

13. SII-Service lift and climb assistance (yearly)

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Wind turbine type

Read the full document before you start to do work.

Send questions or concerns about the document to Vestas Wind Systems A/S.

Wind turbine type	Mk version
EnVentus™	Mk 0A

Change description

Description of changes
Updated the version of the document.

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1 Safety

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All work relating to a Vestas wind turbine, including work methods and practices, employee training and protective measures, and use of tools and equipment, shall be in accordance with the requirements of the applicable governmental and private occupational safety and health codes and standards. Employers engaged in such work are also required to be familiar with and comply with the wind turbine-specific 'Safety regulations for operators and technicians' manual for the relevant wind turbine type. Vestas shall not be responsible for any liabilities arising from failure to comply with such requirements. Vestas reserves the right to inspect such work to ascertain such compliance.

The service technician must read and understand the PPE sheets for each of the chemicals used or work done in this instruction. The PPE sheets describe the correct personal protective equipment to wear for the specific work. If in doubt about the PPE requirements for the work, contact the site responsible or the line manager and confirm the correct procedure before starting the work.

Read the full document before you start to do work.

If you have any doubts about technical or safety issues while you do the work, stop your activities and contact your supervisor or local HSE. Make sure that you register the findings on the dedicated platform – ENABLON.

2 Educational requirements of service technician

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At least 2 of the service technicians who do work in a wind turbine must be able to prove that they have a valid GWO basic safety training certificate.

At least 1 service technician must hold the wind turbine-specific training course certificate for the wind turbine in question.

Some tasks require one or more advanced training modules or job-specific training, as described in the Vestas technical training programme. The person who plans a specific task must make sure that the service technicians involved have the proper know-how for the completion of that task.

Make sure that the technicians are certified for the installation and operation of service lift.

3 Abbreviations and technical terms

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Table 3.1: Abbreviations

Abbreviation	Explanation
LOTO	Lockout-tagout
SDS	Safety data sheet

Table 3.2: Explanation of terms

Term	Explanation
None	

4 Referenced documentation

4.1 Safety documents

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Table 4.1: Safety documents

Document no.	Title
0001-0410	Personal protective equipment sheets
0004-4159	Standardised procedure risk assessment (SPRA)
0092-3874	Rotor locking system
0092-3919	Safety regulations for operators and technicians
0094-2383	Mode selector system
	Relevant SDS for the chemicals used in this document
	Appropriate LOTO document

4.2 Reference documents

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Table 4.2: Reference documents

Document no.	Title
920098	Torque wrench settings
960501	Bolt connections
0040-3585	Avanti installation and maintenance manual
0065-3482	Standard service tools
0090-0860	Service lift operation and installation manual
0092-6117	Wind turbine service lift operating instruction - Sherpa-SD4
0103-1949	Hailo maintenance manual



Unless it is specified differently, see 920098 'Torque wrench settings' for information about bolt types and bolt lubrication, and see 960501 'Bolt connections' for information about torque values.

5 Purpose

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The purpose of this document is to give the instructions for how to do the yearly inspection of the service lift and the climb assist equipment.

6 Note

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This document gives the description of the service inspections that must be done during the yearly inspection. Unscheduled replacement procedures are not included in the yearly inspection. If it is necessary to make an unscheduled replacement, then make a note of it in the service report.

7 Service lift and climb assistance

7.1 To do a check of the service lift and the climb assist equipment

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An emergency stop button is installed in the service lift. This button is applicable to the service lift only. Conversely, other emergency stop buttons in the wind turbine are not applicable to the service lift.



The service technician must have completed the necessary course to do a check of the service lift and the climb assist equipment.

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- 1 Do a check of the service lift according to the supplier's user manual.

See 'Power Climber® operation manual of service lift' and 'Avanti installation and maintenance' in section 'Reference documents'.

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- 2 Do a check of the climb assist according to the user manual of the supplier.
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