EUROPASS CERTIFICATE SUPPLEMENT (*)

1. Title of the certificate (LT)[1]
Profesinio mokymo diplomas. Orlaivių mechaniko modulinė profesinio mokymo programa (valstybinis kodas T43104108)
[1]in original language

2. Translated title of the certificate (EN)[1]
Qualified worker's Diploma. Aircraft mechanic modular vocational training programme (state code T43104108)
[1]If applicable. This translation has no legal status.

3. Profile of skills and competences

Competences of qualification:
1. Perform arithmetic actions.
2. Perform algebraic actions.
3. Apply geometric knowledge.
4. Describe the materials.
5. Describe the main statistical laws.
6. Describe the main laws of kinetics.
7. Describe the basic concepts of dynamics.
8. Apply the main laws of fluid dynamics.
9. Apply main temperature scales and heat.
10. Describe the theory of electrons.
11. Describe static electricity and conductivity.
12. Describe the terminology of electronics.
13. Describe the generation of electricity.
14. Describe the direct current sources.
15. Describe the theory of alternating current.
16. Describe the systems of electronic devices.
17. Describe the basic terms of computer structure.
18. Describe devices that are sensitive to electrostatic discharge.
19. Describe aerial substances containing iron.
20. Describe aerial substances that do not contain iron.
21. Describe composite and non-metallic materials (except wood and fabric).
22. Describe wooden constructions.
23. Describe aircraft fabric covering.
24. Apply knowledge of corrosion.
25. Measure the screw threads.
26. Use bolts, studs and screws.
27. Use locking devices.
28. Describe aerial rivets.
29. Use pipes and fittings.
30. Describe bearings.
31. Describe gears.
32. Describe control lines.
33. Describe electric wires and connections.
34. Take precautionary measures.
35. Work safely at workshops.
36. Use tools.
37. Read engineering drawings, diagrams and standards.
38. Describe joints and gaps.
39. Describe electric wiring system.
40. Installation of rivets.
41. Install pipes and hoses.
42. Check springs.
43. Clean bearings.
44. Check gears.
45. Check control lines.
46. Carry out maintenance and storage of aircraft.
47. Apply the methodology for dismantling, inspection, repair and installation.
48. Carry out an inspection after an unusual event.
49. Describe maintenance procedures.
50. Describe atmospheric physics.
51. Describe laws of aerodynamics.
52. Know flight theory.
53. Describe flight stability and dynamics.
54. Describe human factors.
55. Describe human possibilities and their limits.
56. Apply the basics of social psychology.
57. Describe factors affecting human possibilities.

58. Describe the physical environment.
59. Describe job assignment.
60. Communicate in teams and between teams.
61. Describe human mistakes.
62. Describe workplace hazard.
63. Describe regulatory framework.
64. Describe the functions of authorized personnel.
65. Describe the functions of approved maintenance organization.
66. Describe aircraft documentation.
67. Ensure airworthiness.
68. Describe the existing national and international requirements.
69. Describe airplane aerodynamics and steering systems.
70. Describe the flight at high speed.
71. Apply general concepts of airframe structures.
72. Describe airframe structures.
73. Describe air conditioning and cabin overpressure system.
74. Describe devices and systems of avionics.
75. Describe power plant.
76. Describe devices and equipment.
77. Know fire protection.
78. Describe steering systems.
79. Describe fuel systems.
80. Describe hydraulic systems.
81. Describe ice and rain protection.
82. Describe the chassis.
83. Describe lighting systems.
84. Describe oxygen systems.
85. Describe pneumatic/vacuum systems.
86. Describe water supply/waste systems.
87. Describe internal aircraft maintenance systems.
88. Describe the Integrated Modular Avionics.
89. Describe passengers cabin systems.
90. Describe information systems.
91. Know the basics of physics.
92. Maintain air intake diffusers.
93. Describe compressors.
94. Describe combustion chamber.
95. Maintain turbine.
96. Describe exhaust tube.
97. Describe lubricants and fuel.
98. Describe lubrication system.
99. Describe fuel systems.
100. Describe air systems.
101. Describe startup and ignition systems.
102. Describe engine display systems.
103. Describe turbo propellers.
104. Describe turbo-charged motors.
105. Describe plants‘ equipment.
106. Describe fire protection systems.
107. Know engine maintenance and ground handling
108. Know propeller basics.
109. Describe propeller construction.
110. Describe propeller shift mechanism.
111. Describe propeller protection against icing.
112. .Describe maintenance of propeller.
113. Describe propeller storage and preservation.

4. Range of occupations accessible to the holder of the certificate[1]

Aircraft mechanic activity object: carry out scheduled aircraft pre-flight inspection, eliminate defects and violations that could affect safe operation.

[1] If applicable

(*) Explanatory note
This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

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5. Official basis of the certificate

Name and status of the body awarding the certificate Legal entity with licence to provide formal vocational training programmes	**Name and status of the national/regional authority providing accreditation/recognition of the certificate** Ministry of Education and Science of The Republic of Lithuania
Level of the certificate (national or international) ISCED 454; LTKS IV; EKS 4	**Grading scale / Pass requirements** 10 grade scale. A Pass Grade -
Access to next level of education/training Possibility to continue studies at the higher level of education programme	**International agreements**

Legal basis
Law on Education of the Republic of Lithuania
Law on Vocational Education and Training of the Republic of Lithuania
Resolution No. 535 of 4 May 2010 of the Government of the Republic of Lithuania "On the approval of the description of the National Qualifications Framework

6. Officially recognised ways of acquiring the certificate

Aggregate duration of learning required to get the certificate (in weeks): 0
Ratio of theoretical and practical learning (%): /
Duration and place of apprenticeship (in weeks): (0)

Possibility to include passed education: passed education included by evaluating the knowledge

Description of vocational education and training received	Part of programme (%)	Duration (in weeks)
School-/training centre-based		0
Workplace-based		0
Accredited prior learning		
Total duration of the education/ training leading to the certificate		0

Entry requirements

Additional information

More information (including the description of the national system of qualifications) at:
www.aikos.smm.lt, www.europass.lt, www.euroguidance.lt, www.kpmpc.lt

The National Reference Points:
www.europass.lt, www.smpf.lt