

M211933EN-A

Technical Reference

Backing up and Restoring Windows 10 for
Sounding System

MW31 and MW41

VAISALA

PUBLISHED BY

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1. About This Document

1.1 Version Information

Table 1 Manual Revisions

Manual Code	Description
M211933EN-B	August 2017. Updated information on the recovery media USB stick.
M211933EN-A	November 2016. First version.

1.2 Documentation Conventions

Throughout the manual, important safety considerations are highlighted as follows:



WARNING! Warning alerts you to a serious hazard. If you do not read and follow instructions very carefully at this point, there is a risk of injury or even death.



CAUTION! Caution warns you of a potential hazard. If you do not read and follow instructions carefully at this point, the product could be damaged or important data could be lost.



Note highlights important information on using the product.

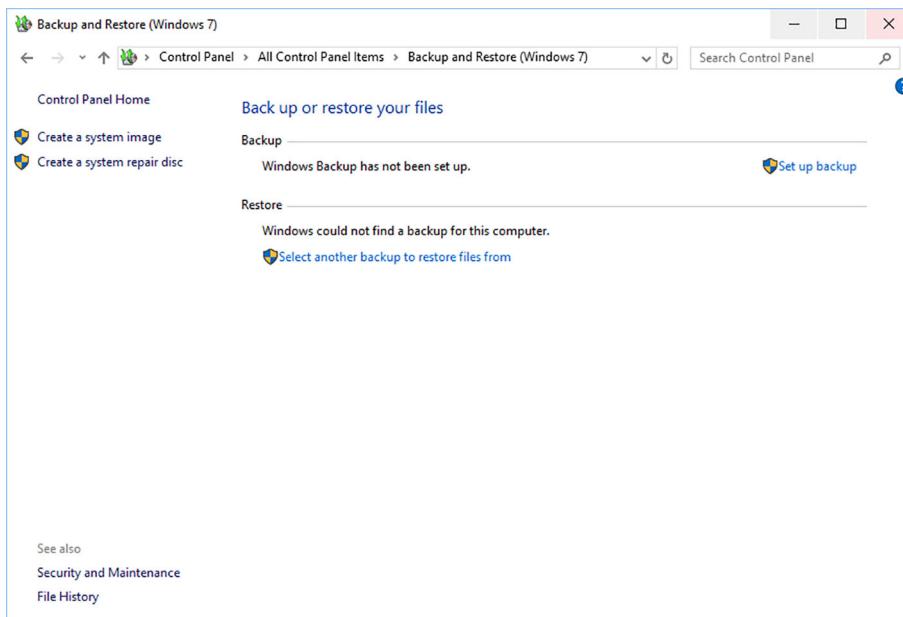
2. Backing up the PC



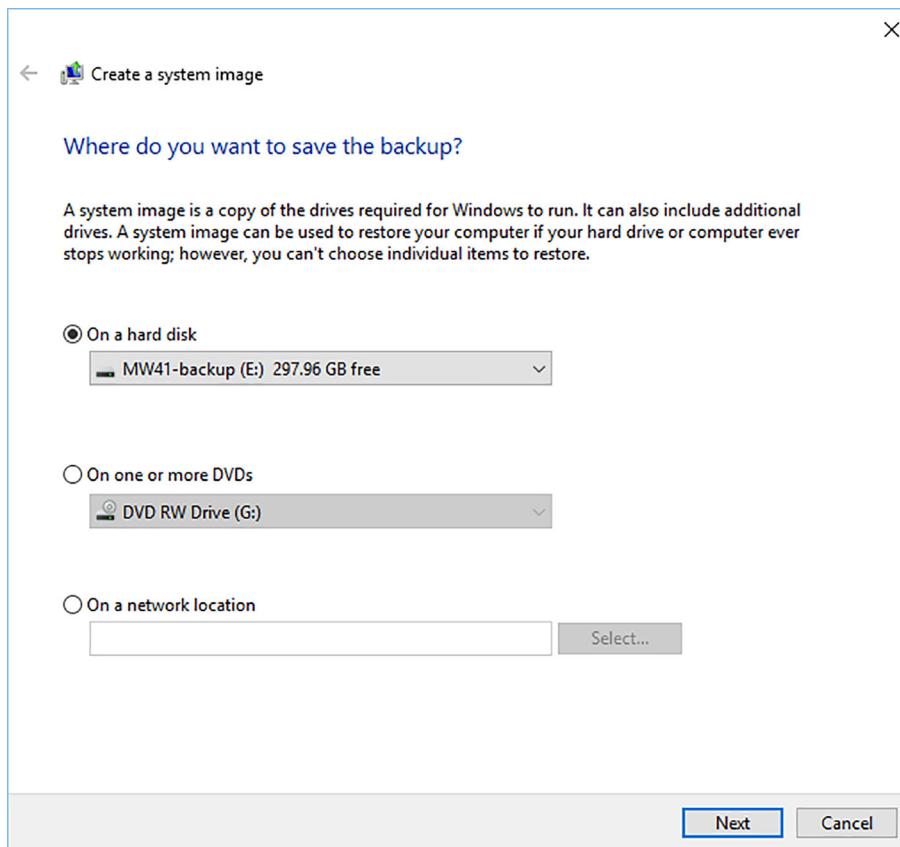
Complete PC backups are meant for disaster recovery scenarios. Restore of individual files is not supported.

