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Responsible partner	HTL		
Author	Markus Hagspiel		
Contributors			
Quality Reviewer			
Summary	Modular curriculum for EQF		
Project Coordinator	SBG		



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		6	Markus Hagspiel	Corrections after review	30.03.2023
		7	Ines Jeschke	Check corrections and additions, final version	21.04.2023



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Introduction

PSA curricula are curricula (teaching programs) based, on the one hand, on learning goal orientation and, on the other hand, on teaching by instruction.

The description of learning outcomes and learning outcome units (the WHAT) forms the multi-level qualification portfolio for EQF levels 1 to 6 (see WP3) and thus represent the basis for the implementation of the qualifications (the HOW). The developed **PSA curricula** (see WP4) contain the essential competences (contents) that are expected from the learners at the end of the qualification.

The learning content is basically taught in **theoretical and practical learning units (modules)**.¹

The **hours per module are guidelines** based on the national framework curricula. The courses and workshops of the PSA are basically designed to be usable in the labour market and are based on the guideline values.^{2 3 4}

Name and number of the UNIT

UNIT 1 – Measurement and calculation LA_U1-1	Responsibility and autonomy	to be trained / learned		Theory (professional training organisation)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able <ul style="list-style-type: none"> to properly apply the basic rules, regulations and methods of the various calculations. to analyze and assess received documents. to carry out calculations, compare, identify relationships. to delegate and control individual services for the calculations. to communicate with business partners. 	He / she knows <ul style="list-style-type: none"> the calculations required for work preparation and the implementation of services in the painting trade. the basic rules, regulations and components for the preparation of the following calculations: <ul style="list-style-type: none"> Measurement calculations Material calculations cost calculations 	He / she can <ul style="list-style-type: none"> read construction drawings, tables and graphics. present the numbers and calculations required for the billing in a clean, clear, unambiguous and clearly recognizable manner. describe and explain these basic rules, regulations, components and methods of the various calculations. create allowance calculations (determine masses / quantities). carry out material calculations (material requirements, productivity, layer thicknesses, consumption calculations, layer thickness conversion, determine material costs). prepare effort calculations (determine and document time requirements). formulate and describe simple calculations (differentiate between net and gross amounts, structure a price calculation, internet cost offers). 	rules, regulations and methods of the various calculations. Measurement rules.	50	Create measurements on site (mass determination)	100	
				Determine material calculations (demand, consumption, costs, visible thicknesses, conversions)	20	Carry out project-related material calculations	60	
				Effort calculations, simple calculations	45	Project-related simple preliminary and final costing	130	
SUM					115		290	

The course number is the number of a bookable course/workshop (see WP5).

Total hours per UNIT

¹ The example shows that the essential content is taught here in 3 modules:

- Module 1 = Rules ...
- Module 2 = Material calculations ...
- Module 3 = Cost calculations ...

² The individual modules basically consist of theoretical (yellow columns) and practical (red columns) learning units. For example, Module 1 here consists of a total of 150 hours (50 hours of theory and 100 hours of practice).

³ The individual modules can be further subdivided in terms of content and time into a variety of courses and/or workshops (see WP5).

⁴ If learners want to achieve a national vocational qualification, the national rules and regulations must be complied with (see WP1 and WP8).





Level 1 Overview total hours (Example: Austria ⁵)

UNIT	Responsibility and autonomy	to be trained / learned		Theory	Guideline in hours	Practice	Guideline in hours	Total hours	
		Knowledge	Skills						
L1_U1	UNIT 1 – Basic skills								440
	L1_U1-1 Language (native language)				120		---		
	L1_U1-2 Mathematics				120		---		
	L1_U1-3 Information technology basics				80		---		
	L1_U1-4 General knowledge				80		--		
	L1_U1-5 <i>Foreign language</i> – English				40				
L1_U2	UNIT 2 – Specific skills								840
	L1_U2-1 Place of work				40		40		
	L1_U2-2 Working safety				40		40		
	L1_U2-3 Environmental protection				40		40		
	L1_U2-4 Tools, machines, devices				40		80		
	L1_U2-5 Materials, materials, coating materials				40		120		
	L1_U2-6 Techniques, activities, processes				80		240		
SUM					720		560	1.280	

⁵ Here, using Austria as an example, the hours per module are shown, which are based on the Austrian framework curriculum. This file is supplemented by an overview of all hours per partner country (see excel file "PSA_WP4_dt+en_FINAL overview hours_Level 1_01.12.2022), because the scheduled hours can differ within Europe. In the excel file you can find the maximum and minimum hours for each partner country. The courses and workshops of the PSA are based on the guideline values and can deviate, depending on the learning objective.



