R B

PSOND ERWIJS



Handbook for the practical training instructor for project guide 9

Going for the finish

THE ROC OR STUDENT CAN MAKE THIS 'GUIDE FOR THE PRACTICAL TRAINING SUPERVISOR' AVAILABLE TO THE PRACTICAL TRAINING SUPERVISOR

Handbook for the practical training instructor for

project guide 9

'Up-and-coming talents' (BPV 3)

> **Project** Going for the finish



Imprint

This publication was realised under the responsibility of the Stichting Consortium Beroepsonderwijs.

Managing Director and management team M. Wouters, A. van Beek, I. Rabelink

Development Team Leader G. van Beek

Development team Bakker, BCTI project management W. Slebus, ROC Nijmegen R. de Jong, ROC Landstede Harderwijk C. Otten, ROC Rivor Tiel P. Vrakking, ROC Rijn and Ussel Arnhem M. Starmans, ROC Albeda Rotterdam J. de Graaf, MBO Utrecht Utrecht H. de Geest. MBO Utrecht Theuns, ROC Tilburg R. van Herwijnen, ROC Tilburg Hendriks, ROC Midden Nederland Utrecht A. Papa, ROC Aventus Apeldoorn Gray, ROC Flevoland Almere C. Alberts, ROC Nijmegen R. Kassius, ROC Albeda Rotterdam W. de Wit. ROC Albeda Rotterdam T. de Vaal, ROC Zadkine Rotterdam M. van der Vlist, ROC Midden Nederland Utrecht

Editors H. Bakker and C. Alberts

Cover design Studio Blanche

Photos and images

Despite all of our efforts, it may be that the Consortium Beroepsonderwijs has not dealt with all of the copyrights of the illustrations included in this publication. If you believe you are the copyright owner of one or more of these illustrations, please contact the Consortium Beroepsonderwijs.

© 2017 Consortium Beroepsonderwijs

All rights reserved. Nothing from this publication may be reproduced, stored in an automated database or made public in any form or manner, including electronically, mechanically, by means of photocopies, recordings or any other manner, without the prior consent of the Consortium Beroepsonderwijs.

Contents

1. Introduction	4
2. Objective of the practical vocational training period	8
3. Practical training supervisor's role	10
4. Assessing the student	14
Appendices	18
Appendices 1 Key task 1 Basic component observation form	19
Appendices 2 Key task 2 Basic component observation form	20
Appendices 3 Key task 1 Profile component observation form	21
Appendices 4 Key task 2 Profile component observation form	22
Appendices 5 Project guide 6 (BPV-2) Interim evaluation form	23
Appendices 6 Project guide 6 (BPV-2) Final evaluation form	24
Appendices 7 Monitor PW 9	25

Introduction

Dear practical training supervisor,

This is the handbook as part of project guide 9. Project guide 9 supports the third 'Beroeps- Praktijk-Vorming' (BPV; practical vocational training) of the student in your company. The student avails of the project guide and during this period supplements a project dossier – or folder – with supporting documents. You can regularly ask him/her to inspect it.

The student receives training for Middle Management Engineering, Technician graduate profile. This requires theory, practical training and projects, as well as work-based learning.

This practical vocational training period is the final period of company training before the student enters the exam procedure.

As a practical training supervisor, you play a main role in this.

The student's training course is vocation-oriented, meaning that student development is central, instead of the subject matter. One objective of vocational-oriented training is that the training course is adapted to the corporate sector. This is why the ROC – more frequently now than in the past – includes the corporate sector in the training course and the qualification of the student. All years include a practical vocational training period as part of the training course.

Being competent is the ability to deploy the required professional knowledge, skills and attitude to work at the correct time to properly carry out the work.

During the practical vocational training period of this third year, the student focuses on gaining in-depth knowledge about his/her profession and on the practical preparation to his/her exam.

This means that the student must learn how to:

- Acquire and apply knowledge in his/her field of expertise
- Expand skills in his/her field of expertise and apply them
- Develop and deploy the required professional attitude

The SBB knowledge centre has developed a 'Middle management Engineering' qualification dossier, in which the corporate sector and government requirements have been taken into account. This qualification dossier includes the requirements the student must comply with by the end of the training course. There are references to Key tasks (main tasks) of the future middle management official and Work processes (work he/ she carries out).

