





# **OCCUPATIONAL STANDARD**

# Forester, level 4

The occupational standard of a **forester of level 4** serves as a basis for preparation of vocational education and in-service training curricula and assessment of professional competence of people. On the basis of this occupational standard, 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.

Occupational qualification title	Level of the Estonian Qualification Framework (EQF)
Forester, level 4	4







# Part A JOB DESCRIPTION

#### A.1 Job description

The profession of forestry consists of five occupational qualifications: logger, level 3; forester, level 4; forwarder operator, level 4; harvester operator, level 4; forest specialist, level 5.

A **forester of level 4** is a skilled worker who performs himself/herself and organises work related to silviculture and logging. He/she supervises the work of others and assumes responsibility for the outcome of the work. A forester is guided by the set silvicultural aims 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 forester uses and maintains clearing saws, chain saws and other work and safety equipment.

A forester has prerequisites for undertaking a small scale enterprise and administrate it.

Forester of level 4 includes the competencies of a logger of level 3.

#### A.2 Units

The occupational qualification of a forester of level 4 consists of four parts:

- A.2.1 Establishing reforestation
- A.2.2 Maintenance of reforestation and cleaning
- A.2.3 Improvement and regeneration cutting
- A.2.4 Management and administration

A list of tasks, "Units and tasks", related to the units is presented in Annex 1 to the occupational standard.

#### A.3 Working environment and specific aspects of work

The work of a forester of level 4 takes place mainly in a natural environment and outside. A forester must use safety equipment corresponding to the unit and follow occupational safety requirements.

## A.4 Tools

The main tools of a forester are a clearing saw, chain saw and spade, planting tube, grub hoe and relascope.

#### A.5 Personal characteristics necessary for this job: abilities and personality traits

The occupational qualification of a forester assumes capability to orientate in nature and make decisions, responsibility, concentration and visual capabilities, cooperation and communication readiness and physical stamina.

#### A.6 Occupational training

A forester of level 4 usually has at least vocational education in forestry.

### A.7 Possible job titles

Forester, leading hand of sawyers, foreman of sawyers.







# Part B COMPETENCE REQUIREMENTS

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

In order to certify the occupational qualification of a forester of level 4, certifying competencies B.2.1–B.2.5 (transversal competencies) is required.

## **B.2 Competencies**

## **B.2.1** Establishing reforestation

**EQF** level 4

## Performance indicators:

- 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) supervises and checks teamwork at establishing reforestation based on the set requirements;
- 5) 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;
- 3) basis of forest biology, including basic tree and shrub species, the properties thereof and principles of growing;
- 4) basis of forest typology;
- 5) principles of the use of GPS devices and maps;
- 6) basis of environmental protection;
- 7) basis of the working environment and occupational safety.

#### Assessment method(s):

Written task and an interview

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

**EQF** level 4

## 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) supervises and checks teamwork at the maintenance of reforestation and cleaning based on the set requirements;
- 6) 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) basis of forest biology, including basic tree and shrub species, the properties thereof and principles of growing;
- 2) basis of forest typology;
- 3) silvicultural aims;
- 4) most widespread types of damage to trees;
- 5) principles of the use and maintenance of a clearing saw and chain saw;
- 6) techniques of work with a clearing saw and chainsaw;
- 7) principles of the use of GPS devices and maps;
- 8) basis of environmental protection;
- 9) basis of the working environment and occupational safety.

## Assessment method(s):

Practical work and an interview

## **B.2.3** Improvement and regeneration cutting

**EQF** level 4

#### Performance indicators:

- 1) verifies the correctness and safety of the cutting 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) produces timber assortments pursuant to the quality and parameter requirements given in the production task, using a chain saw;
- 4) evaluates the volume of a timber assortment based on measuring and methods for determining the volume;
- 5) evaluates the basal area of standing timber using a relascope;
- 6) maintains a chain saw based on the user manual;
- 7) supervises and checks teamwork at improvement and regeneration cutting based on the set requirements;
- 8) evaluates the quality of timber and work on the basis of the task.

