

12. SII-High voltage (yearly)

Document no.: 0093-1903 V11

Class: CONFIDENTIAL

Type: T09

Date: 2025-09-30

Vestas proprietary notice

This document contains valuable confidential information of Vestas Wind Systems A/S. It is protected by copyright law as an unpublished work. Vestas reserves all patent, copyright, trade secret, and other proprietary rights to it. The information in this document may not be used, reproduced, or disclosed except if and to the extent rights are expressly granted by Vestas in writing and subject to applicable conditions. Vestas disclaims all warranties except as expressly granted by written agreement and is not responsible for unauthorised uses, for which it may pursue legal remedies against responsible parties.

© 2016 Vestas. All rights reserved.

Trademarks and permissions

The trademarks that follow are registered trademarks of **Vestas Wind Systems A/S**: CoolerTop®, GridStreamer™, Vestas®, Vestas Converter Unity System™/ VCUSTM, Vestas Tower Crane®, VestasOnline® Power Plant Controller, VestasOnline® ControlCentre, VestasOnline® OPC Server, VMP Global™, VestasOnline® Toolkit.

All other trademarks mentioned in this document are the property of their respective owners.

All other trademarks, trade names, service marks, product names, and logos contained herein are used in an editorial fashion only, and to the benefit of the respective owners, with no intention of trademark infringement.

Document update

The contents of this document are subject to change without notice. All statements, instructions, and recommendations are believed to be correct at time of release, but changes are the result of continued progress in the product, methods, procedures, and manufacturing. Users must take full responsibility for their deployment and maintenance of any products.

For answers to questions about Vestas products or publications, contact your local Vestas representative.

Head office

Vestas Wind Systems A/S
Hedeager 42
8200 Aarhus N
Denmark

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.

Table of Contents

1 **Abbreviations and technical terms** 5

2 **Referenced documentation**..... 5

2.1 Safety documents..... 5

2.2 Reference documents 5

3 **Purpose** 6

4 **Note** 6

5 **High voltage** 6

1 Abbreviations and technical terms

0021712118

Table 1.1: Abbreviations

Abbreviation	Explanation
HV	High voltage
LOTO	Lockout-tagout
SDS	Safety data sheet
SIF	Service inspection form
SPRA	Standardised procedure risk assessment

Table 1.2: Explanation of terms

Term	Explanation
None	

2 Referenced documentation

2.1 Safety documents

0029118436

Table 2.1: 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	Operating mode selector system
	Relevant SDS for the chemicals used in this document
	Appropriate LOTO document

2.2 Reference documents

0029118435

Table 2.2: Reference documents

Document no.	Title
0094-4149	Inspection of the transformer, the transformer room, and the HV switchgear
0094-4152	SIF for inspection of the transformer, the transformer room, and the HV switchgear

Document no.	Title
920098	Torque wrench settings
960501	Bolt connections



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.

3 Purpose

0016776590

The purpose of this document is to give the instructions for how to do the yearly inspection of the high-voltage systems.

4 Note

0016770707

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.

5 High voltage

0021712120



If it is necessary to go into the transformer room, contact the electricity grid company to disconnect the main grid.

- 1 Do an inspection of the HV transformer, the transformer room, and the HV switchgear according to 'Inspection of transformer, transformer HV switchgear' and 'SIF for inspection of the transformer, the transformer room, and the HV switchgear' given in section 'Reference documents'.