Then the knowledge, skills and behaviour were established which must be developed for each key task to be able to successfully carry out the work.

In this third practical vocational training of his/her training course (year 3), the student will gain in-depth information about his/her future profession. He/she will make conscious choices concerning the work he/she wants to carry out during the practical vocational training to move forward in the profession. In relation to this, he/she also makes conscious choices for the execution of Key tasks and Work processes according to the qualification dossier. This practical vocational training session is the final one prior to the exam procedure.

You best call on the student concerning choices and responsibilities, taking into account that he/she is still learning and thus permitted to make mistakes.

Above all, you can contribute to the reinforcement of his/her enthusiasm for the specialisation decided on.

Good luck!

2. Objective of the practical vocational training period

The objective of the practical vocational training periods is to allow the student to practise in a professional setting in addition to the learning activities at the ROC. He/she thus experiences and develops the required skills, knowledge and professional attitude in practice.

In this third year, the student works at the level of complexity C, meaning that he/she:

- works on an extensive project;
- works in a professional environment that is less clear and surveyable for him/her;
- carries out the project independently under decreasing supervision.

12The objective of this third practical vocational training period is to explore the profession. The student has consciously decided on his/her specialisation and wishes to explore actual practice. In addition, this period serves as a preparation for the practical part of the exam.

This project guide helps the student with the following objectives:

- Acquire practical skills in the selected field of expertise.
- Experience what working in this field of expertise entails.
- Establish his/her place in the organisation and recognise functions, roles and responsibilities in a company.
- Investigate the roles and responsibilities that suit him/her.
- Investigate the organisation he/she works in, as well as the work climate or corporate culture, and whether this suits him/her.
- Investigate whether personal knowledge, skills and attitude (competences) are useful for carrying out work (work processes) in a company.
- Investigate the knowledge, skills and professional attitude (competences) he/she must develop during the training course.
- Investigate whether and how the company works on the basis of projects.
- Acquire motivation for the specialisation he/she has decided on.

During this practical vocational training period, the student is required to submit the following products to the ROC supervisor. He/she first submits them to you to be checked. Upon your approval, the student sends them to their ROC supervisor:

- Practical vocational training location address
- Final plan for practical vocational training work
- Weekly reports
- Interim evaluation/assessment form (completed)
- Report on the business administration investigation
- Report about the technical investigation
- Report about the career investigation
- Report about the visit of the ROC practical vocational training supervisor
- Practical vocational training report (final)
- Presentation about the company, the work and learning experiences
- Hand-outs presentation
- (Optional: script/highlights presentation in English)
- The reflective report

3. Practical training supervisor's role

During the application, the student has agreed on the work/work processes he/she can carry out for you.

Because you supervise the student, the following is expected from you:

Supervising and training the student

This is the third time the student acquires experience in a company, but it is nonetheless important that you look after him/her well, ensure an emotionally safe working environment and allow him/her to count on your supervision.

You will see the student working on a daily basis, so you can observe what goes well and what requires improvement. As a practical training supervisor, you encourage the student to develop knowledge, skills and a proper professional attitude. You can also provide the student with instructions, demonstrate activities, impart knowledge and encourage him/her to learn and develop or have a colleague do this.

As a practical training supervisor, you are not alone in your task of supervision and training. The student also has a supervisor at the ROC you can contact any time. This ROC practical vocational training supervisor will come to visit you at least once during this period to discuss the student's progress.

The visit may go as follows:

- 1. You and the student receive the practical vocational training supervisor.
- 2. The student gives a short tour of the department.
- 3. The student shows the work he/she is doing.
- 4. The student and practical vocational training supervisor discuss progress.
- 5. The student, you and the practical vocational training supervisor discuss progress.
- 6. You can opt to have a subsequent discussion with the practical vocational training supervisor.

Providing suitable work

Because during this practical vocational training period the student wishes to gain in-depth information in the practical aspects of his specialisation, we propose that you have him/her carry out as much work (work processes) as possible independently. Preferably provide the student with instructive work that is also useful for your company. In addition, it is important that you provide him/her with optimum opportunity to integrate in your company.

You may take into account that this is the third work experience in this student's technical education. Call on and challenge him/her to think and act on a middle management level.