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Level 1 – Basic qualification in the painting sector

	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 1 – Basic Skills L1_U1-1 Language (native language)	He / she is able to <ul style="list-style-type: none"> • apply basic language knowledge and skills, especially in a work context and under direct guidance. 	He /she knows <ul style="list-style-type: none"> • basic rules of spelling and marking. • basic reading comprehension strategies. • the common and socially recognized use of the language in the work area. 	He / she can with appropriate help <ul style="list-style-type: none"> • follow up on conversations made by others and play them back. • express yourself clearly, especially in telephone conversations. • read and play simple texts. • correctly write and use frequently occurring foreign and technical terms. • take in information and write it down in short texts (e.g. sticky notes). • complete prepared texts (form, report book). • carry out standardized texts (e.g. curriculum vitae, work report). 	Basis spelling and marking	40	---		
				Basic reading comprehension	40	---		
				Use of the language in the work area	40	---		
SUM					120	integrative	---	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 1 – Basic Skills L1_U1-2 Mathematics	He / she is able to <ul style="list-style-type: none"> apply basic math knowledge and skills in the context of work and under direct guidance. 	He / she knows <ul style="list-style-type: none"> the basic arithmetic operations of addition, subtraction, multiplication and division in the number range 100. common sizes and their practical fields of application. the basic concepts of geometric figures and bodies. the basic mathematical terms. the units of measurement required in the painting: kilogram (kg), gram (g), litre (l), millilitre (ml), meter (m), centimetre (cm), millimetre (mm), square meter (m²), and piece (St). 	He / she can with appropriate help <ul style="list-style-type: none"> calculate with simple numbers in your head. use the pocket calculator according to individual needs. carry out the basic arithmetic in the working field-related number range up to 100. indicate the units of measurement in a job-related context. solve simple mathematical facts and use practiced arithmetic methods. 	Basics mathematics related to the work	120	---	---	
SUM					120	integrative	---	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 1 – Basic Skills L1_U1-3 Information technology basics	He / she is able to <ul style="list-style-type: none"> • apply basic ICT knowledge and skills in the context of work and under direct guidance. • observe rights and obligations when handling your own and third-party digital data. 	He / she knows <ul style="list-style-type: none"> • the basics of information and communication technology (ICT). • the basic rules of data protection and copyright. 	He / she can <ul style="list-style-type: none"> • use the radio, television and smartphone. • operate machines and computers (hardware and software) with appropriate assistance. • start and end programs with appropriate help. • with the appropriate help, create and format simple texts in a word processing program and carry out a spell check. • print out texts with appropriate help. • search and find information on the Internet with appropriate help. • use networks (social media). 	Basics of information and communication technology (ICT)	64	---	---	
				Basic rules of data protection and copyright law	16	---	---	
SUM					80	integrative	---	



UNIT 1 – Basic Skills L1_U1-4 General knowledge	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able to <ul style="list-style-type: none"> develop strategies for action in order to be able to exercise their rights and duties as responsible citizens with the appropriate support. deal with your role as employees under direct guidance. treat people and the environment with respect with the appropriate support. 	He / she knows <ul style="list-style-type: none"> one's own role in society. your own strengths and weaknesses. the accepted and usual manners in the social group. the essential aspects to be considered when concluding contracts. the importance of work and employment for individuals in society. rights and duties of employers and employees. contact points and corresponding contact persons or confidants (advice centres, offices and authorities, confidants from the personal environment). the importance of environmental and climate protection for the future. 	He / she can <ul style="list-style-type: none"> with appropriate assistance, differentiate between work and private matters with appropriate support. list rights and obligations under direct guidance when concluding a contract (e.g. for a simple sales contract, mobile phone contract). decide with appropriate support for or against the conclusion of a contract (e.g. purchase contract, account). use accepted and customary manners in the social group with appropriate help. communicate understandably and politely under direct guidance and take part in group discussions. with appropriate help, assess your own strengths and weaknesses, present experiences and use them for known work. use job search methods under direct guidance. with appropriate assistance, state the difference between training and employment relationships. 	Action strategies for responsible citizens	40	---	---	
			Role as employee	8	---	---		



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			<p>He / she can</p> <ul style="list-style-type: none"> state the consequences of training and employment relationships with appropriate assistance (e.g. fixed-term, temporary work). describe environmentally conscious behaviour with appropriate help. 	Respectful treatment of people and the environment	32			
SUM					80	integrative	---	



