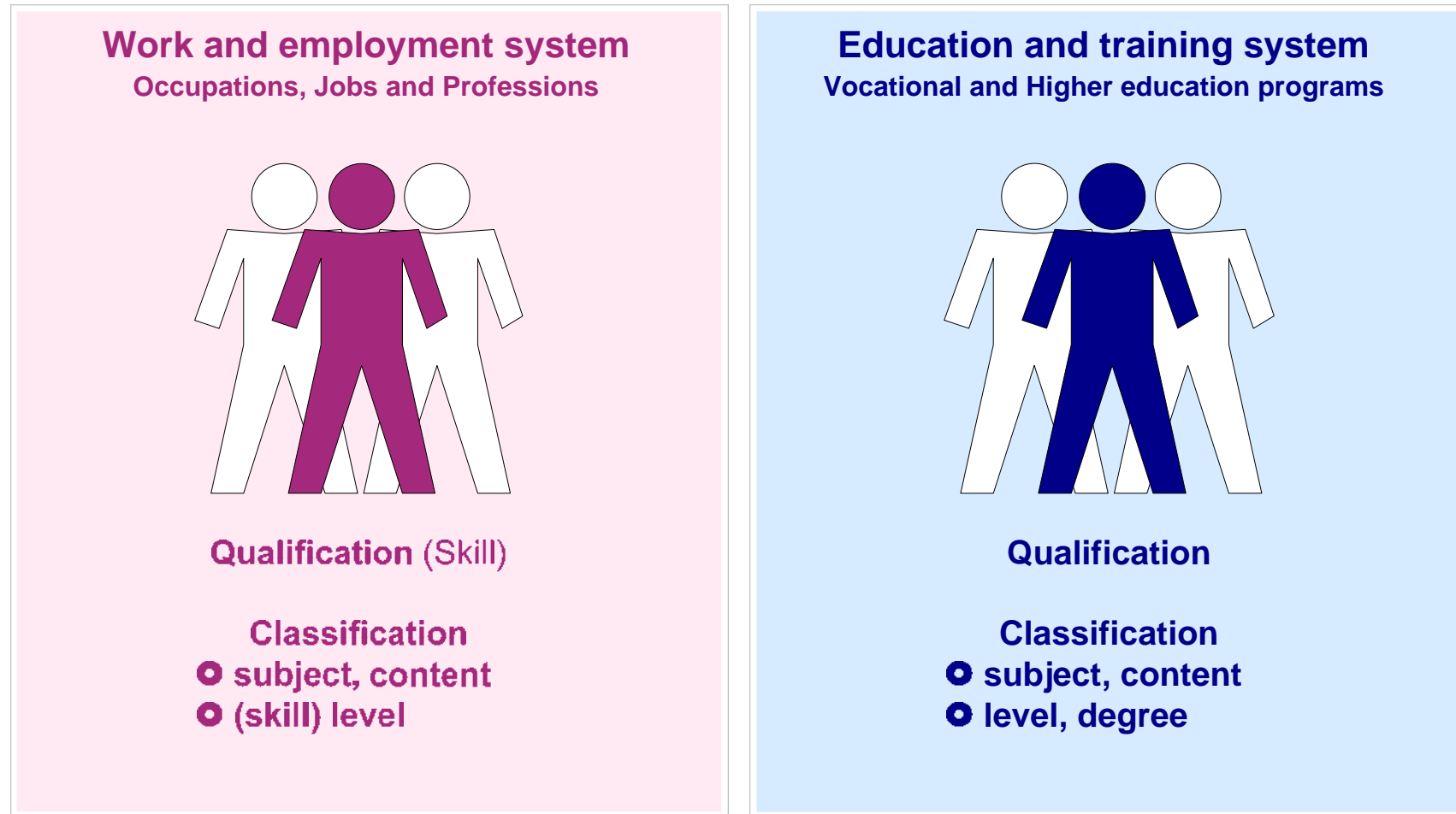
- knowledge of locksmith
- skills of locksmith
- competence of locksmith

**Recognition problem?**

More transparency and better international comparability and recognition of professional qualifications on e.g. EQF and NQF level 4