Supervise in gaining in-depth information in the professional practice of the field of expertise

An important objective for the student is to gain in-depth information about the options in the mechanical engineering field of expertise.

Consider the professional options in relation to maintaining mechanical, pneumatic and hydraulic drives, carrying out production techniques and complying with working conditions and environmental legislation.

In this third year, it becomes increasingly important for the student to gain in-depth information about the functions and responsibilities he/she might one day occupy or have.

Support in activities for the ROC

Using project guide 9, the ROC requires the student to submit various products. The idea is for the student to gain in-depth information about his profession and to become acquainted with the business environment in the execution of his/her work. We expect you to support the student and provide him/her with the space and opportunity to carry out these assignments.

It would be perfect if you could have the student carry the work out in a manner that they become good learning activities. You can also encourage the student to complete weekly reports, write a business research report or prepare a presentation about your company and the work he/she has carried out.

We recommend you to go through the project guide with the student on a regular basis. This is beneficial for the development of the student.

Assessing the student

Finally, we expect you to evaluate with the student on a regular basis and assess his/her performance. Let him/her demonstrate the conscious execution of the work processes from the key tasks he/she has decided on. This allows him/her to practise his exam procedure because this is what will be expected from him/her by then. Halfway and by the end of the practical vocational training, the student will submit an evaluation/assessment form to you.

Please refer to the next chapter for more information about assessment.

4. Assessing the student

Assessment steps

- 1. You establish which of the four key tasks below the student works on or has worked on:
 - 1. Designing a project (also refer to appendix 1)
 - 2. The work preparation for realising a project (also refer to appendix 2)
 - 3. The execution or realisation of the project (also refer to appendix 3)
 - 4. The after-care, service and maintenance of a project (also refer to appendix 4)
- You establish the work processes of the key task the student works or worked on. You assess the student for these work processes only (also refer to appendices 1 through 4)
- 3. You assess the student as per work process for the adequate execution. You do this by providing an assessment for each work process.
 - 1. The main thing is that the products or installations the student makes as per your order comply with the requirements you have set.
 - 2. You assess through observation whether the student has acted adequately during the realisation of the products or installations (you may use appendix 1 through 4 as a support for this assessments).
- 4. You establish the final assessment for each work process based on the consideration that the quality of the products is very important and enter this assessment on the evaluation forms you receive from the student.

Assessment of products

You will assess the products or installation the student produced for you. Based on your instructions, demands and agreements, assess with a:

- $\mathbf{U} = unsatisfactory$
- $\mathbf{S} = satisfactory$
- $\mathbf{G} = \text{good}$

Take into account that this is the third practical vocational training with complexity C. This is not a final assessment of the training course.

The student will have the products he/she is to submit to the ROC signed by you first. We do not expect you to mark these products or similar, but we do expect you to check whether the contents are correct. You can also provide the student with support by taking these products to a higher level. The ROC supervisor will assess these products.

Assessing behaviour

To assess the extent of appropriate actions by the student for each work process, the quality of the product the student creates is the main input. The main thing for the assessment is that the product he/she produces complies with the client's requirements. This product should actually be evaluated as no less than satisfactory for the student to receive a satisfactory score.

The quality of products and his/her behaviour are taken into account in order to assess the extent to which the student acts adequately. As a consequence of this behaviour, the student's final assessment may be assessed as unsatisfactory up to good. In order to objectively establish the student's behaviour, you must take into account the performance indicators for each work process as formulated by the SBB knowledge centre. Also take into account the student's attitude to work and the deployment of knowledge and skills. The performance indicators and the attitude to work, the knowledge and skills have been included in the observation forms in appendix 1 through 4 for your support.

The final assessment is evaluated with U - S - G.

U = Demonstrated as unsatisfactory

The desired result/the product delivered is unsatisfactory and/or the student has demonstrated the desired behaviour insufficiently and/or the student has deployed insufficient knowledge and/or skills.

S = Demonstrated as satisfactory

The desired result/the product delivered is sufficient and the student has demonstrated the desired behaviour and has deployed sufficient knowledge and skills.

G = Demonstrated as good

The desired result/the product delivered is sufficient or good. The student's behaviour is above average and/or the student has deployed knowledge and skills to a higher than average standard.