#### <u>Supporting knowledge:</u>

- 1) basis of forest biology, including basic tree and shrub species, the properties thereof and principles of growing;
- 2) basis of forest typology;
- 3) silvicultural aims;
- 4) timber quality requirements and wood defects;
- 5) most widespread types of damage to trees;
- 6) technologies of stocking up timber;
- 7) principles of evaluating the amount of timber;
- 8) principles of the use and maintenance of a chain saw;
- 9) techniques of work with a chain saw;
- 10) principles of the use of GPS devices and maps;
- 11) principles of the use of a relascope;
- 12) basis of environmental protection;
- 13) basis of the working environment and occupational safety.

#### Assessment method(s):

Practical work and an interview







## **B.2.4** Management and administration

**EQF** level 4

#### Performance indicators:

- 1) supervises and advises co-workers based on the set requirements, taking into account the nature and complexity of work;
- organises a smooth process of the work section based on instructions, pointing out necessary changes;
- enters into agreements with cooperation partners within the limits of one's competence by using required documents according to the organisation of work of the company and requirements of legislation.

#### Supporting knowledge:

- 1) basis of business;
- 2) basis of teamwork.

## Assessment method(s):

Practical work and an interview

#### TRANSVERSAL COMPETENCIES

# B.2.5 Transversal competencies of the occupational qualification of a forester, level 4 | EQF level 4

#### Performance indicators:

- 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;
- uses materials and tools prudently and economically and works in view of the company's profitability;
- 3) arranges one's activities and adapts one's behaviour according to a situation, understands one's contribution to the company;
- 4) successfully participates in teamwork and politely communicates with customers and co-workers;
- 5) develops oneself professionally, learns and obtains new work practices, methods and techniques;
- 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;
- 7) complies with working environment and occupational safety requirements by using occupational health and safety equipment and safe work practices;
- 8) in case of an accident, provides emergency care, calls professional help and informs the employer about the accident;
- 9) communicates in Estonian at level B1 (see Annex 1);
- 10) uses a computer in one's work at a basic level: AO1-AO4 and the internet AO7 (see Annex 2).

#### Supporting knowledge:

- 1) requirements of legislation related to the profession;
- 2) principles of ergonomics;
- 3) basis of occupational and environmental safety;
- 4) basis of first aid.

#### Assessment method(s):

Assessment of transversal competences is integrated within other competences of this standard.







# Part C GENERAL INFORMATION AND ANNEXES

	C.1 Information on the preparation and approval of the occupational standard, on the body awarding							
occ	upational qualifications, and reference to the locati							
1.	Designation of the occupational standard in the	16-08052013-3.1/5k						
	register of occupational qualifications							
2.	The occupational standard is compiled by: names	Rainer Laigu, Riigimetsa Majandamise Keskus						
	of people and organisations	Ott Otsmann, Eesti Metsa- ja Puidutööstuse Liit						
		Ilmar Paal, Riigimetsa Majandamise Keskus						
		Guido Ploompuu, Eestimaa Erametsaliit						
		Taavi Saar, Artiston OÜ						
		Aita Sauemägi, <i>SA Innove</i>						
		Marko Vinni, Luua Metsanduskool						
3.	The occupational standard is approved by	Forestry Sector Skills Council						
4.	Number of the decision of the Sector Skills Council	12						
5.	Date of the decision of the Sector Skills Council	08.05.2013						
6.	The occupational standard is valid until (date)	07.05.2018						
7.	Version number of the occupational standard (1-n)	5						
8.	Reference to the Classification of Occupations	6210						
	(ISCO 08)	Skilled workers and other workers of forestry						
9.	Reference to the European Qualification	4						
	Framework (EQF)							
	Title of occupational qualification in foreign langua	ages						
In E	inglish - Forester							
In F	innish - Metsuri							
<b>C.3</b>	Annexes							
Anr	nex 1 Units and tasks							
	nex 2 Computer skills							
	nex 3 Descriptions of language skills levels							
Anr	nex 4 Definitions used in the occupational standard							







Units and tasks
Annex 1

A **forester of level 4** is a skilled worker who performs himself/herself and organises work related to silviculture and logging. He/she supervises the work of others and assumes responsibility for the outcome of the work. A forester is guided by the set silvicultural aims 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 forester uses and maintains clearing saws, chain saws and other work and safety equipment.

A forester has prerequisites for undertaking a small scale enterprise and administrate it.

Forester of level 4 includes the competencies of a logger of level 3.

