

A350

ACE SUITE

INSTALLATION GUIDE

Rtr: V0G25FT0
Ref: VB817421 /
VB917421/

**This document must be used
for training purpose only.**

**Under no circumstances
should this document be used as a reference.**

**No part of this manual may be reproduced in any form,
by any means,
without the prior written permission of Airbus SAS.**

AIRBUS

1, rond-point Maurice Bellonte

31707 Blagnac Cedex

FRANCE

© AIRBUS S.A.S 2017. All rights reserved.



AIRBUS Environmental Recommendation

« Please consider your environmental responsibility before printing this document »

TABLE OF CONTENTS

Pages

1. INTRODUCTION.....	1
1.1. Purpose/Applicability	1
2. INSTALLATION.....	2
2.1. Complexity Level (For Airbus Internal Usage Only)	2
2.2. Prerequisites.....	3
2.2.1. Hardware.....	3
2.2.2. Software	3
2.2.3. Configuration	5
2.3. Installation	10
2.3.1. Uninstall previous version of the ACE Suite A350.....	10
2.3.2. ACE Suite installation.....	10
2.3.3. License	14
3. TEST PLAN	17
3.1. Technical Checks.....	17
3.1.1. Use of Utilities	17
3.2. Functional Checks	18
3.2.1. Start the ACE Suite	18
3.2.2. Stop the ACE Trainer.....	19
3.2.3. ACE User Guide on line.....	19
4. UNINSTALLATION	20
4.1. Backup your license file.....	20
4.1.1. ACE version 1.5.6:	20
4.1.2. ACE version 2.x.x:	20
4.2. Uninstall procedure.....	20
4.3. Cleaning Operations	22
5. CLEAN- REINITIALIZE CONFIGURATION	24
5.1. Delete your local LMS account	24

5.2. Remove ACE_Trainer Temporary Files	26
5.3. Remove OP_Trainers Temporary Files	26

■ Revision Status

ISSUE	ISSUER	DATE	REASON FOR REVISION
01	TOUGNE Olivier	14/11/2017	Document creation for ACE Suite v2.4

THIS PAGE INTENTIONALLY LEFT BLANK


1. INTRODUCTION

1.1. Purpose/Applicability

The purpose of this procedure is to describe the method to install the *ACE SuiteA350*.

This guide is applicable to **ACESuiteA350 v2.4** version.

The following Airbus software shall be installed on the computer **prior to the ACE Suite installation**. Their installation is not part of the ACE Suite installation process.

EFB : provided by 

Only the EFB “FlySmart with Airbus A350 XWB” (EFB class 2) is supported with the A350 Airbus Suite, in Metric version, with the FCOM manual included.

EFB Event Panel: provided by Airbus.

The EFB Event Panel can be launched from the APPLI menu bar of the ACE launcher

The Flight Smart with Airbus can be launched from the ACE launcher APPLI menu.

- **OLB**: provided by Airbus.
The **Operational Library Browser** (OLB) can be launched from the ACE Trainer bottom menu bar.

Acronyms

ACE	Airbus Cockpit Experience
FSA	FlySmart with Airbus
FCOM	Flight Crew Operating Manual
OLB	Operational Library Browser
LPC NG	Less Paper in the Cockpit New Generation

2. INSTALLATION

2.1. Complexity Level (For Airbus Internal Usage Only)

Installation file

- ☒ - .msi File
- ☐ - .exe file
- ☐ - Installation script .bat / .vbs / .ps1
- ☐ - Simply copy files to the machine

Size of Product

- ☐ - Less than 1GB
- ☒ - More than 1 GB (or install time >30min)

Access Rights

- ☐ - No privileges necessary

If the Product run in user mode without any privileges

- ☒ - Access right necessary

If the Product needs additional permissions to use the Product (AD group, access to license server).

Server Connection

- ☒ - No server

If there is no Server

- ☐ - One License server connection

If the product has to connect to a dedicated license server

- ☐ - Several License server

If there is a pull of several license servers

Package Language

- ☒ - Static language

If the Product has only one language set at the installation (static).

- ☐ - Language dynamic

If the language of the Product has to change according to the language of the computer (dynamic change)

2.2. Prerequisites

2.2.1. Hardware

The hardware must comply with the last specification as per document:

“Flight_Crew_Computer_Technical_Specification_04

2.2.2. Software



The ACE Suite shall be installed on:

- Windows 8.1 Enterprise or Professional operating system 64 bits
- Windows 10 Enterprise operating system 64 bits

Recommendation

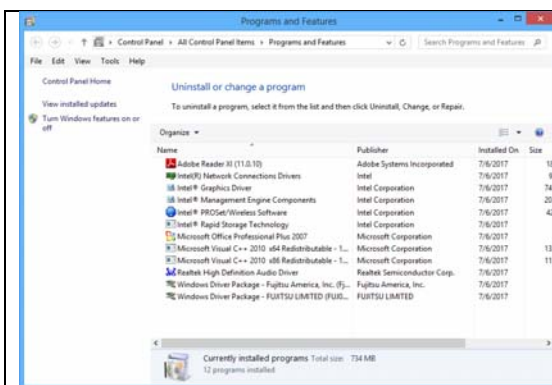
Before launching this installation, **update your machine to last patch level using Windows Update.**



You need an internet connection to install all required software

The following software need to be installed on the computer:

2.2.2.1. Microsoft .Net Framework 3.5

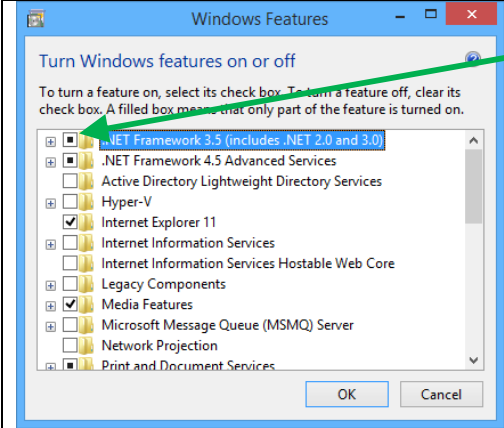
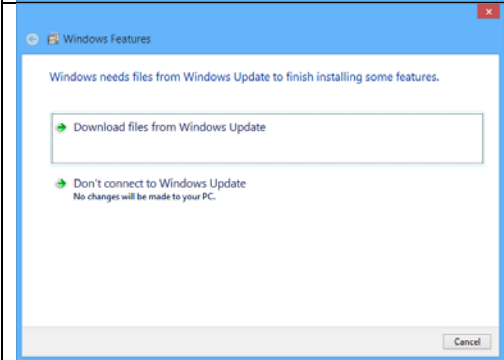
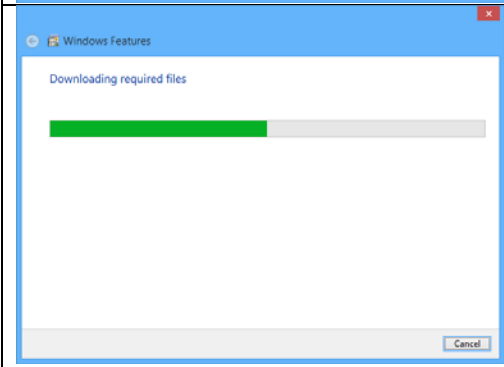
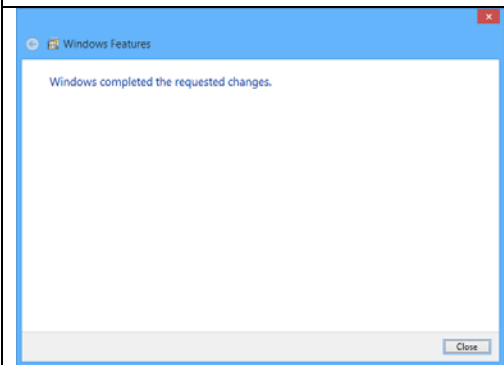