Final assessment

The student will provide an **interim and final evaluation form** you can use to enter your assessment of that moment. If your assessment is 'demonstrated as unsatisfactory', it is important for you to explain this poor assessment under 'comments'. The ROC practical vocational training supervisor will include these results in the student's complete assessment overview.

Level of complexity

When assessing the student, you may take into account that the student is in the third year of his/her training course and that this is the third practical vocational training period.

Level of	Year	Characteristics
complexity		
А	1	The student works on a simple project.
		He/she does this in a professional environment that is clear and
		surveyable for him/her.
		He/she carries things out independently where possible but requires
		considerable supervision.
В	2	The student works on a simple yet extensive project.
		He/she does this in a professional environment that is clear and
		surveyable for him/her.
		He/she carries this out independently under decreasing supervision.
С	3	The student works on an extensive project.
		He/she does this in a professional environment that is less clear and
		surveyable for him/her.
		He/she carries this out independently under decreasing supervision.
D	4	The student works on an extensive project.
		He/she does this in a professional environment that is complex for him/
		her.
		He carries this out independently with remote supervision.

During the training course, we distinguish four levels of complexity when assessing:

The assessment of all of the student's activities during this third practical vocational training is according to level of complexity C. This is not a final assessment of the training course.

Appendices

Observation form for practical training supervisors Engineering middle management

Key task BI-KI Designs products or systems					
Work process	Behavioural characteristics	knowledge and skills	U - S - G		
ting and in data	The engineering technician collects and analyses design data thoroughly and according to meaning. He/she combines various types of data from various sources into the correct and complete design data.	The starting professional: has extensive knowledge of the company's quality system and quality requirements; has extensive knowledge of the company's			
Collec 5 desi	The A3:D16 lists the customer's requirements in relation to the options available.	common technical terms in the trade; can read English instructions; can read technical drawings			
-K1-W1 orocessin	The technician presents design data to the customer and manager to establish whether they are complete and correct.	and diagrams.			
B1 7	The technician processes and records the design data according to the applicable company regulations.				
ing out	The technician adapts the possibilities and impossibilities of the design with internal and/or external employees in good time and on a regular basis.	The starting professional: has extensive knowledge of the company's quality system and quality requirements;			
1-W2 Work designs	The technician takes in information concerning occupation-specific spatial and design requirements, understands constructions and demonstrates technical insight in the elaboration of designs.	has extensive knowledge of the organisation's (company's) trade, products and services; can read technical drawings and diagrams; can create and adapt drawings; has field of activity-related			
B1-K	The technician creates a design according to proven methods and guidelines.	professional knowledge and skills.			
B1-K1-W3 Selecting materials and parts	Based on the design, quality and price, the technician establishes the proper choice for materials and parts.	The starting professional: has extensive knowledge of the company's quality system and quality requirements; can employ modern means of communication; has extensive knowledge of the materials and resources applied in the work; can read technical drawings and diagrams; has field of activity-related professional knowledge and skills.			
uting the	The technician consults a department or departments to collect the proper cost estimation data.	The starting professional: can employ relevant instructions and procedures; has extensive			
4 Creé tion of sts	The technician consults with his manager about feasible agreements in relation to realisation costs.	knowledge of the materials and resources applied in the work; has extensive knowledge			
B1-K1-W a calculat cc	The technician records calculations of the costs and agreements in relation to product realisation according to company guidelines.	of the company's quality system and quality requirements; has extensive knowledge of the organisation's (company's) trade, products and services.			