These instructions are applicable when you have Windows 10 operating system installed on your computer, delivered to you from Vaisala.

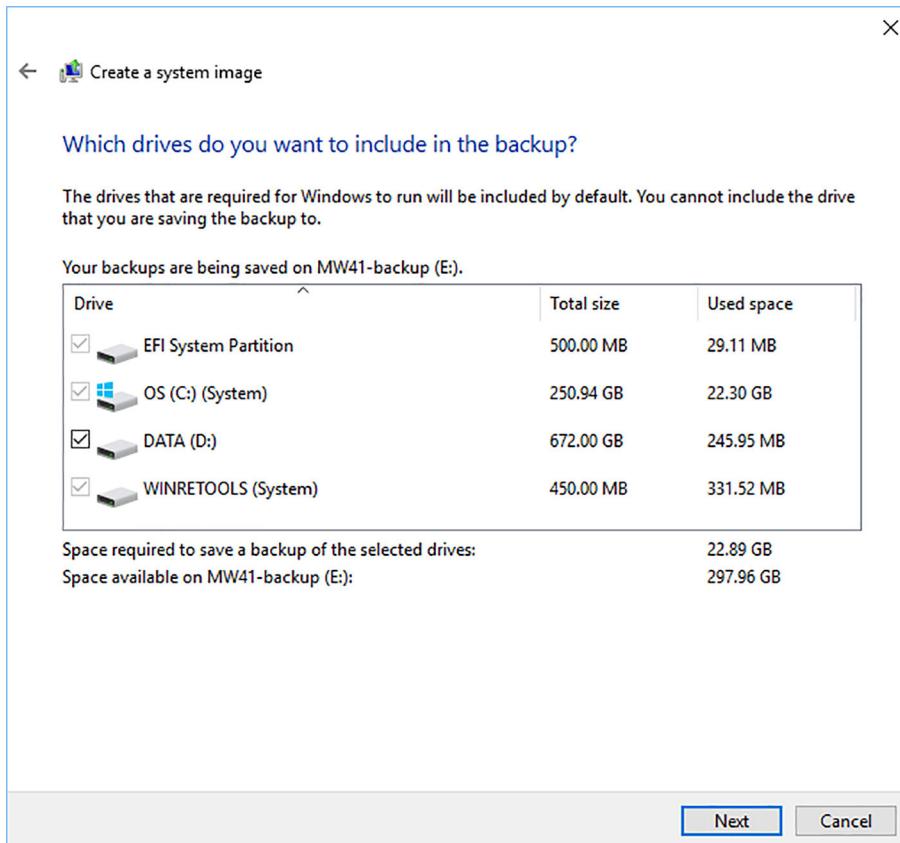
- 1. Connect the external USB disk to the PC.
- 2. Click the **Start** button and go to **Windows System > Control Panel (View by Small Icons) > Backup and Restore**. Select **Create a system image** from the upper left corner.