Windows 8.1

- Press the Windows key
- Select **Programs and Features**
- Select **Turn Windows features on or off**

Windows 10

- All Apps view
- Select **Windows system**
- Select **Control Panel**
- Select **Programs and Features**
- Select **Turn Windows features on or off**

	<p>Select .NET Framework 3.5 (includes .NET 2.0 and 3.0) check box</p> <p>Click OK</p>
	<p>Click Download files from Windows Update</p>
	
	<p>Click Close</p>

2.2.2.2. Acrobat Reader

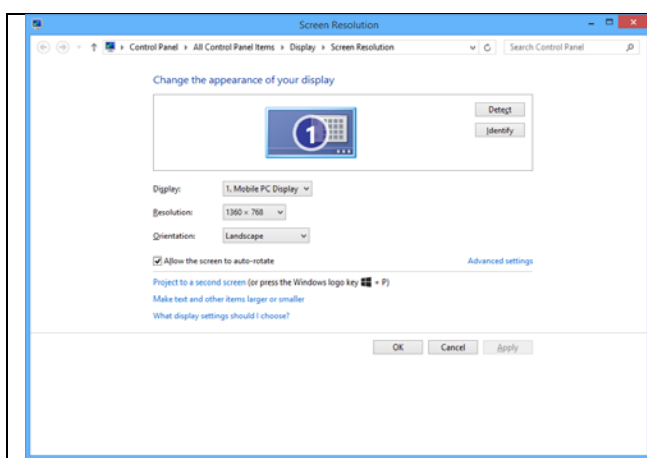
If Adobe Acrobat Reader is not installed on the computer, install Adobe Acrobat reader from <https://get.adobe.com/uk/reader/>

2.2.3. Configuration

2.2.3.1. Windows 8.1

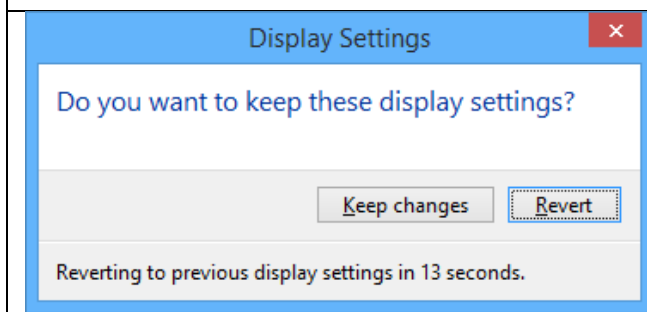
Display Settings

Right click on the desktop and select **Screen resolution**



In Resolution select one of these Resolutions

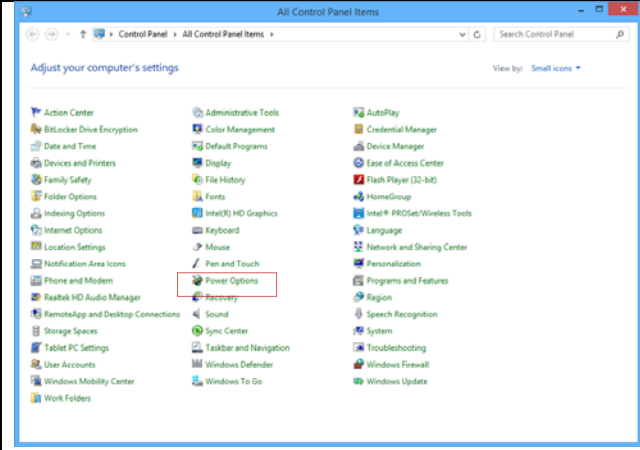
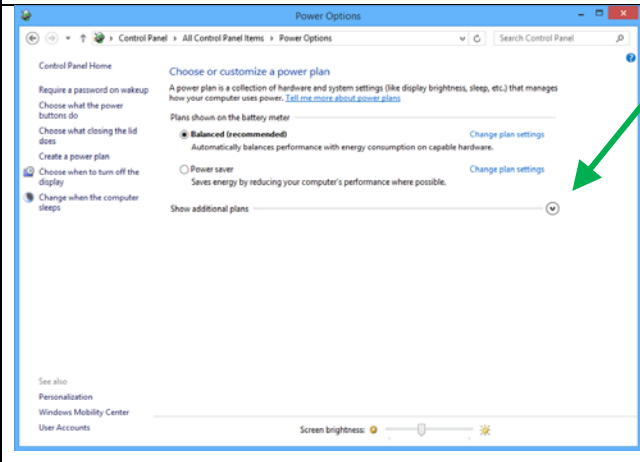
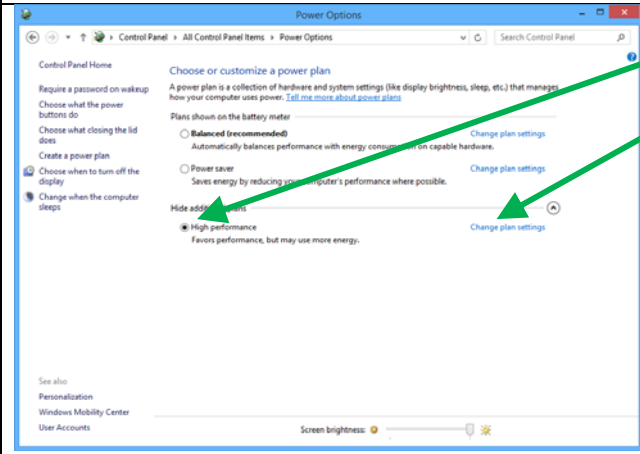
- 1368 * 768
- 1680 * 1050
- 1920 * 1080 (Recommended)