UNIT 1 – Basic Skills L1_U1-5 Foreign language – English	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able to <ul style="list-style-type: none"> to read and reproduce linguistically simple texts with appropriate assistance. to make yourself understandable orally in a simple way with the appropriate help. write short messages under direct guidance. 	He / she knows <ul style="list-style-type: none"> the essential words of the basic vocabulary (approx. 300 words). 	He / she can <ul style="list-style-type: none"> understand and respond appropriately to simple instructions if given appropriate help. capture relevant details of short, also image-based reading texts, under direct guidance and with the help of word lists. briefly introduce yourself with appropriate help. 	Make yourself understood orally in a simple way and write short messages.	40	---	---	
SUM					40	integrative	---	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 2 – Specific Skills L1_U2-1 Place of work	He / she is able <ul style="list-style-type: none"> with appropriate assistance, to have an overview of the working field, to characterize individual occupations and main areas of activity. to set up the workplace properly with appropriate assistance and finally to restore the basic order. to reflect on their role and that of colleagues in the workplace as well as on criticism under guidance and appropriate support and to accept it. to communicate understandably and politely under direct guidance and work together with others. 	He / she knows <ul style="list-style-type: none"> his / her own work area and, with appropriate assistance, the associated tasks, rights and obligations. the accepted and usual manners in the work area. 	He / she can <ul style="list-style-type: none"> apply the usual manners in the work area with the appropriate assistance. organize your own work with appropriate support and under specified framework conditions and take responsibility for your own tasks. recognize problems at work, look for solutions and apply a suitable solution with direct assistance. describe your own abilities and use them for common work with appropriate support.. 	Overview of the working field and key activities	16	Overview of the working field and key activities	---	
				Workplace set-up	24	Workplace set-up	40	
SUM					40		40	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 2 – Specific Skills L1_U2-2 Working safety	He / she is able to <ul style="list-style-type: none"> recognize the need for safety at work and act responsibly with appropriate assistance. 	He / she knows <ul style="list-style-type: none"> safety rules and recognizes sources of danger at work. the need for accident prevention and health regulations and is ready to comply with them. the basic first aid measures. 	He / she can <ul style="list-style-type: none"> use simple safety measures to avoid dangerous situations. use personal protective equipment. observe accident prevention and safety regulations in the work process.. 	Safety rules and sources of danger in the workplace	16	Recognize sources of danger in the workplace	16	
				Accident prevention and health care	20	Apply accident prevention and health care	16	
				First aid measures	4	Observe first aid measures	8	
SUM					4		---	



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	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
UNIT 2 – Specific Skills L1_U2-3 Environmental protection	He / she is able to <ul style="list-style-type: none"> develop an awareness of the ecological problems of our time and, with appropriate support, to draw conclusions for one's own realities of life. 	He / she knows <ul style="list-style-type: none"> the interrelationships between the environment, work techniques and materials. the importance of material cycles. 	He / she can with appropriate help <ul style="list-style-type: none"> pay attention to economical and environmentally friendly use of energy and materials. avoid waste and separate recyclable materials. 	Economical and environmentally friendly use of energy and materials	20	Economical and environmentally friendly use of energy and materials in operations	20	
				Avoiding waste and separating recyclables	20	Avoiding waste and separating recyclable materials in the plant	20	
SUM					40		40	



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UNIT 2 – Specific Skills L1_U2-4 Tools, machines, devices	Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
		Knowledge	Skills					
	He / she is able to <ul style="list-style-type: none"> correct use and care of the tools, machines and devices required under direct guidance. 	He / she knows <ul style="list-style-type: none"> the most important job-specific tools, machines, devices and assigns them to their area of application. the maintenance measures for tools, machines and devices. 	He / she can under direct guidance <ul style="list-style-type: none"> select tools, machines and devices taking into account the material and processing method. clean and care for tools, machines and devices. 	Select tools, machines and equipment	32	Select tools, machines and equipment	56	
				Cleaning and maintaining tools, machines and equipment	8	Cleaning and maintaining tools, machines and equipment	24	
SUM					40		80	



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Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
	Knowledge	Skills					
He / she is able <ul style="list-style-type: none"> with appropriate assistance, to differentiate between different substrates, components and furnishings and to carry out simple work assignments. 	He / she knows <ul style="list-style-type: none"> the most important substrates, materials, coatings and materials. 	He / she can <ul style="list-style-type: none"> select materials, materials, coatings and aids for the work process under direct guidance. 	Selecting materials, coatings and auxiliary materials for the work process	40	Selecting materials, coatings and auxiliary materials in the work process	120	
SUM				40		120	



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Responsibility and autonomy	to be trained / learned		Theory (vocational training organization)	Guideline in hours	Practice (company)	Guideline in hours	Course No.
	Knowledge	Skills					
He / she is able to <ul style="list-style-type: none"> practice and carry out new activities in the field of work under direct guidance and assistance. 	He / she knows <ul style="list-style-type: none"> simple work techniques, activities and workflows in the painting. 	He / she can <ul style="list-style-type: none"> carry out simple work techniques (e.g. grinding) under constant framework conditions with appropriate assistance. 	Perform simple activities and work techniques	80	Perform simple activities and work techniques	240	
SUM				80		240	



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List of sources

Training courses for painters; Austrian Federal Economic Chamber (WKO), Vienna; <https://www.wko.at/branchen/gewerbe-handwerk/maler/ausbildungen-maler.html>; download: 09.03.2021

Framework curriculum for the training occupation of painter and varnisher; Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of 18.12.2020, Secretariat of the Standing Conference of the Ministers of Education and Cultural Affairs, Department of Vocational Education, Continuing Education and Sport; Berlin; berufsbildung@kmk.org; <http://www.kmk.org>; <https://www.kmk.org/themen/berufliche-schulen/duale-berufsausbildung/downloadbereich-rahmenlehrplaene.html>; download: 20.01.2021



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