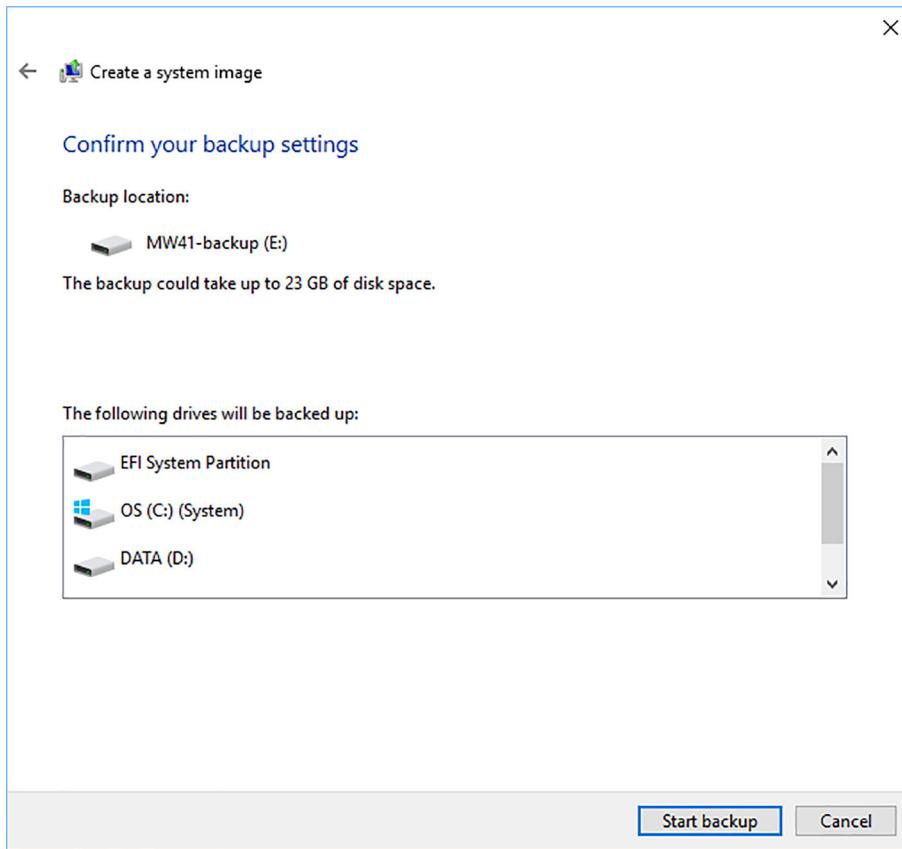
3. Save the backup image to the external USB hard disk (default location). Select **Next**.



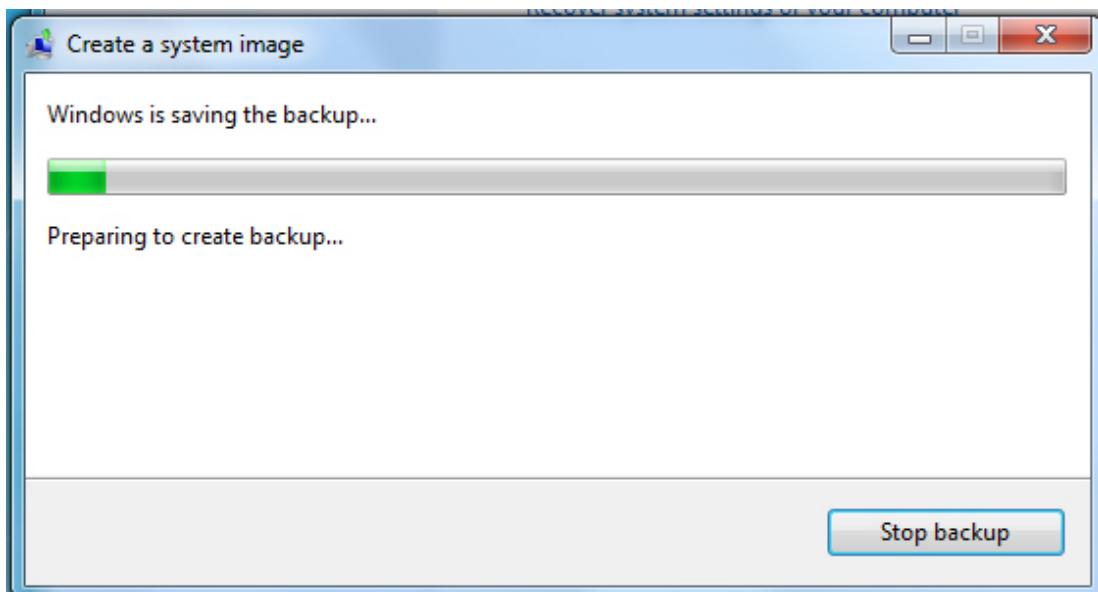
4. The system drive C: and other system partitions are selected by default as the drives included in the backup and you cannot deselect them. Select the D: drive and **Next**.



