



## 1. Title of the certificate (LT)<sup>1</sup>

Profesinio mokymo diplomas. Laivų sistemų ir įrenginių montuotojo modulinė profesinio mokymo programa (valstybinis kodas P43071601)

<sup>1</sup>in original language

## 2. Translated title of the certificate (EN)<sup>1</sup>

Qualified worker's Diploma. Ship systems and equipment installer modular vocational training programme (state code P43071601)

<sup>1</sup>If applicable. This translation has no legal status.

## 3. Profile of skills and competences

### Competences of qualification:

1. To prepare the workplace for metalworking performing.
  2. To use measurement tools and devices.
  3. To perform metalworking operations by using manual and mechanized tools and equipment.
  4. To perform works by manual electrolytic arc welding electrodes.
  5. To weld pipe joints in various positions.
  6. To prepare the workplace for gas and plasma metal cutting.
  7. To mark sheets, tubes, profile incisions places.
  8. To perform gas and plasma metal cutting operations.
  9. To prepare the workplace for ship systems assembling.
  10. To select structural elements for installation of onboard and deck equipment.
  11. To weld the mounting details on the ship hull.
  12. To prepare the place for the ship systems pipes preparation and assembly of nodes.
  13. To mark and cut pipe systems of ships.
  14. To produce templates.
  15. To bend the pipes of the ship systems.
  16. To process pipe ends for different pipe connection types.
  17. To perform the hydraulic testing of ship pipe systems.
  18. To select structural elements of piping assemblies according to technical documentation.
  19. To assemble pipeline nodes.
  20. To install ship system pipelines on board.
  21. To carry out dismantling and marking of ship systems on board.
  22. To eliminate defects repairing pipes and fittings in the workshop.
  23. To install and dismantle the ship equipment and heat exchangers.
  24. To perform restoration of heat exchangers.
  25. To perform leak tightness tests.
  26. To perform repairs of pumps, coolers and heaters.
  27. To prepare pipe joints for semi-automatic pipe welding of fusion electrode in a protective gas environment.
  28. To weld pipe joints in various positions by electrolytic semi-automatic welding fusion electrode in a protective gas environment.
  29. To prepare pipe connection for welding pipes with a non-melting tungsten electrode in a protective gas environment.
  30. To weld pipe connections by a non-melting tungsten electrode in a protective gas environment in various positions.
- Optional:
31. To complete tools for deck and onboard installation work.
  32. To position the deck and onboard equipment at the installation site.
  33. To install deck and onboard equipment.
  34. To prepare a workplace for the installation work of exhaust systems on board.
  35. To select structural elements for installation of exhaust systems.
  36. To prepare exhaust system pipes and mounting elements.
  37. To assemble exhaust system equipment.

## 4. Range of occupations accessible to the holder of the certificate<sup>1</sup>

A person who has acquired the ship systems and equipment assembler skills, will be able to work as systems and equipment installers in shipbuilding and ship repair companies, industrial and civil engineering, in installation companies or to engage in individual activity. Team work shifts indoors and outdoors. The work is guided by the technical documentation, using the locksmith tools, pipe preparation, bending devices and equipment, cutting and welding equipment, hydraulic testing equipment, ship equipment and heat exchangers. An employee schedules activities according to the given tasks using the help of a higher qualified employee.

<sup>1</sup> 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

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

<b>Aggregate duration of learning required to get the certificate (in weeks): 0</b>		
<b>Ratio of theoretical and practical learning (%): /</b>		
<b>Duration and place of apprenticeship (in weeks): (0)</b>		
<b>Possibility to include passed education:</b> passed education included by evaluating the knowledge		
<b>Description of vocational education and training received</b>	<b>Part of programme (%)</b>	<b>Duration (in weeks)</b>
School-/training centre-based		0
Workplace-based		0
Accredited prior learning		
<b>Total duration of the education/ training leading to the certificate</b>		0
<b>Entry requirements</b>		
<b>Additional information</b>		
More information (including the description of the national system of qualifications) at: <a href="http://www.aikos.smm.lt">www.aikos.smm.lt</a> , <a href="http://www.europass.lt">www.europass.lt</a> , <a href="http://www.euroguidance.lt">www.euroguidance.lt</a> , <a href="http://www.kpmc.lt">www.kpmc.lt</a>		
<b>The National Reference Points:</b> <a href="http://www.europass.lt">www.europass.lt</a> , <a href="http://www.smpf.lt">www.smpf.lt</a>		