	Units and tasks	Logger, level 3	Forwarder operator, level 4	Harvester operator, level 4	Forester, level 4	Forest specialist, level 5
1	Improvement and regeneration cutting					
1.1	Operating a forest vehicle		operates a forwarder taking into account natural conditions;	operates a harvester taking into account natural conditions;		
1.2	Verifying the correctness and safety of a cutting area	verifies the correctness and safety of the cutting area using a map and/or GPS device;	verifies the correctness and safety of the cutting area, drag road and timber landing using a map and/or GPS device;	verifies the correctness and safety of the cutting area using a map and/or GPS device;	verifies the correctness and safety of the cutting area using a map and/or GPS device;	
1.3	Preparing a cross-cutting file			prepares a cross-cutting file using the harvester's computer, user manual and production task;		
1.4	Silvicultural selection of trees	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.);		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.);	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.);	
1.5	Producing timber assortment	produces timber assortments pursuant to the quality and parameter requirements given in the production task, using a chain saw;		produces timber assortments pursuant to the quality and parameter requirements given in the production task;	produces timber assortments pursuant to the quality and parameter requirements given in the production task, using a chain saw;	
1.6	Evaluating the volume of timber assortment				evaluates the volume of a timber assortment based on measuring and methods for determining the volume;	
1.7	Evaluating the basal area of				evaluates the basal area of	







		V	ESF programm "Kutsete s	usteemi arendamine	74	
	timber				standing timber using a	
					relascope;	
1.0	Issuing a production report			issues a production report using		
1.8	issuing a production report					
				the harvester's computer;		
1.9	Performing the verification			performs the verification		
	measurement of a harvester			measurement of the harvester		
				using a calibrating calliper and		
				measuring tape and following		
				software instructions;		
1.10	Accepting and forwarding			accepts and forwards electronic		
	electronic data			data based on the task;		
1.11	Using economical work		uses economical work practices	uses economical work practices		
1	practices		when working with the forwarder	when working with the harvester		
	practices		following the working environment	_		
			-	following the working		
			and safety requirements;	environment and safety		
				requirements;		
1.12	Evaluating the quality of	evaluates the quality of timber	evaluates the quality of timber and	evaluates the quality of timber	evaluates the quality of timber	
	timber and work	and work on the basis of the task.	work on the basis of the task.	and work on the basis of the task.	and work on the basis of the	
	and troin		Work on the basis of the task		task.	
4.40	Continuo collectione and		and a second second second second		task.	
1.13	Sorting, collecting and		sorts, collects and stacks timber			
	stacking of the timber		assortments based on the			
	assortment		production task;			
1.14	Planning the arrangement of		plans the arrangement of timber on			
:	timber on a timber landing		the timber landing based on the			
			distinguishing features of the			
			timber landing, number and			
			<u> </u>			
			amount of the timber assortments;			
1.15	Evaluating the amount of a	evaluates the amount of timber	evaluates the amount of the load			
	load/timber	based on the parameters of the	based on parameters;			
		timber;				
1.16	Maintaining records on the	·	maintains a record of the amounts			
1.10	amount of collected stock		of stocks collected based on the			
	amount of conected stock					
			amounts of loads collected;			
1.17	Maintaining a chain saw	maintains a chain saw as required			maintains a chain saw based	
		based on the user manual;			on the user manual;	
1.18	Supervising and checking				supervises and checks	
0	teamwork at improvement				teamwork at improvement	
	and regeneration cutting				and regeneration cutting	
	and regeneration cutting				-	
					based on the set	
					requirements;	
2	Setting up and maintenance					