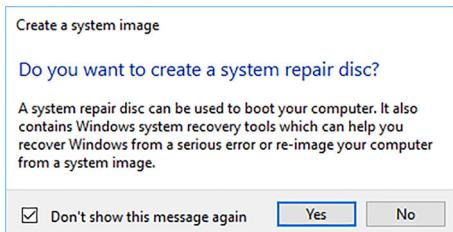
5. Confirm the backup settings and select **Start backup**.



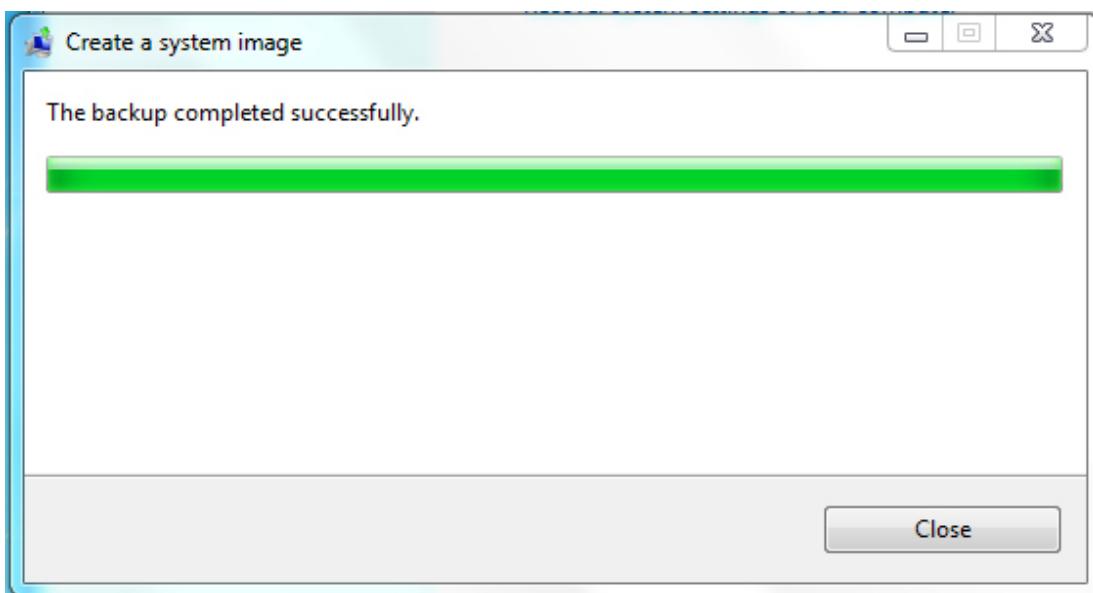
The backup begins.



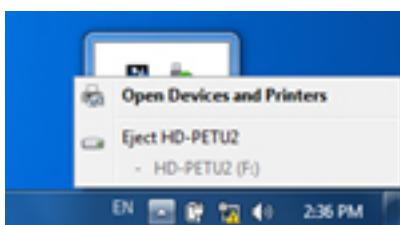
6. If this window appears, select **Don't show this message again** and **No**.



7. The backup has now been created successfully. Select **Close**.



8. Remove the USB disk.

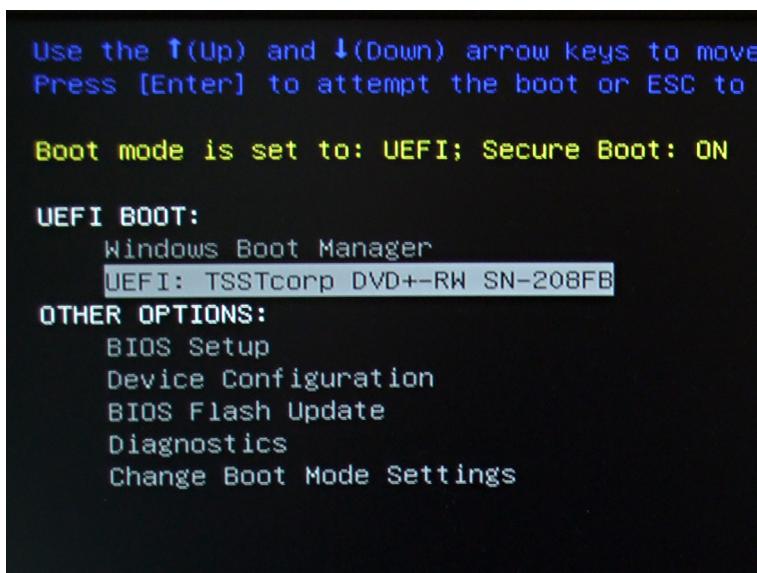


Next time you make Complete PC Backup to the same drive, the program will only back up the differences between the latest backup and the current state of your computer, allowing the backup to complete faster.

