



ESF programm „Kutsete süsteemi arendamine“

# OCCUPATIONAL STANDARD

## Logger, level 3

**The occupational standard is a document** that describes the job and competence requirements, i.e. a set of skills, knowledge and attitudes required for successful job performance in a particular occupation.

On the basis of the occupational standard of a **logger of level 3**, both initial occupational qualification and occupational qualification will be awarded:

- a) initial occupational qualification will be awarded when fulfilling a nationally recognised curriculum meeting this occupational standard. A remark concerning awarding initial occupational qualification recorded in the graduation certificate/an annex to the diploma shall confirm that the person has received preparation and possesses readiness to start working in the profession at the respective level.
- b) occupational qualification will be awarded if the body awarding the occupational qualification has assessed the conformity of the competencies confirmed in the actual working life of the person with the occupational standard and issued an occupational qualification certificate.

<b>Occupational qualification title</b>	<b>Level of the Estonian Qualification Framework (EQF)</b>
<i>Logger, level 3</i>	3

## Part A

### JOB DESCRIPTION

<b>A.1 Job description</b>
A logger of level 3 is a skilled worker who performs work related to silviculture and logging. A logger is guided by the set silvicultural targets in his/her work. During logging, he/she is guided by the technological diagram of the cutting area and the quality requirements of the assortment, creating optimum working conditions for transporting and storage of timber. A logger uses and maintains clearing saws, chain saws and other work and safety equipment.
<b>A.2 Units</b>
The occupational qualification of a logger of level 3 consists of three parts:  A.2.1 Establishing reforestation A.2.2 Maintenance of reforestation and cleaning A.2.3 Improvement and regeneration cutting  A list of tasks, “Units and tasks”, related to the units is presented in Annex C.3 to the occupational standard.
<b>A.3 Working environment and specific aspects of work</b>
The occupational qualification of a logger of level 3 assumes capability to orientate in nature and physical stamina. The job is more dangerous than average. A logger must use safety equipment corresponding to the unit and follow occupational safety requirements.
<b>A.4 Tools</b>
The main tools of a logger are a clearing saw, chain saw and spade, planting tube and mattock.
<b>A.5 Personal characteristics necessary for this job: abilities and personality traits</b>
The occupational qualification assumes capability to make decisions, responsibility, concentration and visual capabilities and physical stamina.
<b>A.6 Occupational training</b>
Usually, a logger of level 3 has vocational education or professional skills obtained during practical work.
<b>A.7 Possible job titles</b>
Logger, forester, sawyer

### B.1. The structure of occupational qualification

In order to certify the occupational qualification of a logger of level 3, certifying competencies B.2.1–B.2.3 and B.2.4 (transversal competencies) is required.

### B.2 Competencies

#### B.2.1 Establishing reforestation

EQF level 3

Performance indicators:

- 1) transports and preserves plants taking into account the type of a plant and preservation requirements;
- 2) visually evaluates the quality of reforestation material and prepares plants for planting based on the type of a plant;
- 3) establishes reforestation taking into account the conditions of the area to be reforested and type of reforestation material;
- 4) assesses the quality and compliance of work based on the task (attachment strength in soil, planting depth, choice of the place of planting, initial density of the planting of plants).

Supporting knowledge:

- 1) planting techniques;
- 2) types of reforestation materials and preservation requirements thereof.

Assessment method(s):

Written task

#### B.2.2 Maintenance of reforestation and cleaning

EQF level 3

Performance indicators:

- 1) verifies the correctness and safety of the work area using a map and/or GPS device;
- 2) selects trees to be left growing based on the objectives related to silviculture (improving the site conditions of the trees, forming the composition of the future forest stand, ensuring an optimum distance between the trees, etc.);
- 3) cuts trees not suitable for the composition of the future forest stand using a clearing saw or chain saw, avoiding damaging trees to be left growing;
- 4) maintains a clearing saw or chain saw based on the user manual;
- 5) assesses the quality of work taking into account the quality of trees suitable for the future forest stand, the number per hectare and distance thereof and compliance of work based on the task.

Supporting knowledge:

- 1) basic tree and shrub species, the properties thereof and principles of maintenance;
- 2) silvicultural aims;
- 3) most widespread types of damage to trees;
- 4) principles of the use and maintenance of a clearing saw and chain saw;
- 5) principles of the use of GPS devices and maps.

Assessment method(s):

Practical work and an interview

#### B.2.3 Improvement and regeneration cutting

EQF level 3

Performance indicators:

<ol style="list-style-type: none"> <li>1) verifies the correctness and safety of the cutting area using a map and/or GPS device;</li> <li>2) selects trees to be left growing based on the objectives related to silviculture (improving the site conditions of the trees, forming the composition of the future forest stand, ensuring an optimum distance between the trees, etc.);</li> <li>3) produces timber assortments pursuant to the quality and parameter requirements given in the production task, using a chain saw;</li> <li>4) maintains a chain saw as required based on the user manual;</li> <li>5) evaluates the amount of timber based on the parameters of the timber;</li> <li>6) evaluates the quality of timber and work on the basis of the task.</li> </ol>
<p><u>Supporting knowledge:</u></p> <ol style="list-style-type: none"> <li>1) basic tree and shrub species, the properties thereof and principles of maintenance;</li> <li>2) silvicultural aims;</li> <li>3) timber quality requirements and wood defects;</li> <li>4) most widespread types of damage to trees;</li> <li>5) technologies of stocking up timber;</li> <li>6) principles of evaluating the amount of timber;</li> <li>7) principles of the use and maintenance of a chain saw;</li> <li>8) principles of the use of GPS devices and maps.</li> </ol>
<p><u>Assessment method(s):</u> Practical work and an interview</p>