	of a forwarder/harvester		LSI programm "reasece s			
2.1	Observance of good working		1) observes the good working	1) observes the good working		
2.1	condition		condition of the forwarder on the	condition of the harvester on the		
	condition					
			basis of the user manual;	basis of the user manual;		
2.2	Adjusting parameters as		2) adjusts the parameters of the	2) adjusts the parameters of the		
	required		forwarder as required, taking into	harvester as required, taking into		
			account ergonomics and the nature	account ergonomics and the		
			of work;	nature of work;		
2.3	Troubleshooting mechanical,		3) troubleshoots mechanical,	3) troubleshoots the mechanical,		
	electrical or hydraulic defects		electrical or hydraulic defects of	electrical or hydraulic defects of		
	,		the forwarder based on the user	the harvester based on the user		
			manual:	manual:		
2.4	Determining the need for		4) determines the need for repair	4) determines the need for repair		
2.4	repair work		work of the forwarder based on the	work of the harvester based on		
	repair work		a a constant of the constant o			
			user manual and, if possible,	the user manual and, if possible,		
			removes defects within the limits of	removes defects within the limits		
			his/her competence;	of his/her competence;		
2.5	Performing regular		5) performs regular maintenance of	5) performs regular maintenance		
	maintenance		the forwarder based on the user	of the harvester based on the user		
			manual and safety requirements;	manual and safety requirements;		
2.6	Disposal of maintenance and		6) disposes maintenance and repair	6) disposes maintenance and		
	repair waste		waste based on environmental	repair waste based on		
			requirements.	environmental requirements.		
3	Establishing reforestation					
3.1	Transport and preservation	1) transports and preserves			1) transports and preserves	
	of plants	plants taking into account the			plants taking into account the	
	·	type of a plant and preservation			type of a plant and	
		requirements;			preservation requirements;	
3.2	Evaluating the quality of	2) visually evaluates the quality			2) visually evaluates the	
	reforestation material	of reforestation material and			quality of reforestation	
	Telorestation material	prepares plants for planting			material and prepares plants	
		based on the type of a plant;			for planting based on the type	
		based on the type of a plant,				
2.2	Fatablishing vafavastatis	2) actablish as mafamastatis			of a plant;	
3.3	Establishing reforestation	3) establishes reforestation			3) establishes reforestation	
		taking into account the			taking into account the	
		conditions of the area to be			conditions of the area to be	
		reforested and type of			reforested and type of	
		reforestation material;			reforestation material;	

3.4	Assessment of the quality of	4) assesses the quality and	4) assesses the quality and	







			ESF programm "Kutsete s	usteenn arendamme		
	work	compliance of work based on the			compliance of work based on	
		task (attachment strength in soil,			the task (attachment strength	
		planting depth, choice of the			in soil, planting depth, choice	
		place of planting, initial density of			of the place of planting, initial	
		the planting of plants).			density of the planting of	
					plants).	
3.5	Supervising and checking				5) supervises and checks	
	teamwork at establishing				teamwork at establishing	
	reforestation				reforestation based on the set	
	Terorestation				requirements;	
4	Maintenance of					
	reforestation and cleaning					
4.1	Verifying the correctness and	1) verifies the correctness and			1) verifies the correctness and	
	safety of a work area	safety of the work area using a			safety of the work area using a	
		map and/or GPS device;			map and/or GPS device;	
4.2	Silvicultural selection of trees	2) selects trees to be left growing			2) selects trees to be left	
		based on the objectives related			growing based on the	
		to silviculture (improving the site			objectives related to	
		conditions of the trees, forming			silviculture (improving the site	
		the composition of the future			conditions of the trees,	
		forest stand, ensuring an			forming the composition of	
		optimum distance between the			the future forest stand,	
		trees, etc.);			ensuring an optimum distance	
		c. 239, 243.77			between the trees, etc.);	
4.3	Forming the composition of a	3) cuts trees not suitable for the			3) cuts trees not suitable for	
	stand	composition of the future forest			the composition of the future	
		stand using a clearing saw or			forest stand using a clearing	
		chain saw, avoiding damaging			saw or chain saw, avoiding	
		trees to be left growing;			damaging trees to be left	
					growing;	
4.4	Maintenance of a clearing	4) maintains a clearing saw or			4) maintains a clearing saw or	
7.7	saw or chain saw	chain saw based on the user			chain saw based on the user	
	Saw Or Chair Saw	manual;			manual;	
4.5	Assessment of the quality of	5) assesses the quality of work			5) assesses the quality of work	
4.5	work	taking into account the quality of			taking into account the quality	
	WOIK	trees suitable for the future			of trees suitable for the future	
		forest stand, the number per hectare and distance thereof and			forest stand, the number per	
					hectare and distance thereof	
		compliance of work based on the			and compliance of work based	
4.5		task.			on the task.	
4.6	Supervising and checking				6) supervises and checks	