3. Restoring the PC

Follow these steps to restore either the entire PC or a system drive only.

- ▶ 1. Insert the Dell operating system DVD into the CD/DVD drive or plug in the Dell recovery media USB stick.
- 2. Turn on the PC.
- 3. Press **F12** to display the boot options.
- 4. Select **UEFI: DVD or UEFI: Dell recovery USB** and connect the external USB disk that includes the image you want to restore.



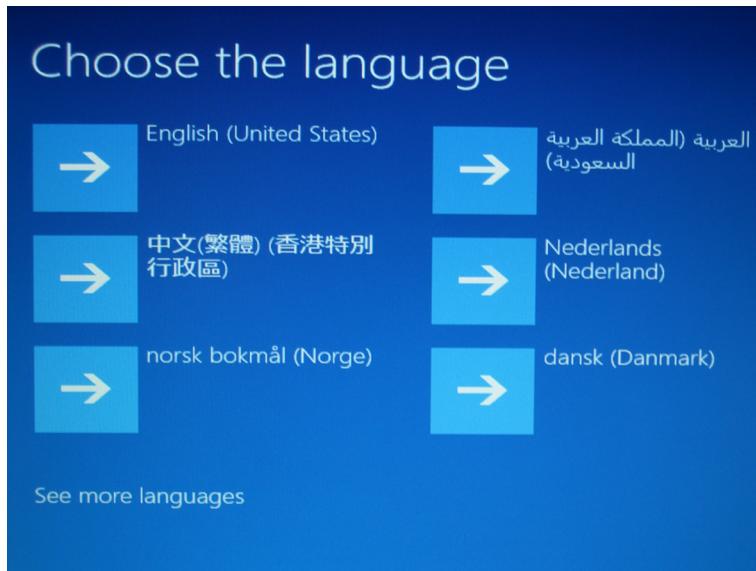
If the drive is not listed, press **CTRL - ALT - DEL** and press **F12** again to display the boot options.

- 5. Press any key to boot from the DVD when the following message appears.



Windows starts loading the recovery media.

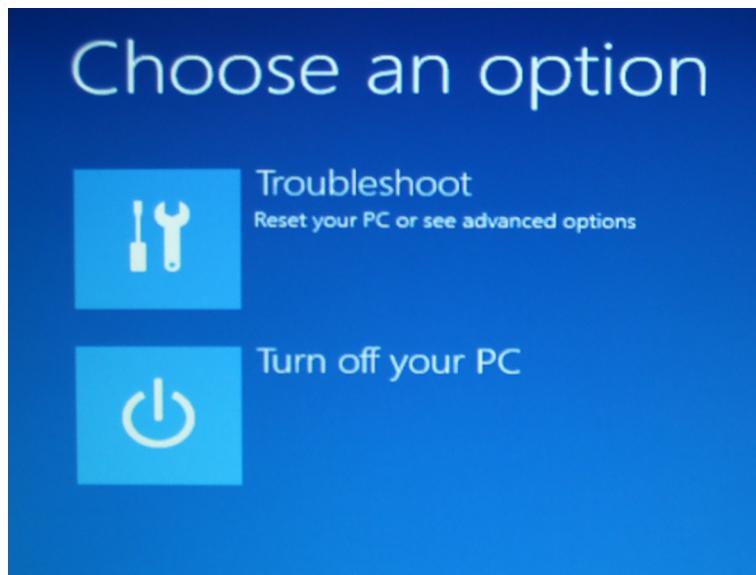
6. In the following window, select **English (United States)**.