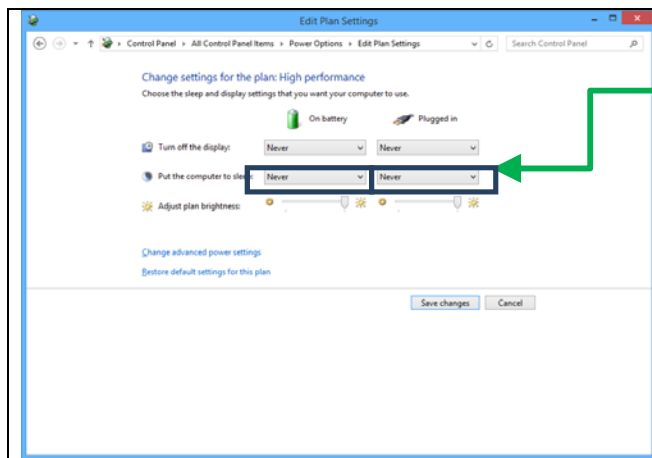


Click **Keep changes**

Power Options

From the **Control panel** apply the following configuration to the computer

	<p>Select Power Options</p>
	<p>If the High performance option is not visible click on Show additional plans</p>
	<p>Select high performance</p> <p>Click on Change plan settings</p>



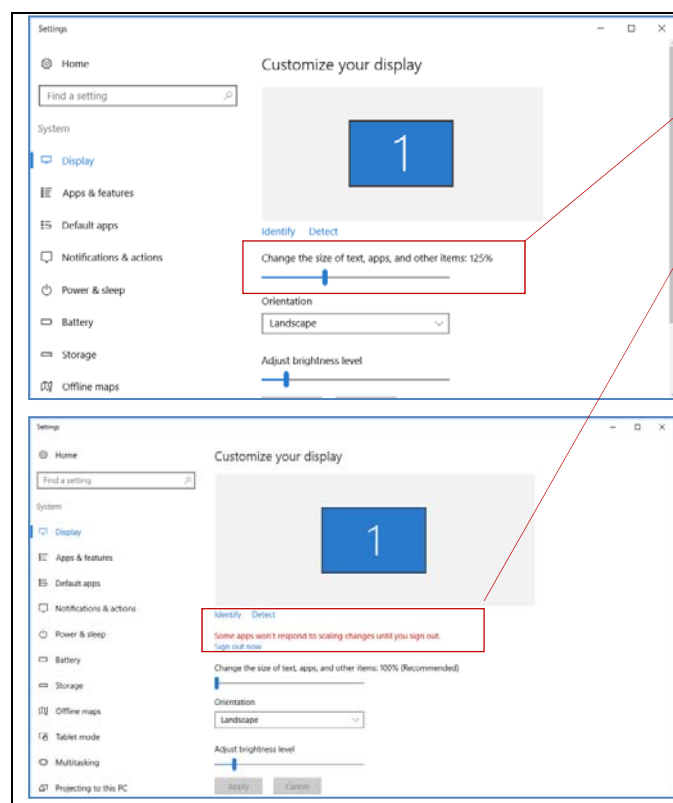
In put the computer to sleep select option **Never** for **On Battery** and **Plugged in**

Click **Save Changes**

2.2.3.2. Windows 10

Display Settings

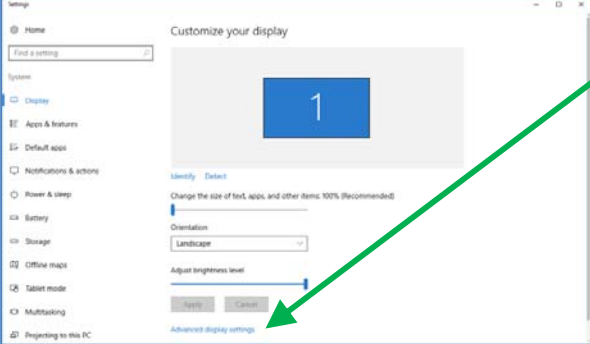
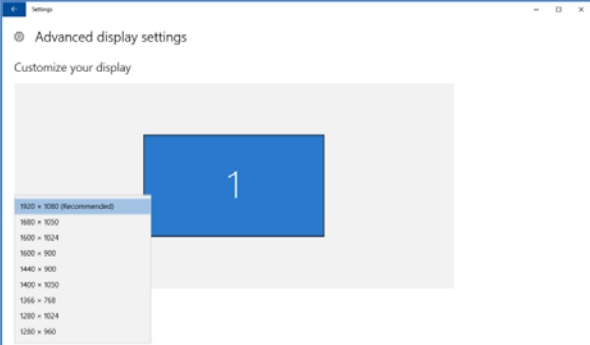
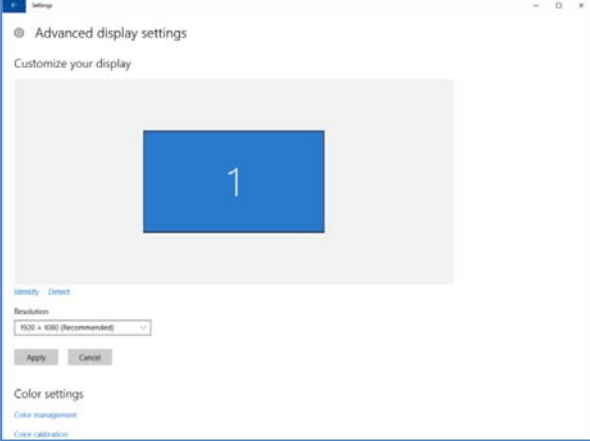
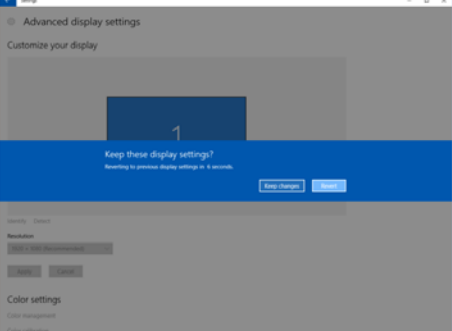
Right click on the desktop and select **Display Sttings**

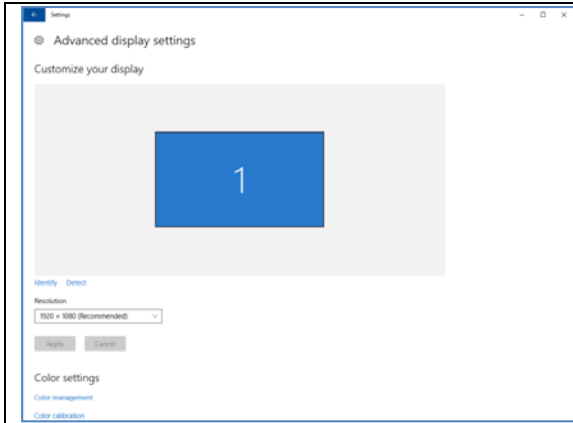


In change the size of text, apps and other items, if the cursor is not on 100% move the cursor to 100%