			ESF programm "Kutsete s	usteemi arendamine		
	teamwork at the				teamwork at the maintenance	
	maintenance of a				of reforestation and cleaning	
					_	
	reforestation and cleaning				based on the set	
					requirements;	
5	Management and					
3						
	administration					
5.1	Supervising and advising co-				1) supervises and advises co-	
	workers				workers based on the set	
					requirements, taking into	
					account the nature and	
					complexity of work;	
5.2	Organising the smooth				2) organises a smooth process	
5.2						
1	process of a work section				of the work section based on	
	process or a work section					
					instructions, pointing out	
					necessary changes;	
5.3	Entering into agreements				3) enters into agreements with	
5.5						
	with cooperation partners				cooperation partners within	
	' '					
					the limits of one's competence	
					by using required documents	
					according to the organisation	
					of work of the company and	
					requirements of legislation.	
					requirements of legislation.	
6	Forest survey					
6.1	Orientating in a forest					1) orientates in a forest based on
0.1	Officiating in a forest					
						the map data;
6.2	Mapping of stand					2) maps stand compartments on
0.2	Mapping of Stand					
	compartments					the basis of mensurational
	comparements					l I
						characteristics using topographical
						material;
						material;
6.3	Forest inventory					3) takes forest inventory using
0.5	Torest inventory					
						forest inventory tools (e.g.
						altimeter, increment bore,
						talmeter, relascope etc.);
-						
6.4	Long-term planning of forest					plans long-term forest
	management activities					management activities based on
						the mensurational characteristics
						of forest and state of forest.
7	Arranging forest					
,						
	management activities					
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		







reforestation and evaluation of the quality of work performed  Planning and arranging maintenance of reforestation and cleaning and evaluating the quality of work performed  Planning and arranging maintenance of reforestation and cleaning and evaluating the quality of work performed  Planning and arranging maintenance of reforestation and cleaning and evaluating the quality of work performed  Planning and arranging miprovement cutting and evaluating the quality of work performed  Planning and arranging miprovement cutting and evaluating the quality of work performed taking into account the set requirements;  Planning and arranging miprovement cutting based on mensurational characteristics and evaluating the quality of work performed taking into account the set requirements;  Planning and arranging miprovement cutting and evaluating the quality of work performed taking into account the set requirements;  Planning and arranging regeneration cutting based on the mensurational characteristics and evaluating the quality of work performed taking into account the set requirements;  Planning and arranging regeneration cutting based on the mensurational characteristics and evaluating the quality of work performed taking into account the set requirements;  Evaluating the quality of the timber assortment and evaluates the volume of timber assortment and evaluates the volu			 ESF programm "Kutsete s	usteemi arendamine		
reforestation and evaluation of the quality of work performed  7.2 Planning and arranging maintenance of reforestation and cleaning and evaluating the quality of work performed  7.3 Planning and arranging maintenance of reforestation and cleaning and evaluating the quality of work performed  7.3 Planning and arranging maintenance of a reforestation and cleaning based on the forest size type and mensurational characteristics, and evaluates the quality of work performed taking into account the set requirements;  7.3 Planning and arranging improvement cutting and evaluating the quality of work performed taking into account the set requirements;  7.4 Planning and arranging maintenance of reforestation and cleaning takes of the quality of work performed taking into account the set requirements;  7.4 Planning and arranging maintenance of reforestation and cleaning takes of the timber assortment, and evaluates the quality of work performed taking into account the set requirements;  7.5 Evaluating the quality of work performed taking into account the set requirements;  7.6 Evaluating the quality of timber assortment  8.5 Evaluating the quality of timber assortment  9.5 Evaluating the quality of timber assortment  9.5 Evaluating the quality of timber assortment  9.5 Evaluating the quality of timber assortment  9.6 Evaluating the quality of timber assortment  9.7 Evaluating the volume of timber assortment assortment based on various mentods of measuring and determining the volume of timber assortment a	7.1	Planning and designing				1) plans and arranges the
national and arranging maintenance of reforestation and cleaning and evaluating the quality of work performed available the quality of work performed available the process of the process						
performed  performed  performed alleging of work operformed taking into account the set requirements.  7.2 Planning and arranging maintenance of reforestation and cleaning and evaluating the quality of work performed alleging of work performed.  7.3 Planning and arranging improvement cutting and evaluating the quality of work performed work performed.  7.4 Planning and arranging improvement cutting and evaluating the quality of work performed taking into account the set requirements for the tumber assortment, and evaluates the quality of work performed taking into account the set requirements for the tumber assortment and quality requirements for the tumber assortment in the quality of work performed taking into account the set requirements for the tumber assortment in the quality of work performed taking into account the set requirements for the tumber assortment and quality requirements for the tumber assortment and quality requirements for the quality of work performed taking into account the set requirements for the tumber assortment and quality requirements for the requirements for the mensurational characteristics and quality requirements for the tumber assortment for the tumber assortment the quality of work performed taking into account the set requirements;  7.5 Evaluating the quality of tumber assortment based on valuative requirements.  7.6 Evaluating the volume of timber assortment based on valuative requirements.  7.7 Evaluating the basal area of standing timber using a relascoper.  7.8 Maintaining tock records  8 Juniantains tock records						
Planning and arranging maintenance of reforestation and cleaning and evaluating the quality of work performed taking into account the set requirements.  7.3 Planning and arranging into account the set requirements and cleaning and evaluating the quality of work performed with a set of the quality of work performed alking into account the set requirements.  7.3 Planning and arranging into account the set requirements.  7.4 Planning and arranging regeneration cutting and evaluating the quality of work performed taking into account the set requirements.  7.4 Planning and arranging regeneration cutting and evaluating the quality of work performed taking into account the set requirements.  7.5 Planning and arranging regeneration cutting and evaluating the quality of work performed taking into account the set requirements.  7.5 Evaluating the quality of work performed taking into account the set requirements for the timber assortment, and evaluating the quality of work performed taking into account the set requirements for the timber assortment, and evaluating the quality of work performed taking into account the set requirements for the timber assortment, and evaluating the quality of work performed taking into account the set requirements for the timber assortment, and evaluating the quality of work performed taking into account the set requirements for the timber assortment alaxing into account the set requirements for the timber assortment alaxing into account the set requirements for the timber assortment alaxing into account the set requirements for the timber assortment alaxing into account the set requirements for the timber assortment alaxing into account the set requirements for the timber assortment alaxing into account the set requirements for the timber assortment alaxing into account the set requirements for the timber assortment alaxing into account the set requirements for the timber assortment alaxing into account the set requirements for the timber assortment and evaluating the quality of the timber						
Planning and arranging maintenance of reforestation and cleaning saved on the forest site upon the quality of work performed		performed				• •
Planning and arranging maintenance of reforestation and cleaning and evaluating the quality of work performed and provided the provided and provided						
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						on the quality, volume and stock
moving records of a timber						moving records of a timber







