

QUALIFICATIONS AND SKILLS IDENTIFICATION QUESTIONNAIRE



METVET

JOINT HIGHER VET COURSE IN THE METAL SECTOR



INTRODUCTION

A transnational partnership of VET-providers and stakeholders is running a European project in the framework of ERASMUS+, called:

“METVET – Creating a joint higher VET course in the Metal Construction Sector”

Partner’s from Belgium, Germany, Greece and Italy pursue the goal to upgrade qualifications of metal workers in small and medium sized enterprises (SME) to the capacity to help to achieve the European Climate goals. “Metal Construction Sector” in this context means companies, which manufacture, assembly and repair Aluminium and other metal-constructions. It includes manufacturing and applying doors, windows, locking and security systems, metal roofing and metal facades etc. as part of the construction sector.

The following questionnaire is prepared to rank the knowledge and skills needed for working in the metal construction sector as a skilled worker with a considerable responsibility and autonomy in work with respect to customer and environment, looking to

fulfil European climate goals the best as possible:

- Avoid production of greenhouse gas,
- use of renewable energy and
- save energy.

As result the METVET-partnership will create a “Joint Higher VET course” consisting of short joint modules for qualification, with prepared materials and guidelines for realization, to be used by companies as well as by VET providers to upgrade worker’s qualifications.

„Higher VET- course“ means here, the upgrading of skilled experienced workers from level IV European Qualifications framework EQF to level V. (EQF-levels indicate the degree of autonomy, responsibility, personal and social competence an employee is able to realize by executing his tasks at work. A qualification on EQF level 4 means, that this person is a skilled worker with the capacity to act autonomous in a range of situations and tasks and also to supervise persons in their work. Level 5 means deepened knowledge and skills and more autonomy and responsibility and very specialized skills and competences in one or more fields on his workplace - But still below bachelor’s degrees, which are on level VI).)*

We kindly ask you for a feedback, if ever and in which topics and level the proposed skills could be useful for your company. It will help us to find the right focus for this development.

Finally, you will benefit from the results of this project, because you will receive the material for the courses to use it for your employees also.

Thank you very much for your cooperation.

The METVET-Team

* Find more information about the European qualifications framework EQF:

<http://www.cedefop.europa.eu/de/events-and-projects/projects/european-qualifications-framework-eqf>



SECTION A

| PLEASE MARK WITH A CROSS: | | | | |
|----------------------------------|---|------------|-----------|-----------------|
| | Question | Yes | No | Comments |
| | You are owner / executive manager of a company in metal construction sector | | | |
| | You are employee in a company of the metal construction sector | | | |
| | You agree that there is a need for such a joint higher VET course? | | | |



SECTION B

Please mark with a cross, how important you estimate the mentioned skills (level 4)
Please fill in the lines below, which skills you estimate to be important but not mentioned in the list (level 5)
If you estimate for one or more skills important to be trained (for you or in general) please mark with a cross in the last column "Training needed"

| | SKILLS | Very Important | Important | Neutral | Not very important | Not important at all | Training needed |
|--|---|----------------|-----------|---------|--------------------|----------------------|-----------------|
| | | | | | | | |
| TECHNICAL SKILLS IN METAL CONSTRUCTION EQF Level 4 "Skilled worker" | Choose the right materials' combinations (profiles, glass, etc.) | | | | | | |
| | Install and uninstall metal constructions, choose and use the most appropriate of various jointing techniques | | | | | | |
| | Recognize and apply the requirements of the system designer's technical manuals when assembling frames, in order to achieve maximum energy outcomes | | | | | | |
| | Realization of workmanships on metal sheets | | | | | | |
| | Set up workplaces at building sites | | | | | | |
| | Cutting and welding of metal constructions for reinforcement points | | | | | | |
| | Carry out welding processes practicing different technical solutions | | | | | | |
| | Dismantle and assemble components and sub-assemblies; check, monitor and remedy errors and malfunctions; carry out routine repairs to control systems and components and document results | | | | | | |
| TECHNICAL SKILLS IN METAL CONSTRUCTION Going beyond to EQF Level 5 | Else: | | | | | | |
| | Else: | | | | | | |
| | Else: | | | | | | |