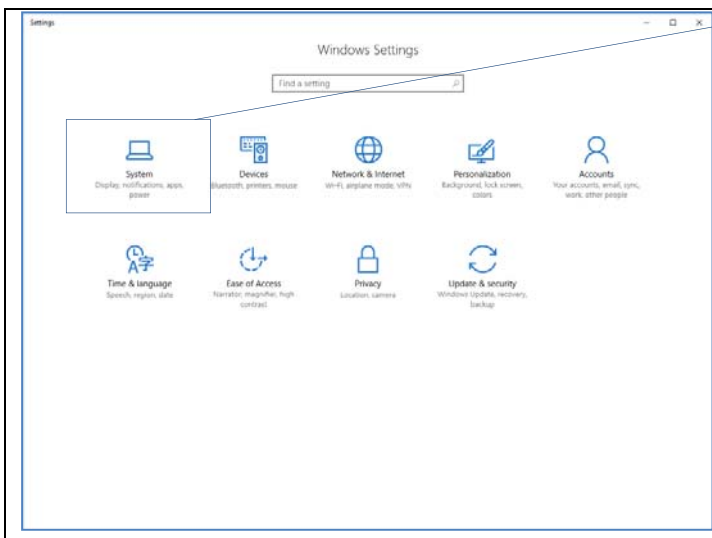
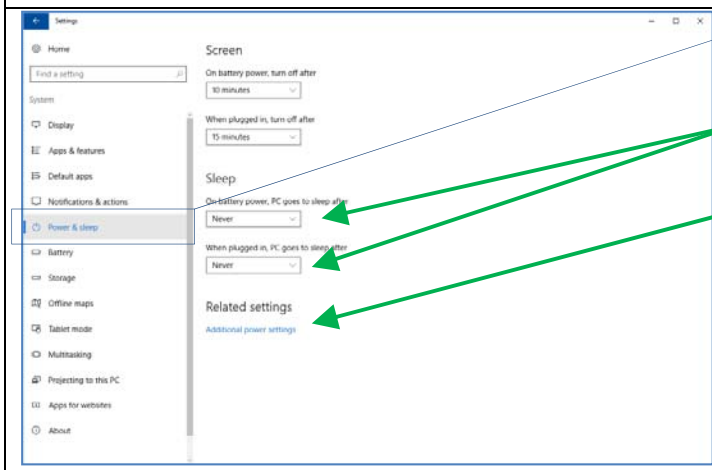
Click **Sign out now**

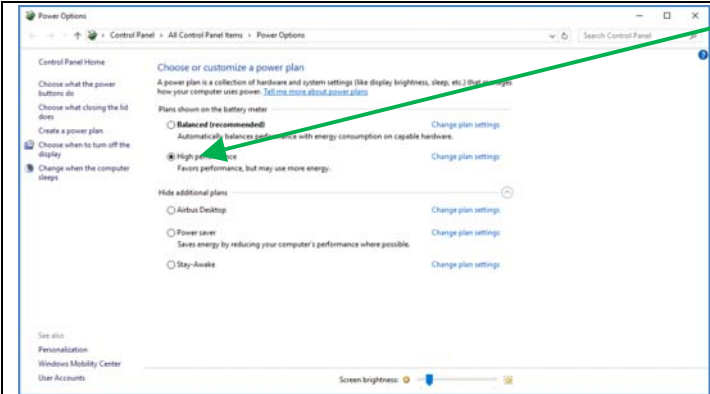
The computer restarts

	<p>Click on Advanced display settings</p>
	<p>In Resolution select one of these Resolutions</p> <ul style="list-style-type: none"> • 1368 * 768 • 1680 * 1050 • 1920 * 1080 (Recommended)
	<p>Click Apply</p>
	<p>Click Keep Changes</p>

	<p>Close the displays Settings windows</p>
---	--

Power Options

	<p>From the general menu select the Settings view</p> <p>Select System</p>
	<p>Select Power & sleep</p> <p>Set Sleep options to Never</p> <p>Click Additional power settings</p>




Select **High performance**

Close the windows


2.3. Installation

2.3.1. Uninstall previous version of the ACE Suite A350



To avoid problems of compatibility you must first uninstall any previous version of the A350 ACE Suite present on the computer. See paragraph 4.

2.3.2. ACE Suite installation



To perform the installation, the user must have the administrator rights on the computer.

For Trainee : Insert the DVD-ROM

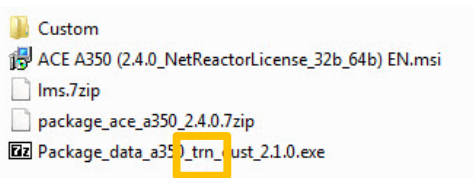
“ACE Suite A350 v2.4 - data 2.1 – Trainee – (NetReactor secured)”

For Instructors : Insert the DVD-ROM

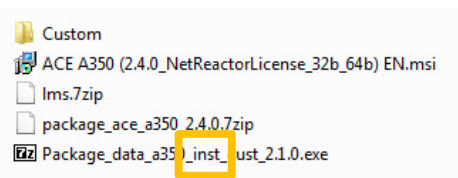
“ACE Suite A350 v2.4 - data 2.1 – Instructor – (NetReactor secured)”

The **ACE Suite** installation folder contains the following:

Trainee

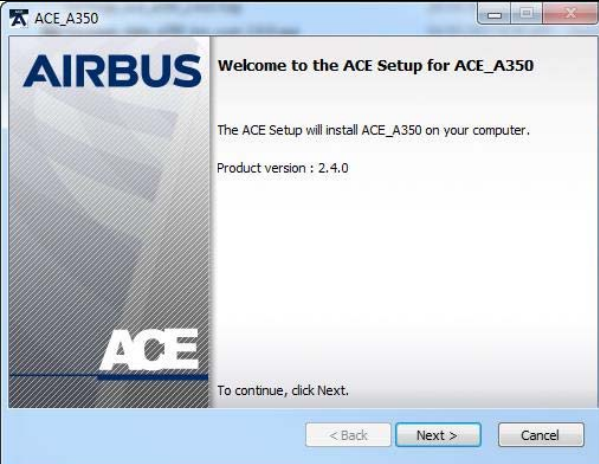
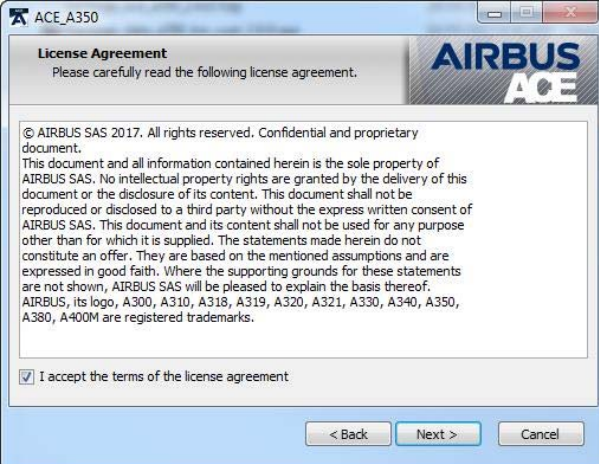
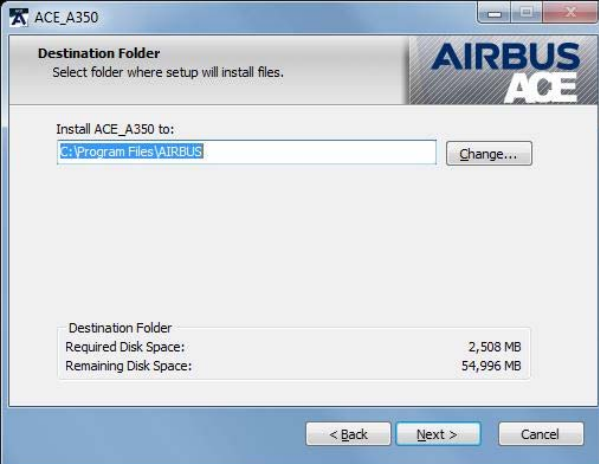



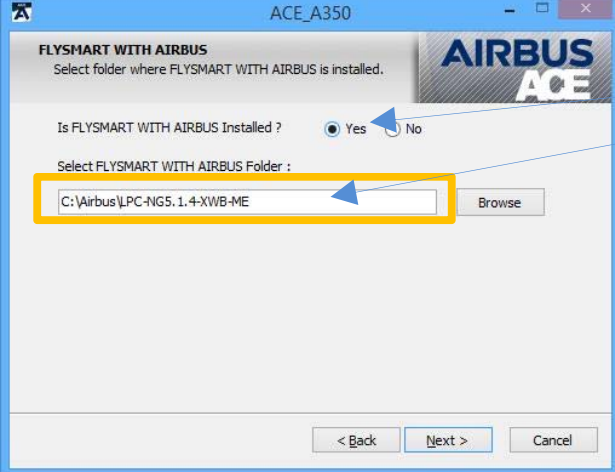
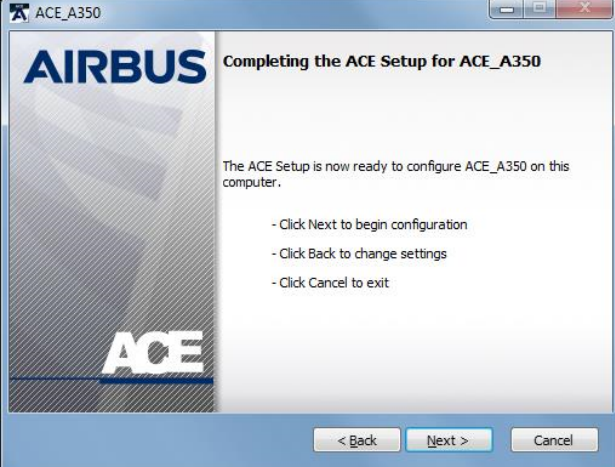
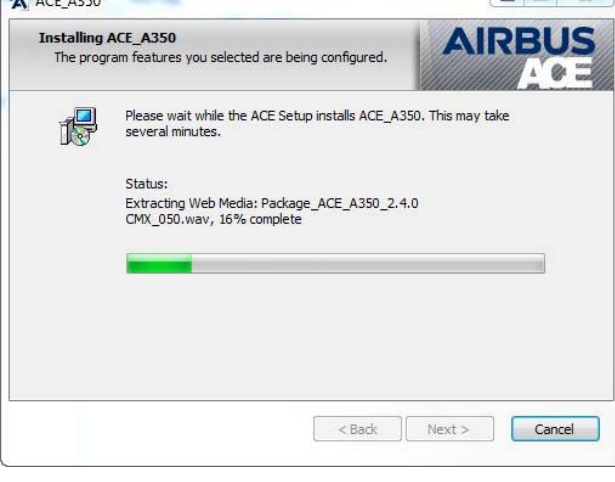
Instructor

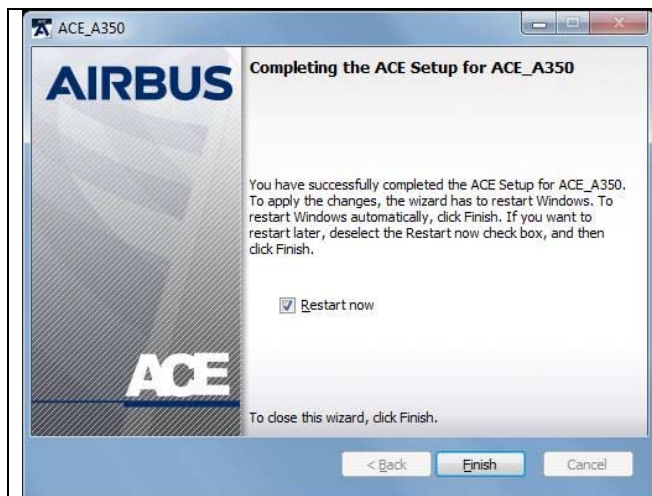


Run **x:\ACE_Suite\ACE A350 (2.4.0_NetReactorLicense_32b_64b) EN.msi**

Remark: If a User Account Control message is displayed click on **Yes**

	<p>Click Next</p>
	<p>Read and accept the license agreement to proceed to the installation</p> <p>Click Next</p>
	<div data-bbox="863 1317 938 1451">  </div> <div data-bbox="948 1317 1332 1451"> <p>It is strongly recommended to install the software in the proposed folder.</p> </div> <p>Click Next</p>

	<p>If the Airbus LPC NG (ELB) is installed:</p> <ul style="list-style-type: none"> • Select Yes • Check for the main folder location with the Browse button, in Metric Version <p>Note: LPC NG installation process is not part of this document.</p> <p>Click Next</p>
	<p>Click Next</p>
	<p>Wait for the end of the installation</p>




Click **Finish** and restart the computer

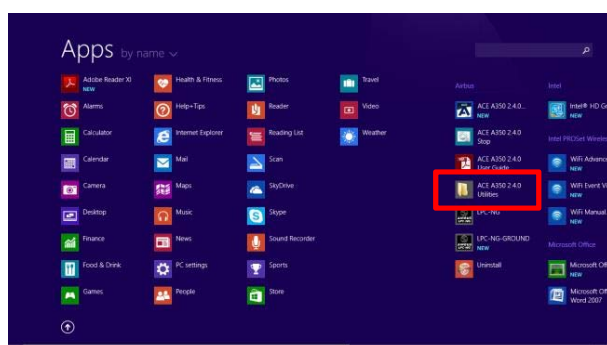
2.3.3. License

Prior running the ACE Suite you must first register the product.