			ESF programm "Kutsete s	•		
						assortment;
7.9	Planning logistic solutions for					9) plans logistic solutions for
i	timber hauling and chipping					timber hauling and chipping taking
i						into account the places of origin
i						and destination and locations of
i						timber landings and the network
1						of roads;
7.10	Planning and arranging forest					10) plans and arranges forest
i	drainage work and					drainage work and evaluates the
l	evaluating the quality of					quality of the work performed
i	work performed					based on designs and
i						maintenance plans;
7.11	Planning and arranging forest					plans and arranges the building
/.11	roads building and evaluating					and maintenance of forest roads
i	the quality of work					and evaluates the quality of the
i	performed					work performed based on designs
i	performed					and maintenance plans.
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	Transversal units	Transversal competencies of the	Transversal competencies of the	Transversal competencies of the	Transversal competencies of	Transversal competencies of the
		occupational qualification of a	occupational qualification of a	occupational qualification of a	the occupational qualification	occupational qualification of a
		logger, level 3	forwarder operator, level 4	harvester operator, level 4	of a forester, level 4	forest specialist, level 5
1	Setting goals and planning					sets clear goals, plans activities
i	activities					and takes into account possible
						changes;
2	Monitoring the production					changes; monitors observance of deadlines
2	Monitoring the production process					changes;
2	- '					changes; monitors observance of deadlines and stages during the production process;
3	- '					changes; monitors observance of deadlines and stages during the production
	process					changes; monitors observance of deadlines and stages during the production process;
	process					changes; monitors observance of deadlines and stages during the production process; analyses information related to
	process					changes; monitors observance of deadlines and stages during the production process; analyses information related to the production process; organises
	process					changes; monitors observance of deadlines and stages during the production process; analyses information related to the production process; organises resources for performing tasks;
	process					changes; monitors observance of deadlines and stages during the production process; analyses information related to the production process; organises resources for performing tasks; takes fast and clear decisions based also on inadequate
	process					changes; monitors observance of deadlines and stages during the production process; analyses information related to the production process; organises resources for performing tasks; takes fast and clear decisions based also on inadequate information (also tough decisions
	Analysing and organising					changes; monitors observance of deadlines and stages during the production process; analyses information related to the production process; organises resources for performing tasks; takes fast and clear decisions based also on inadequate information (also tough decisions and those involving risk);
3	process					changes; monitors observance of deadlines and stages during the production process; analyses information related to the production process; organises resources for performing tasks; takes fast and clear decisions based also on inadequate information (also tough decisions and those involving risk); assumes responsibility for the
3	Analysing and organising					changes; monitors observance of deadlines and stages during the production process; analyses information related to the production process; organises resources for performing tasks; takes fast and clear decisions based also on inadequate information (also tough decisions and those involving risk);