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| USE OF ICT-, CAD- AND 3D- EQUIPMENT EQF Level 4 | SKILLS | Very Important | Important | Neutral | Not very important | Not important at all | Training needed |
|--|--|---------------------------|------------------|----------------|-------------------------------|-------------------------------------|----------------------------|
| | Use IT systems, including in digitalized processes | | | | | | |
| | Apply regulations relating to data protection and information security | | | | | | |
| | Handle software for calculating thermal properties | | | | | | |
| | Read, understand and apply CAD-produced and presented descriptions and work orders | | | | | | |
| | Understand and use 3D-Equipment for production of tools, parts etc. | | | | | | |
| SKILLS NEEDED going beyond to EQF Level 5 | Else: | | | | | | |
| | Else: | | | | | | |
| | Else: | | | | | | |



| | SKILLS | Very Important | Important | Neutral | Not very important | Not important at all | Training needed |
|--|---|----------------|-----------|---------|--------------------|----------------------|-----------------|
| | | | | | | | |
| GREEN SKILLS – ENVIRONMENTAL PROTECTION EQF Level 4 | Understand and choose the most appropriate techno-economic & energy-efficient solution | | | | | | |
| | Understand the requirements for energy saving in buildings through aluminum constructions | | | | | | |
| | Calculate thermal properties (e.g. U-value) for various construction products by using appropriate software tools | | | | | | |
| | Assembly products in energy-efficient ways according to the assembly designer’s requirements | | | | | | |
| | Identify critical check-points, pertinent to construction quality which can affect thermal energy losses | | | | | | |
| | Understand & calculate the energy performance of products (energy labeling) | | | | | | |
| | Understand the environmental performance of products (environmental product declaration) | | | | | | |
| | Manage recyclable materials correctly | | | | | | |
| SKILLS NEEDED going beyond to EQF Level 5 | Else: | | | | | | |
| | Else: | | | | | | |
| | Else: | | | | | | |



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| TRANSVERSAL SKILLS | | PRACTICING QUALITY ASSURANCE | Very Important | Important | Neutral | Not very important | Not important at all | Training needed | |
|--------------------------------------|--------------------|---|---|------------------|----------------|---------------------------|-----------------------------|------------------------|--|
| EQF Level 4 | | Implement good working practices (working field, equipment, etc.) | | | | | | | |
| | | Select testing devices and methods and apply the company's quality assurance system | | | | | | | |
| SKILLS NEEDED going beyond to | | Else: | | | | | | | |
| | | Else: | | | | | | | |
| TRANSVERSAL SKILLS | | ORGANIZATIONAL & TECHNICAL COMMUNICATION | Very Important | Important | Neutral | Not very important | Not important at all | Training needed | |
| | EQF Level 4 | | Understand, organize and select the appropriate legal and regulatory requirements for each construction (CE marking, Regulations for Energy Saving in Buildings etc.) | | | | | | |
| | | | Plan coordinate and agree work with line managers, with colleagues and with other work divisions | | | | | | |
| | | | Organize collaboration with external partners (specifications, times, costs, etc.) | | | | | | |
| | | | Explain the operating and maintenance instructions for the products, the rules of the warranty and its obligations as a manufacturer | | | | | | |
| | | | Handle technical catalogs and profile specifications | | | | | | |
| | | | Handle the measuring equipment correctly | | | | | | |
| | | | Calculate dimensions from construction drawings, sketches | | | | | | |
| | | | Procure information | | | | | | |
| | | | Else: | | | | | | |
| SKILLS NEEDED going beyond to | | Else: | | | | | | | |
| | | Else: | | | | | | | |
| | | Else: | | | | | | | |



SECTION C

Please give some information on you and your company, so we will better be able to evaluate the questionnaire. Thank you

| Question | | YES | NO | Comments |
|----------|---|-----|----|----------|
| | Are you interested in the results of this project and do you allow us to send you further information to keep you up-to-date? | | | |
| | If YES please provide email-address | | | |

| | | | | | |
|---|------------------|---------------------|--------------|--------|-----------------|
| Your enterprise / the company you are working for is (please mark with x) | Production plant | Handicraft business | VET provider | School | Other (specify) |
| | | | | | |

| | | | | |
|--|------------------|--------------------|---------------------|-----------------|
| Your enterprise / the company you are working for has (please mark with x) | 1 to 9 employees | 10 to 49 employees | 50 to 249 employees | ≥ 250 employees |
| | | | | |

| | | | |
|---|--|--|---|
| Which sector of the Metal Construction industry does your company belong to (according to your products and services) | Building sector (windows, doors, roller shutters, etc) | Mechanical sector (machines, metallic parts etc) | Other (please specify in the field below) |
| | | | |

| | | | | |
|------------------------------|---------|--------|-------|------------------------------|
| Where is your company based? | Germany | Greece | Italy | Other Country Please specify |
| | | | | |

Thank you for your cooperation