Launch **ACE A350 2.4.0 Utilities**

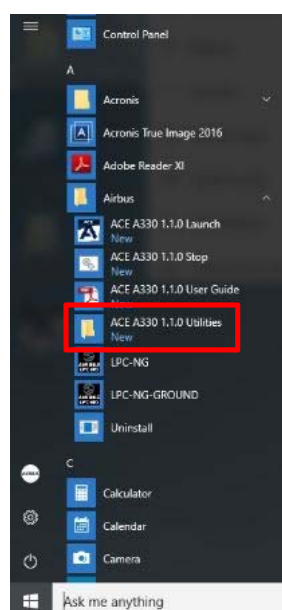
Windows 8.1

Click on the Windows key 
Select Apps view
Select **ACE A350 2.4.0 Utilities**



Windows 10

Click on the Windows key 
Select **All apps** view
Expand Airbus options
Select **ACE A350 2.4.0 Utilities**

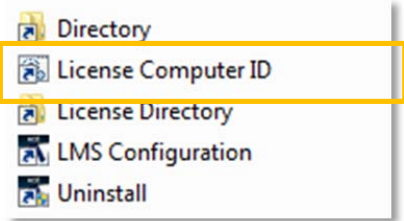
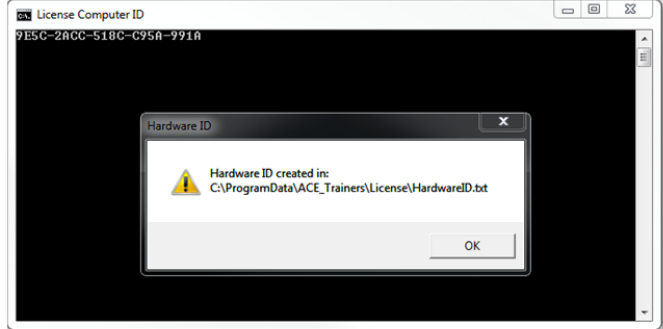
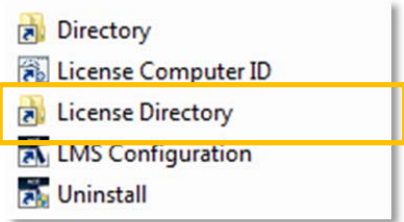
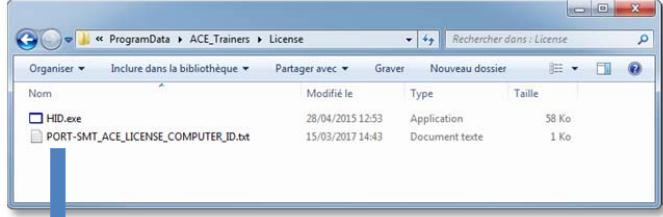


Remark: The ACE Utilities folder with Windows Explorer is
C:\Program files\AIRBUS\ACE_ A350_2.4.0\Utilities


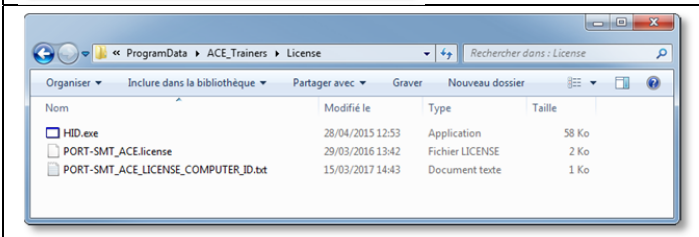


You may already have a valid license file coming from a previous installation. In this case go directly to paragraph 2.3.2.2 to copy the license file to its location.

2.3.3.1. Generate the Hardware ID File

	Launch License Compute ID Tool
	Click OK
	Open License Directory in the Windows Explorer
	This shortcut accesses directly to the ACE License Directory (%ProgramData%\ACE_Trainers\License)
<p>Send the file 'Computer Name'_ACE_LICENSE_COMPUTER_ID.txt (txt file) To support.training-means@airbus.com who will return a license file.</p>	

2.3.3.2. Install the License file

	<p>Open License Directory in the Windows programs menu</p>
	<p>Copy the license file in the folder License Directory</p>

■ The installation is completed

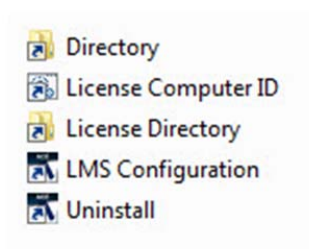
3. TEST PLAN

3.1. Technical Checks

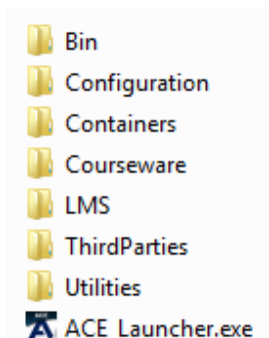
3.1.1. Use of Utilities



In the **ACE A350 1.x.x Utilities** folder, the following features are provided:



- **Directory:** to display the ACE Trainer main folder in a Windows explorer



- **License Computer ID** to generate ACE Trainer identifying
- **License Directory** to put the ACE Trainer License file
- **LMS Configuration** to run the ACE Tool
- **Uninstall** to uninstall the ACE Trainer application

3.2. Functional Checks

3.2.1. Start the ACE Suite

- Via the shortcut on the Windows desktop

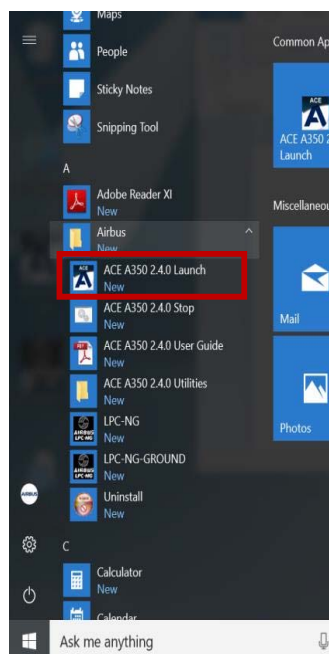
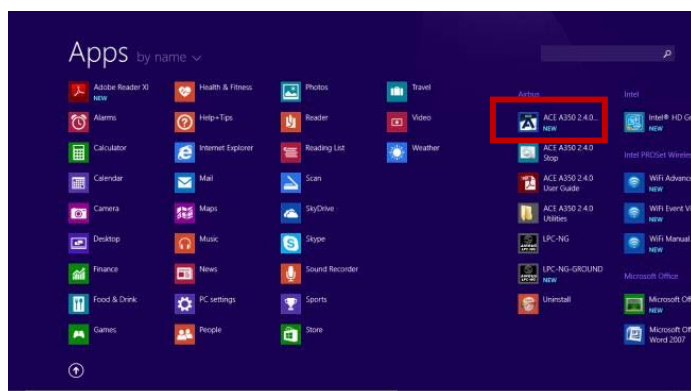