# Summery and Conclusion



# Summary and Conclusion



## Work and employment system Occupations, Jobs and Professions

International Standard Classification of Occupations (ISCO) 2008

ISCO SKILL LEVEL	4	<p>Professionals (e.g. Mathematicians, Architects, Engineers, etc.)</p>
	3	<p>Technicians and Associate Professionals (e.g. Construction Supervisors, Business Agents, etc.)</p>
	2	<p><b>Qualification (Skill)</b> (e.g. "Professional Qualifications", Operators, etc.) <b>(recommendation!)</b></p>
	1	<p><b>Descriptors</b></p> <ul style="list-style-type: none"> <li>● knowledge</li> <li>● skills</li> <li>● competence</li> </ul> <p>(e.g. unskilled labourers, etc.)</p>

cp. ISCO 2008

## Education and training system Vocational and Higher education programs

International Standard Classification of Education (ISCED) 2011

ISCED EDUCATION / QUALIFICATION LEVEL	8	<p>Tertiary education academic, professional, or unspecified</p>
	7	<p>Post-secondary non-tertiary academic or unspecified</p>
	6	<p>Secondary education academic or unspecified</p>
	5	<p>Lower secondary education general, vocational, or unspecified</p>
	4	<p><b>Qualification</b> <b>"Learning Outcomes"</b> <b>(ISCED, EQF, NQF model)</b></p>
	3	<p><b>Descriptors</b></p>
	2	<ul style="list-style-type: none"> <li>● knowledge</li> <li>● skills</li> <li>● competence</li> </ul>
	1	<ul style="list-style-type: none"> <li>● knowledge</li> <li>● skills</li> <li>● competence</li> </ul>

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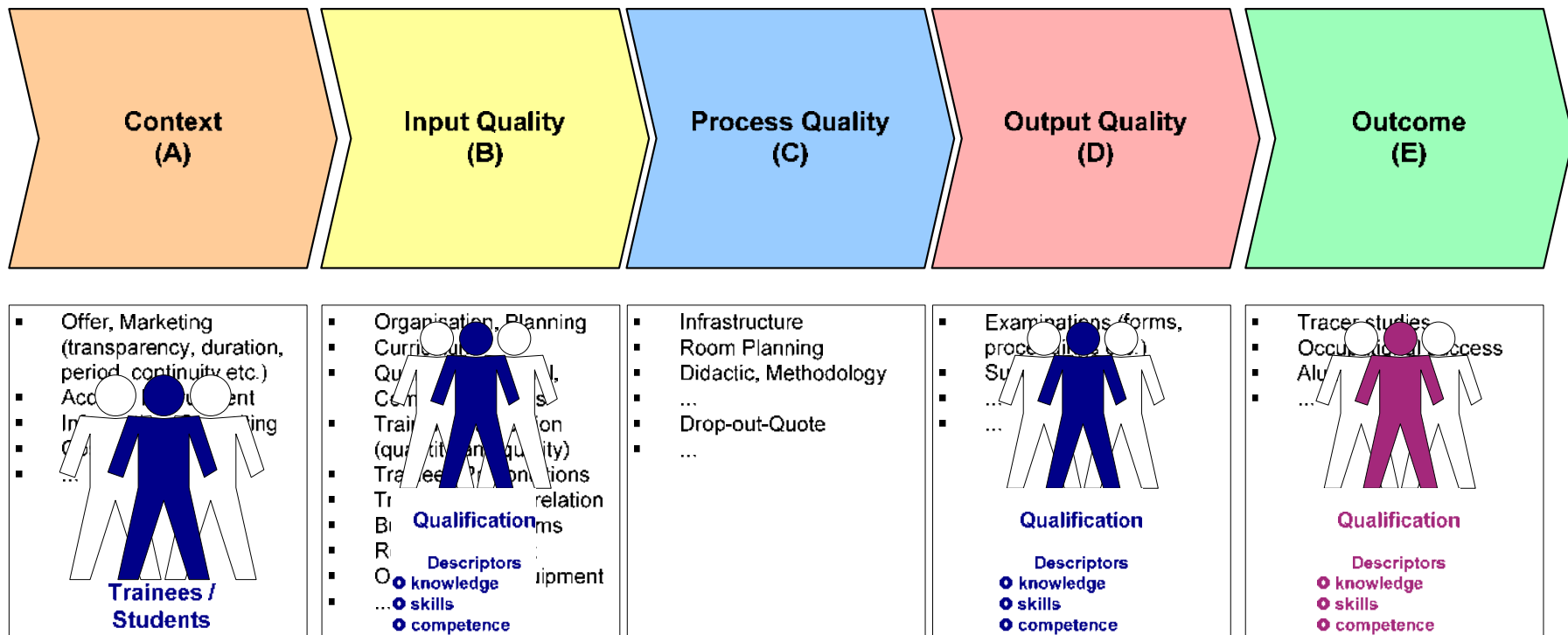


# Evaluation and Quality of Qualification programs



## Quality Assurance Framework

Quality Processes and Control Fields - Quality Criteria and Quality Indicators



Vgl. Petersen 2009, nach European Communities 2008, page 15



**Thank you very much  
for your kind attention!**

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