7. Select **United Kingdom** for the keyboard layout and **Next**.



8. Select **Troubleshoot**.



9. Select **Advanced Options**.



10. If you are restoring to a new or an empty hard drive, select the command prompt and disconnect the external USB drive. Enter the commands

Diskpart

Select disk 0

Clean

Create partition size = 100 Align = 4096

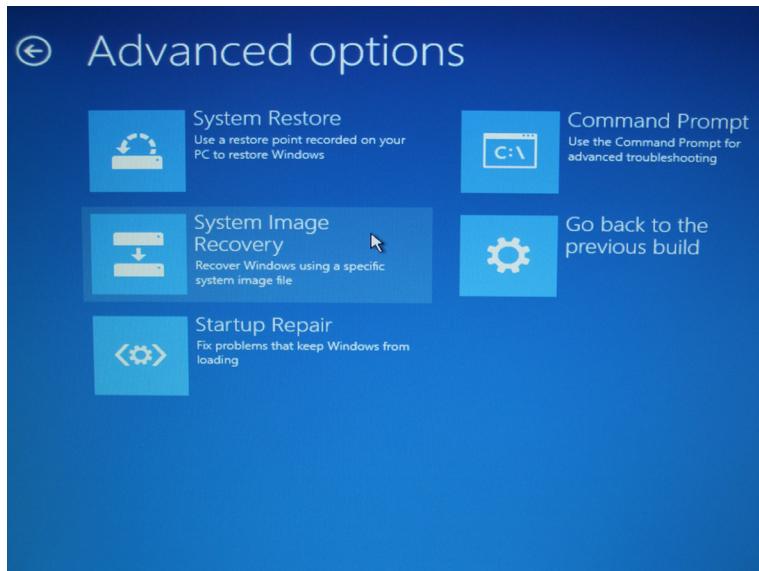
Format quick FS = NTFS

Active

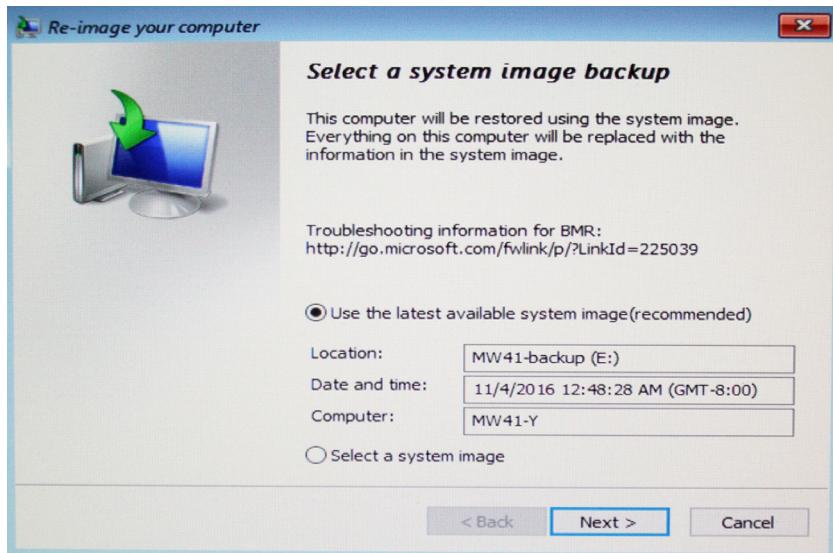
Exit

Exit

11. Select **System Image Recovery** and the target operating system, if prompted.



12. Select **Use the latest available system image** and **Next**.



In the following steps, you can choose between restoring the entire PC (see [step 13](#)), or restoring the system disk only (see [step 14](#)).

13. Restoring the entire PC:

Select **Format and repartition disks** and **Next**.

The message "Your computer will be restored from the following system image" will be displayed and both C: and D: drives and the EFI system partition are listed in the **Drives to restore** field. Select **Finish**.

14. Restoring the system disk:

When restoring only the C: drive, select the **Only restore system drives** check box and **Next**.

Only C: drive is listed in the **Drives to restore** field. Select **Finish**.

15. Answer **Yes** to question "Are you sure you want to continue?" Windows starts restoring your computer from the system image and a progress bar is displayed.

16. When the restoring process is finished, select **Restart now** to restart your computer.

After the restart, your computer will use the image you loaded.

Technical Support



Contact Vaisala technical support at helpdesk@vaisala.com. Provide at least the following supporting information:

- Product name, model, and serial number
- Name and location of the installation site
- Name and contact information of a technical person who can provide further information on the problem

For more information, see www.vaisala.com/support.

Warranty

For standard warranty terms and conditions, see www.vaisala.com/warranty.

Please observe that any such warranty may not be valid in case of damage due to normal wear and tear, exceptional operating conditions, negligent handling or installation, or unauthorized modifications. Please see the applicable supply contract or Conditions of Sale for details of the warranty for each product.

Recycling



Recycle all applicable material.



Follow the statutory regulations for disposing of the product and packaging.

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