- Via the Graphic User Interface



Application view in Windows 8.1

Programs menu in Windows 10



By launching the program

C:\Program Files\AIRBUS\ACE_A350_2.4.0\ACE_Launcher.exe

The following sequences occurs

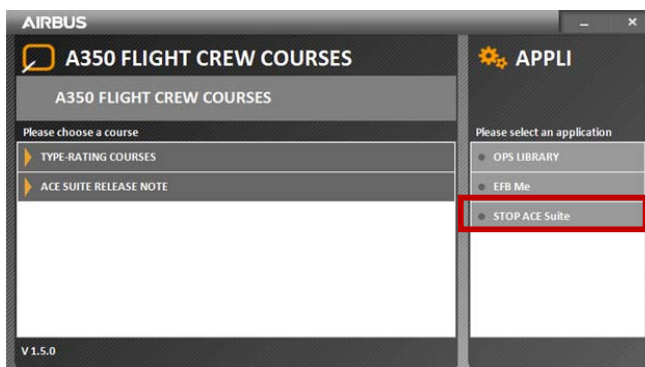


3.2.2. Stop the ACE Trainer

- From the Graphic User Interface



- From the application panel

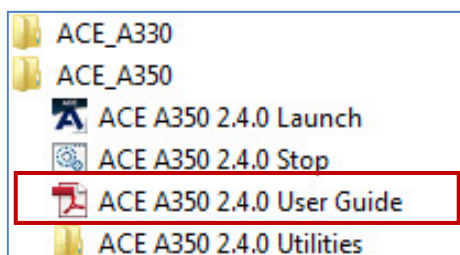


- From the batch file **c:\Program Files\AIRBUS\ACE_A350_2.4.0\Configuration\StopACE.bat**

3.2.3. ACE User Guide on line



Please, refer to the document **ACE A350 1.x.x User Guide** for the use of the product



4. UNINSTALLATION

4.1. Backup your license file

If you uninstall ACE version 1.5.6, your license file can be reused for this new version of the ACE Suite while the expiration date is not reached.

In this case during the registration process, you do not need to generate and Hardware ID file but just copy the license file in the corresponding folder (refer to paragraph 2.3.3.2)

4.1.1. ACE version 1.5.6:

Copy the file:

c:\Airbus\ACE_A350_1.5.6\bin\release\Operantis.PTT.Manager\license\xxx.license
In a location different than **c:\Airbus\ACE_A350_1.5.6**

4.1.2. ACE version 2.x.x:

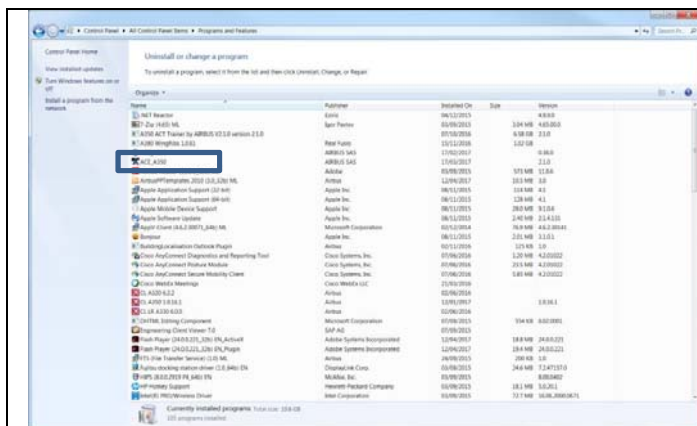
Copy the file: **%programdata%\ACE_Trainers\license\xxx.license**
In a location different than: **%programdata%\ACE_Trainers**

4.2. Uninstall procedure

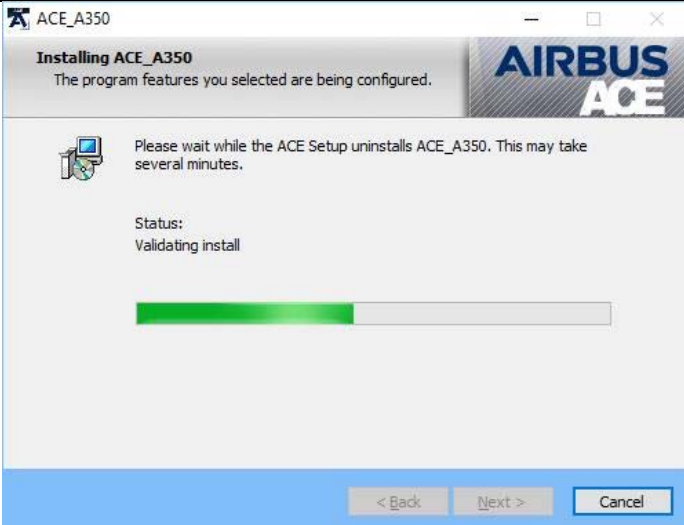
1. Clean your configuration by deleting all your local LMS accounts as explained in Paragraph 5.1