Appendices 2 Key task 2 Basic component observation form

Observation form for practical training supervisors Engineering middle management				
	Key task E	31-K2		
Work process	Work Behavioural characteristics knowledge and skills			
1 the ss	The technician communicates complete, accurate and updated planning reports with those involved.	The starting professional: has extensive knowledge of the company's quality system and		
31-K2-W [*] pervising ork proce	The technician takes action towards employees if the work does not keep to schedule or if rules and procedures are deviated from.	quality requirements; has field of activity-related professional knowledge and skills.		
Suj B V	The technician records data in a complete, accurate and updated schedule report.			
72 the	The technician coordinates deviations from the budget before taking action.	The starting professional: has extensive knowledge of the materials and resources applied in the work;		
-K2-V itoring oudget	The technician ensures complete and accurate reports about the work progress in relation to the budget.	has extensive knowledge of the company's quality system and quality requirements.		
B1 Mon Ł	The technician uses his/her understanding of commercial matters to present proposals for cost control.			
2-W3 out quality ctions	The technician clearly indicates to others how the work is to be carried out in compliance with the applicable regulations, procedures and agreements and takes action if employees do not comply with the expectations set.	The starting professional: has extensive knowledge of the company's quality system and quality requirements; has extensive knowledge of relevant occupational health and safety,		
B1-K3 Carrying o inspe	According to the company's quality requirements, the technician accurately records how standards, regulations and quality requirements have been met.	brding to the company's quality requirements, the nician accurately records how standards, regulations quality requirements have been met. security, environmental and company regulations; has extensive knowledge of relevant laws and regulations; has field of activity-related professiona knowledge and skills.		
<2-W4 ring work	The technician carefully checks whether the specifications and requirements of the customer have been met, takes complaints from customers seriously and takes action if required.	The starting professional: has extensive knowledge of the organisation's (company's) trade, products and services; has extensive knowledge of organisational/company cultures; has field of		
B1-I Delive	The technician reports the acceptance of the work by the customer accurately and according to company guidelines.	activity-related professional knowledge and skills.		

Observation form for practical training superviso	rs
Engineering middle management	

	Key task PI-KI			
Work process	Behavioural characteristics	knowledge and skills	U - S - G	
1-K1-W1 Collecting and processing production data	The technician analyses the available production data thoroughly, finds out what the meaning of the data is and combines various types of data from various sources. The technician coordinates the production data with experts, the manager and the customer in good time and on a regular basis. The technician processes and registers the production	The starting professional: has extensive knowledge of the company's quality system and quality requirements; has extensive knowledge of the materials and resources applied in the work; can read English instructions; can read technical drawings and diagrams.		
P1-K1-W2 Creating a drawings	data according to the applicable company regulations.The technician coordinates the contents and extent of detailing with the manager and/or executive.The technician takes in information concerning occupation-specific, spatial and design demands, understands constructions and shows technical insight and dexterity when drawing.The technician creates a drawing/set of drawings according to customer specifications, standards, safety regulations and company guidelines.	The starting professional: has extensive knowledge of the company's quality system and quality requirements; has extensive knowledge of the organisation's (company's) trade, products and services; can read technical drawings and diagrams; can create and adapt drawings; has field of activity-related professional knowledge and skills.		
P1-K1-W3 Organising people and resources	The technician maps activities, required people, materials and resources in good time and classifies the amounts in numbers and units, including specifications if required. The technician ensures that the activities are well-adapted, taking into account the circumstances and priorities, and records this in a realistic work schedule. You consult and make agreements with the parties involved in the work in good time. The technician processes and registers planning data according to applicable company rules.	The starting professional: can employ modern means of communication; has extensive knowledge of relevant occupational health and safety, security, environmental and company regulations; has extensive knowledge of the materials and resources applied in the work; has extensive knowledge of the company's quality system and quality requirements; can read English instructions; has field of activity-related professional knowledge and skills.		

Work

process

Observation form for practical training supervisors Engineering middle management		
Key task P1-K2		
Performance indicator attitude to work to be deployed, kn skills	owledge and	
The technician actively lists the customer's wishes and requirements and focuses on complying to as many of knowledge of the company's quality	ive system and	

U - S - G

vises the cts and	The technician actively lists the customer's wishes and requirements and focuses on complying to as many of them as possible.	The starting professional: has extensive knowledge of the company's quality system and quality requirements; has extensive knowledge of	
V1 Super of produ systems	The technician assigns tasks taking into account the capacities of those involved and provides clear instructions.	relevant occupational health and safety, security, environmental and company regulations; has extensive knowledge of measuring and monitoring tools; can read technical drawings and diagrams; has field of activity-related professional knowledge and skills.	
P1-K2-V testing	The technician reports completely and accurately about the maintenance status and the management of products and systems.		
the ance	The technician actively lists the customer's requirements and complaints and focuses on complying with them as much as possible.	The starting professional: has extensive knowledge of the company's quality system and quality requirements; has extensive knowledge of	
ervises aintena ents	The technician arranges for the right people and resources to maintain products and systems.	relevant occupational health and safety, security, environmental and company regulations; has	
-W2 Sup tion of m assignme	The technician transfers knowledge and expertise with regard to the maintenance of products and systems in an understandable manner.	extensive knowledge of the materials and resource applied in the work; has extensive knowledge of measuring and monitoring tools; has extensive	
P1-K2 execui	The technician safeguards the quality and productivity according to the quality requirements set and identifies and reports deviations in good time.	can read technical drawings and diagrams; has field of activity-related professional knowledge and skills	