5	Teamwork	understands one's part in the	understands one's part in the	understands one's part in the	understands one's part in the	collaborates with customers and
		technological chain of stocking up	technological chain of stocking up	technological chain of stocking up	technological chain of stocking	partners;
		timber – the purpose of the	timber – the purpose of the cutting,	timber – the purpose of the	up timber – the purpose of the	







6	Economical use of tools and	cutting, collection, transport and use of the assortment – and participates in teamwork;	collection, transport and use of the assortment – and participates in teamwork; uses materials and tools prudently	cutting, collection, transport and use of the assortment – and participates in teamwork; uses materials and tools prudently	cutting, collection, transport and use of the assortment;	develops the environmentally
	materials	prudently and economically and works in view of the company's profitability;	and economically and works in view of the company's profitability; offers viable solutions;	and economically and works in view of the company's profitability; offers viable solutions;	prudently and economically and works in view of the company's profitability;	responsible attitude of employees;
7	Arranging one's activities				arranges one's activities and adapts one's behaviour according to a situation, understands one's contribution to the company;	
8	Participating in teamwork				successfully participates in teamwork and politely communicates with customers and co-workers;	
9	Individual development				develops oneself professionally, learns and obtains new work practices, methods and techniques;	develops oneself professionally, learns and obtains new work practices, methods and techniques;
10	Evaluation of risk factors and environmental protection	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;	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;	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;	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;	assesses risk factors; avoids and prevents the occurrence of damage to forest, soil or the environment and applies measures to manage risks, knows how to behave in emergencies (e.g. forest fire), provides emergency care in the case of an accident and summons professional help;
11	Compliance with working environment and occupational safety	complies with working environment and occupational safety requirements by using occupational health and safety equipment and safe work practices;	complies with working environment and occupational safety requirements by using occupational health and safety equipment and safe work practices;	complies with working environment and occupational safety requirements by using occupational health and safety equipment and safe work practices;	complies with working environment and occupational safety requirements by using occupational health and safety equipment and safe work practices;	

12	Action in case of an accident	in case of an accident, provides	in case of an accident, provides	in case of an accident, provides	in case of an accident,	
		emergency care, calls	emergency care, calls professional	emergency care, calls professional	provides emergency care, calls	







		professional help as required,	help and informs the employer	help and informs the employer	professional help and informs	
		and informs the employer about	about the accident;	about the accident;	the employer about the	
		the accident.			accident;	
13	Using a computer		uses a computer in one's work at	uses a computer in one's work at	uses a computer in one's work	uses a computer in one's work:
			level AO2 (see Annex 1);	level AO2 (see Annex 1);	at a basic level: AO1–AO4 and	AO1–AO5 and AO7 (see Annex 1);
					the internet AO7 (see Annex	
					2).	
14	Language skills		uses Estonian at level B2 and at	uses Estonian at level B2 and at	communicates in Estonian at	uses Estonian at level B2 and at
			least one foreign language at level	least one foreign language at level	level B1 (see Annex 1);	least one foreign language at level
			A1 in one's work (see Annex 2).	A1 in one's work (see Annex 2).		A1 in one's work (see Annex 2).







Annex 4

# **Definitions**

- \* Mensurational characteristics a set of characteristics of a stand compartment.
- \* Arranging forest management activities arranging and supervising work performed in the forest (forest tending, stocking up timber, timber hauling, wood chipping and forest improvement).
- \* Forest survey collecting data on the condition of forest and the volume of growing stock, advising forest owners and planning long-term forest management activities.