WORKING ON THE DRAFT ASSESSMENT STANDARD FOR THE OCCUPATION OF “TURNER”

WORKING GROUP
VET EPC IN ZAPORIZHZHIA REGION
“ZAPORIZHZHIA HIGHER VET SCHOOL FOR MACHINE BUILDING” SEI
GOAL:

SETTING UNIFIED REQUIREMENTS FOR ASSESSMENT AND RECOGNITION OF LEARNING OUTCOMES IN ORDER TO ASSIGN PROFESSIONAL QUALIFICATIONS
OBJECTIVES:

- RECOGNITION OF VOCATIONAL TRAINING OUTCOMES (NONFORMAL/INFORMAL);

- ASSESSMENT BASED ON THE OUTCOMES OF COMPLETING FORMAL VOCATIONAL TRAINING/PROFESSIONAL ADVANCEMENT PROGRAMS;

- RECOGNITION OF CERTAIN PROFESSIONAL COMPETENCES (ASSIGNING QUALIFICATION ON THE BASIS OF THE TOTAL OF ATTAINED PARTIAL (INCLUDING ALSO PARTIAL SUPPLEMENTARY) QUALIFICATIONS).
Федерація роботодавців України
Галузева Рада з розробки професійних стандартів і стратегії розвитку
професійних кваліфікацій Федерації металургів України

ЗАТВЕРДЖЕНО
Галузевою радою з розробки професійних стандартів і стратегії розвитку професійних
кваліфікацій Федерації металургів України (протокол від ……………..№…..)
на підставі рішення Комісії з питань професійних
стандартів Федерації роботодавців України про
відповідність професійного стандарту
встановленим критеріям відповідності від
16.12.2015 № 8

Голова Галузевої Ради О.В. Колеснікова

ПРОФЕСІЙНИЙ СТАНДАРТ

ТОКАР
## Description of assessment methods for the profession of “Turner (basic level)”

<table>
<thead>
<tr>
<th>Assessment method</th>
<th>Competences under assessment</th>
<th>Maximum duration of exam</th>
<th>Description (organization of exam)</th>
</tr>
</thead>
</table>
| **Module TKR-1 Production (processing) of simple parts on turning machines** | Performing works under conditions close to real production  
To perform preparation: 2 hrs 30 min  
work to process parts on the turning machine in accordance to technological process.  
Processing a part, or a small series on a turning machine.  
To perform control of the processed parts. | 2 hrs 30 min | A candidate may use their own technical documentation, such as:  
a reference book or a summary book.  
Regular turning processing:  
Preparing to work (in a workshop for 30 min)  
Production of a part (in a workshop, duration - 2 hrs) |
| **Module TKR-2 Production (processing) of medium complexity parts on turning machines** | Performing works under conditions close to real production  
To perform preparation: 2 hrs 30 min  
work to process parts on the turning machine in accordance to technological process.  
Processing a part, or a small series on a turning machine.  
To perform control of the processed parts. | 2 hrs 30 min | A candidate may use their own technical documentation, such as:  
a reference book or a summary book.  
Regular turning processing:  
Preparing to work (in a workshop for 30 min)  
Production of a part (in a workshop, duration - 2 hrs) |
| **Module TKR-3 Conducting continuous monitoring for quality of production (processing)** | Performing works under conditions close to real production  
To perform preparation: 2 hrs 30 min  
work to conduct quality monitoring for production and processing of parts on the turning machine in accordance to technological process.  
Control over the processing of a part or a small series of parts on the turning machine.  
To perform control of the processed parts. | 2 hrs 30 min | A candidate may use their own technical documentation, such as:  
a reference book or a summary book.  
Controls over a regular turning processing:  
Preparing to work (in a workshop for 30 min)  
Performing control over the production of parts (in a workshop, duration 1 hr).  
Entering control data into the protocol - 1 hrs. |
**Other assessment methods, if required.**

<table>
<thead>
<tr>
<th>Assessment Method</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical interview</td>
<td>Conducted in a form of tests</td>
</tr>
<tr>
<td>Questions over the work</td>
<td>Stated or “not applied” results</td>
</tr>
<tr>
<td>Final interview</td>
<td>Separate for each module 00 hrs 20 min including the time needed to</td>
</tr>
<tr>
<td></td>
<td>discuss with a candidate their work experience.</td>
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<tr>
<td></td>
<td>Final interview enables the commission to test:</td>
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<td></td>
<td>- Mastery of professional materials</td>
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<td></td>
<td>- Candidate’s understanding and vision for his future profession</td>
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<td></td>
<td>- Knowledge and skills of professional culture and perception of the</td>
</tr>
<tr>
<td></td>
<td>profession</td>
</tr>
</tbody>
</table>

Total duration of exam: 03 hrs 50 min for a candidate (separate for each module)
ASSESSMENT CRITERIA

The assessment covers completion of theoretical and practical tasks. It is determined in the percentage or according to the criteria “knows”, “does not know”, “is able to do”, “is not able to do”.
### Description of assessment methods for the profession of “Turner (basic level)”

<table>
<thead>
<tr>
<th>Professional competences</th>
<th>Assessment methods / demonstration of competence</th>
<th>Assessment criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Module TKR-1 Production (processing) of simple parts on turning machines</strong>&lt;br&gt;To produce (process) simple parts on a turning machine (processing of cylindric, side surfaces, and cylindric openings; processing of conic surfaces and conic openings; processing of profiles surfaces; thread cutting with twist drills, spacers, and screw tips)</td>
<td>Performing works under conditions close to real production</td>
<td>Accepting the work station. Keeping to work safety conditions. Organization of the work station. Keeping to the requirements of work modes (cutting modes, selection of cutting, controlling and measuring tools, according to the technological process). Keeping the timing for the performance of works. Conformity of the tested processed parts to the set terms of references / specifications. Commissioning of the work station.</td>
</tr>
<tr>
<td>Comprehensive competences</td>
<td>Professional competences to test comprehensive competences</td>
<td>Assessment criteria</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Following legal requirements for health, safety, and environmental protection</td>
<td>To prepare the turning machine in accordance with the drawing for the part.</td>
<td>Applying safe methods and techniques when arranging job conditions for performing the works.</td>
</tr>
<tr>
<td></td>
<td>To process a part or a small series on the turning machine.</td>
<td>Applying personal and collective protection means.</td>
</tr>
<tr>
<td>Following the operational and maintenance rules, and the rules for safe maintenance of consumer electric appliances.</td>
<td>To prepare the turning machine in accordance with the drawing for the part.</td>
<td>Performing tasks under instructions.</td>
</tr>
<tr>
<td></td>
<td>To process a part or a small series on the turning machine.</td>
<td>Applying safe methods and techniques when arranging job conditions for performing the works.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ability to act fast in emergency situations.</td>
</tr>
<tr>
<td>Following the operational and maintenance rules, and the rules for safe maintenance of load lifting cranes.</td>
<td>To perform works for raising the loads.</td>
<td>Applying safe methods and techniques when raising the loads.</td>
</tr>
<tr>
<td></td>
<td>To process a part or a small series on the turning machine.</td>
<td>Applying personal and collective protection means.</td>
</tr>
</tbody>
</table>

Table 3
Role of VET in assessment of professional qualifications

Modern vocational education institution or an education practical center of the VET institution can be an accredited qualification center for respective professions.
THANK YOU