Appendices 5 **Project guide 6 (BPV-2) Interim evaluation form**

CONSO RTIUM BEROE PSOND ERWUS	Project g	guide 6 (BPV-2) Interim evaluation form	
Name of the student:		Signature:	
Name of the	e training supervisor:	Signature:	
Practical vo	cational training company:		
Name of the	e project supervisor:	Evaluation date:	
Practical vo	cational training period:	From: Until	
Evaluate o	nly the behavioural characteristics as par	t of the key tasks and work processes that have actually been ca	rried out
Middle	Management Engineering Me	chanical engineering	Complexity B
Key task	Work process	Description (Knowledge/skill/behavioural characteristics)	U - S - G
	B1-K1-W1 Collects and processes design	Collecting and analysing design data	
sms	data	Combining various types of data	
yste		Listing the customer's requirements	
or s'		Recording data with the customer and manager	
cts o		Processing and registering design data	
que	B1-K1-W2 Elaborates designs	Adapting design possibilities and impossibilities	
pro		Including information about spatial and design requirements	
sus		Creating a design	
Desig	B1-K1-W3 Selects materials and components	Selecting materials and resources	
ž	B1-K1-W4 Formulates a calculation of the	Collecting cost estimation data	
B1.	COSTS	Submitting realisation costs	
		Recording calculations of the costs and agreements	
	P1-K1-W1 Collects and processes production data	Analysing available production data	
×		Adapting production data with experts	
vor		Processing and registering production data	
es /	P1-K1-W2 Creates a drawing/set of	Adapting the drawing with a manager	
spar	urawing.	Showing technical insight	
Pre		Creating a drawing	
ž	P1-K1-W3 Organises people and resources	Mapping required people and resources	
F		Adapting activities	
		Consulting and making agreements	
		Processing and registering planning data	
	B1-K2-W1 Supervises the work process	Communicating planning reports with people involved	
or X		Undertaking action in the case of deviation from the schedule	
s «		Recording data in the planning report	
/ise	B1-K2-W2 Monitors the budget	Coordinating deviations of the budgets	
Jen		Ensuring progress reports	
Sul	P1 K2 W/2 Carries out quality inspections	Presenting proposals in relation to cost control	
<u>8</u>	BT-R2-W3 Cames out quality inspections	Projectoring according to quality requirements	
B1-	B1-K2-W4 Delivers the work	Verifying the customer's requirements	
	DI-NZ-WY DEIVERS THE WORK	The customer's acceptance of the work	
	P1-K2-W1 Supervises the testing of	Listing the customer's requirements	
s: K	products and systems	Allocating tasks	
vise wo		Proceeding tasks	
per		Reporting the maintenance status	
Su Su	PI-K2-VV2 Supervises the execution of maintenance assignments	Listing the customer's requirements	
-K2 inte		Ensuring the proper materials and resources	
P1 ma		Transferring knowledge and expertise	
		Safeguarding quality requirements and productivity	

Product evaluations and/or comments:

Appendices 6 **Project guide 6 (BPV-2) Final evaluation form**

CONSO RTIUM BEROE PSOND ERWIJS	Project	guide 6 (BPV-2) Final evaluation form	
Name of the	e student:	Signature:	
Name of the	e training supervisor:	Signature:	
Practical vo	cational training company:		
Name of the	e project supervisor:	Evaluation date:	
Practical vo	cational training period:	From:	
Evaluate o	nly the behavioural characteristics as par	t of the key tacks and work processes that have actually been carri	ad out
Middle	Management Engineering Me	chanical engineering	Complexity B
Innaare		Description	
Key task	Work process	(Knowledge/skill/behavioural characteristics)	U - S - G
	B1-K1-W1 Collects and processes design	Collecting and analysing design data	
sma	data	Combining various types of data	
yste		Listing the customer's requirements	
or s		Recording data with the customer and manager	
cts		Processing and registering design data	
npc	B1-K1-W2 Elaborates designs	Adapting design possibilities and impossibilities	
brd		Including information about spatial and design requirements	
gus		Creating a design	
. Desi	B1-K1-W3 Selects materials and components	Selecting materials and resources	
Ϋ́	B1-K1-W4 Formulates a calculation of the	Collecting cost estimation data	
19	COSIS	Submitting realisation costs	
		Recording calculations of the costs and agreements	
	P1-K1-W1 Collects and processes production data	Analysing available production data	
논		Adapting production data with experts	
Ň	D4 K4 M/2 Creater a derivity of attack	Processing and registering production data	
res	drawings	Adapting the drawing with a manager	
epa		Showing technical insight	
P P	P1 K1 W2 Organizes people and recourses	Creating a drawing	
Ϋ́-	PT-KT-WS Organises people and resources	Adapting activities	
P		Consulting and making agreements	
		Processing and registering planning data	
	B1-K2-W1 Supervises the work process	Communicating planning reports with people involved	
~		Undertaking action in the case of deviation from the schedule	
vorl		Recording data in the planning report	
es v	B1-K2-W2 Monitors the budget	Coordinating deviations of the budgets	
rvis	, i i i i i i i i i i i i i i i i i i i	Ensuring progress reports	
adn		Presenting proposals in relation to cost control	
2. S	B1-K2-W3 Carries out quality inspections	Indicating how the work is to be carried out	
¥ _		Registering according to quality requirements	
è	B1-K2-W4 Delivers the work	Verifying the customer's requirements	
		The customer's acceptance of the work	
	P1-K2-W1 Supervises the testing of	Listing the customer's requirements	
ses ork	products and systems	Allocating tasks	
e w		Reporting the maintenance status	
ance	P1-K2-W2 Supervises the execution of	Listing the customer's requirements	
(2 S teni	maintenance assignments	Ensuring the proper materials and resources	
1-k lain		Transferring knowledge and expertise	
μE			
		sateguarding quality requirements and productivity	

Product evaluations and/or comments:

CONSO RTIUM BEROE PSOND ERWUS	Monitor PW 9 Up-and-coming talents BPV-3				
STUDENT:	STUDENT NUMBER:				
Subject:		Central Register of Vocational Courses:			
Middle	manageme	nt Engineering Level of complexity C			
Key task	Work process	Project phases and products	Teaching format	Assessors	Score U-S-G or 1 through 10
		Orientation			
	B1-K1-W1	'Selection of the key task' report	ind	subject	
su		Designed project dossier	ind	subject	
ster					GO/NO GO
r sy		Definition			
ts o	B1-K1-VV1	E-mail including a substantiated company choice	ind	subject	
duc		A plan of action	ind	subject	
bro		Appointment confirmation for the interview	ind	subject	
l su:			ind	subject	
esig			ind	subject	
		Design			
¥ -	B1-K1-W2	Not applicable			
B B	B1-K1-W3	Not applicable			
	B1-K1-W4	Not applicable			
					GO/NO GO
		Work preparation			
ares	P1-K1-W1				
z Ep	P1-K1-W2				
- Р МО		Report of the interview	ind	subject	
¥ Ľ	P1-K1-W3	Undersigned practical vocational training agreement	ind	subject	
۲.		Copy of the VCO certificate	ind	subject	
		Poplication			GO/NO GO
	B1-K2-W1	Realisation			
	B1-K2-W2	Weekly reports	ind	subiect	
	B1-K2-W3				
×		Final Plan for practical vocational training activities	ind	subject	
NOI		Completed interim evaluation form	ind	subject	
ses		Completed Practical vocational training visit form	ind	subject	
ervi		Updated Practical vocational training location data form	ind	subject	
np					GO/NO GO
5.		Delivery			
- K	B1-K2-W4	Handout presentation	ind	pro	
		Practical vocational training report	ind	subject	
		Completed final evaluation form	ind	subject	
		Supporting documents for the training company descior	ind	subject	
		Supporting documents for the training company dossier	ind	subject	
~		After-care/evaluation			00/110/00
ises vork	P1-K2-W1				
v ac	P1-K2-W2	Undated Project dossier	ind	suhiect	
Sup		Complete set of weekly reports	ind	subject	
-K2 ntei		The reflective report	ind	subject	
P1 mai			iiiu	subject	GO/NO GO