## TRANSVERSAL COMPETENCIES

<b>B.2.4 Transversal competencies of the occupational qualification of a logger, level 3</b>	<b>EQF level 3</b>
<p><u>Performance indicators:</u></p> <ol style="list-style-type: none"> <li>1) understands one's part in the technological chain of stocking up timber – the purpose of the cutting, collection, transport and use of the assortment – and participates in teamwork;</li> <li>2) uses materials and tools prudently and economically and works in view of the company's profitability;</li> <li>3) evaluates risk factors; avoids and prevents the occurrence of damage to forest, soil or the environment or any other possible risks related to one's work section and applies measures to manage risks;</li> <li>4) complies with working environment and occupational safety requirements by using occupational health and safety equipment and safe work practices;</li> <li>5) in case of an accident, provides emergency care, calls professional help as required, and informs the employer about the accident.</li> </ol>	
<p><u>Supporting knowledge:</u></p> <ol style="list-style-type: none"> <li>1) legislation related to the profession;</li> <li>2) principles of ergonomics;</li> <li>3) basis of occupational and environmental safety;</li> <li>4) basis of first aid.</li> </ol>	
<p><u>Assessment method(s):</u> Assessment of transversal competences is integrated within other competences of this standard.</p>	

## Part C

### GENERAL INFORMATION AND ANNEXES

<b>C.1 Information on the preparation and approval of the occupational standard, on the body awarding occupational qualifications, and reference to the location of the occupational standard in classifications</b>	
Designation of the occupational standard in the register of occupational qualifications	16-05122013-3.5.1/7k
The occupational standard is compiled by: names of people and organisations	Aita Sauemägi, <i>SA Innove</i> Andres Müürisepp, <i>Luuu Metsanduskool</i> Ilmar Paal, <i>Riigimetsa Majandamise Keskus</i> Marko Vinni, <i>Luuu Metsanduskool</i> Ott Otsmann, <i>Eesti Metsa- ja Puidutööstuse Liit</i> Peep Lohu, <i>Odenkat OÜ</i> Rainer Laigu, <i>Riigimetsa Majandamise Keskus</i> Toomas Keskkülla, <i>Artiston OÜ</i> Tõnu Reinsalu, <i>Luuu Metsanduskool</i> Urmas Valter, <i>Raviltos OÜ</i>
The occupational standard is approved by	Forestry Sector Skills Council
Number of the decision of the Sector Skills Council	13
Date of the decision of the Sector Skills Council	05.12.2013
The occupational standard is valid until (date)	16.10.2017
Version number of the professional standard (1-n)	7
Reference to the Classification of Occupations (ISCO 08)	Logger (62)
Reference to the European Qualification Framework (EQF)	3
<b>C.2 Title of occupational qualification in foreign languages</b>	
In English - Logger	
In Russian - Лесоруб	
In Finnish- Metsuri	
<b>C.3 Annexes</b>	
Annex 1 Units and tasks	

## Annex 1

### Units and tasks

A logger of level 3 is a skilled worker who performs work related to silviculture and logging. A logger is guided by the set silvicultural targets in his/her work. During logging, he/she is guided by the technological diagram of the cutting area and the quality requirements of the assortment, creating optimum working conditions for transporting and storage of timber. A logger uses and maintains clearing saws, chain saws and other work and safety equipment.

	Units and tasks	Logger, level 3	Forwarder operator, level 4	Harvester operator, level 4
<b>1</b>	<b>Improvement and regeneration cutting</b>			
1.1	Operating a forest vehicle		X	X
1.2	Verifying the correctness and safety of a cutting area	X	X	X
1.3	Preparing a cross-cutting file			X
1.4	Silvicultural selection of trees	X		X
1.5	Producing timber assortment	X		X
1.6	Issuing a production report			X
1.7	Performing the verification measurement of a harvester			X
1.8	Accepting and forwarding electronic data			X
1.9	Using economical work practices		X	X
1.10	Evaluating the quality of timber and work	Evaluating the amount of timber and quality of work	X	X
1.11	Sorting, collecting and stacking of the timber assortment		X	
1.12	Planning the arrangement of timber on a timber landing		X	
1.13	Evaluating the amount of a load	X	X	
1.14	Maintaining records on the amount of collected stock		X	
1.15	Maintaining a chain saw	X		
<b>2</b>	<b>Setting up and maintenance of a forwarder/harvester</b>			
2.1	Observance of good working condition		X	X
2.2	Adjusting parameters as required		X	
2.3	Troubleshooting mechanical, electrical or hydraulic defects		X	X
2.4	Determining the need for repair work		X	X

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2.5	Performing regular maintenance		X	X
2.6	Disposal of maintenance and repair waste		X	X
<b>3</b>	<b>Establishing reforestation</b>			
3.1	Transport and preservation of plants	X		
3.2	Evaluating the quality of reforestation material	X		
3.3	Establishing reforestation	X		
3.4	Assessment of the quality of work	X		
<b>4</b>	<b>Maintenance of reforestation and cleaning</b>			
4.1	Verifying the correctness and safety of a work area	X		
4.2	Silvicultural selection of trees	X		
4.3	Forming the composition of a stand	X		
4.4	Maintenance of a clearing saw or chain saw	X		
4.5	Assessment of the quality of work	X		