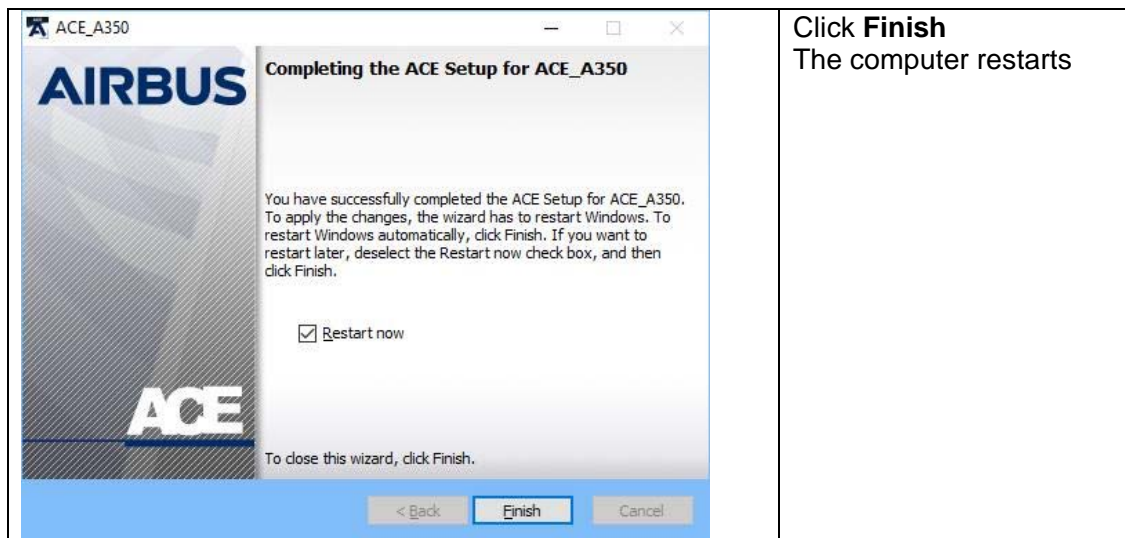
2. Uninstall the software

From the Windows **Control Panel -> Programs and Features**



Select
ACE_A350
Select **Uninstall**

	Click Next
	Click Next
	



4.3. Cleaning Operations

1. Remove the Installation folders

ACE version 1.5.6:

From **C:\AIRBUS** delete the folders **ACE_A350_1.5.6** and **DATA_xx_2016_05_04_xx_SCORM**

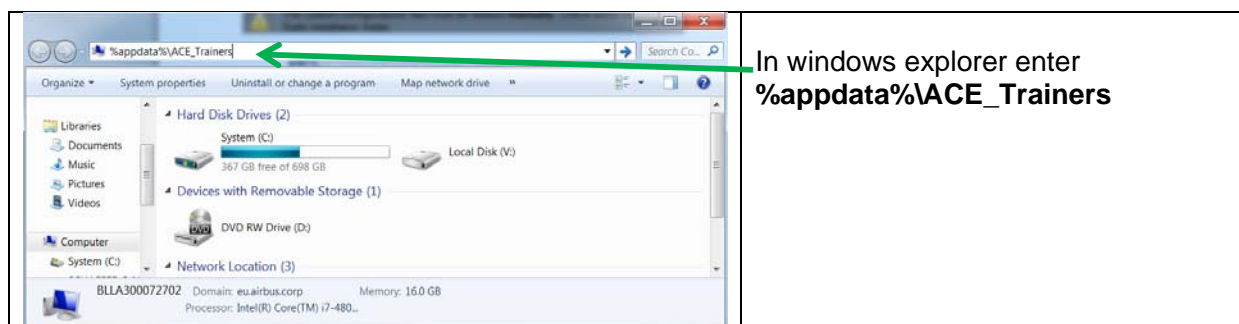
ACE version 2.x.x:

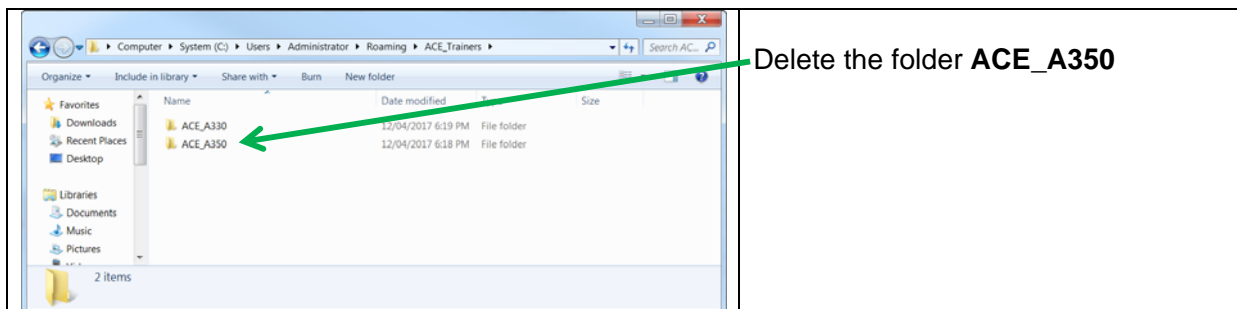
From **C:\Program Files\AIRBUS** delete the folder **ACE_A350_2.x.x**

2. Delete the folder **%appdata%\ACE_Trainers\ACE_A350**

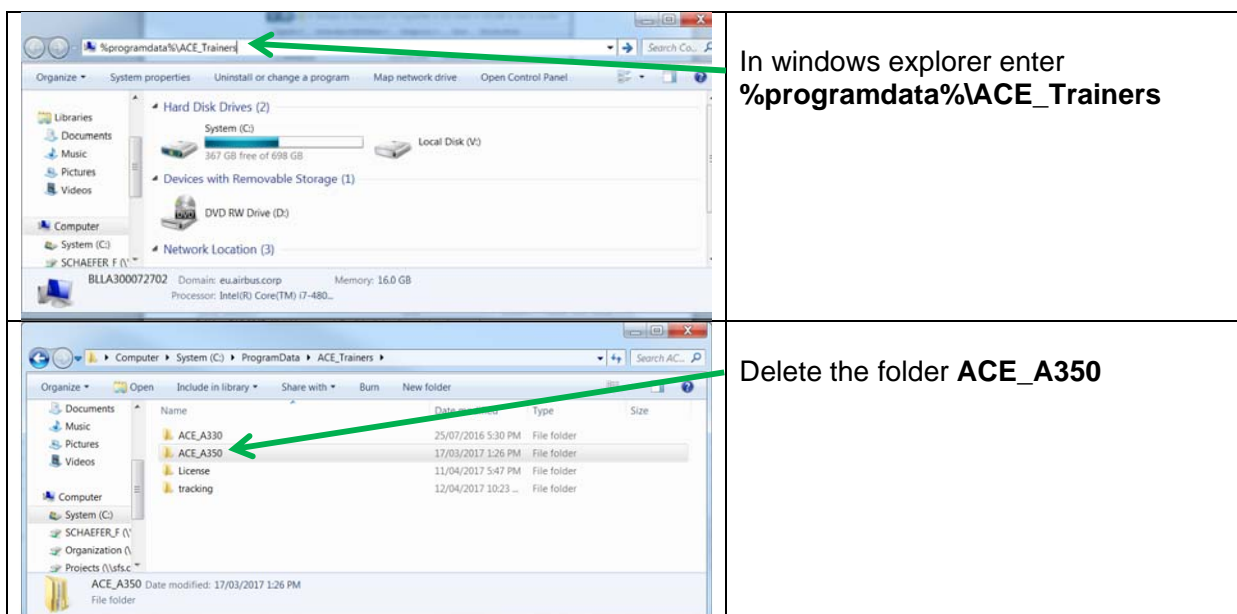
Do it for each "user":

%appdata% → **c:\user\user_name\AppData\Roaming\ACE_Trainers\ACE_A350**





3. Delete the folder %programdata%\ACE_Trainers\ACE_A350



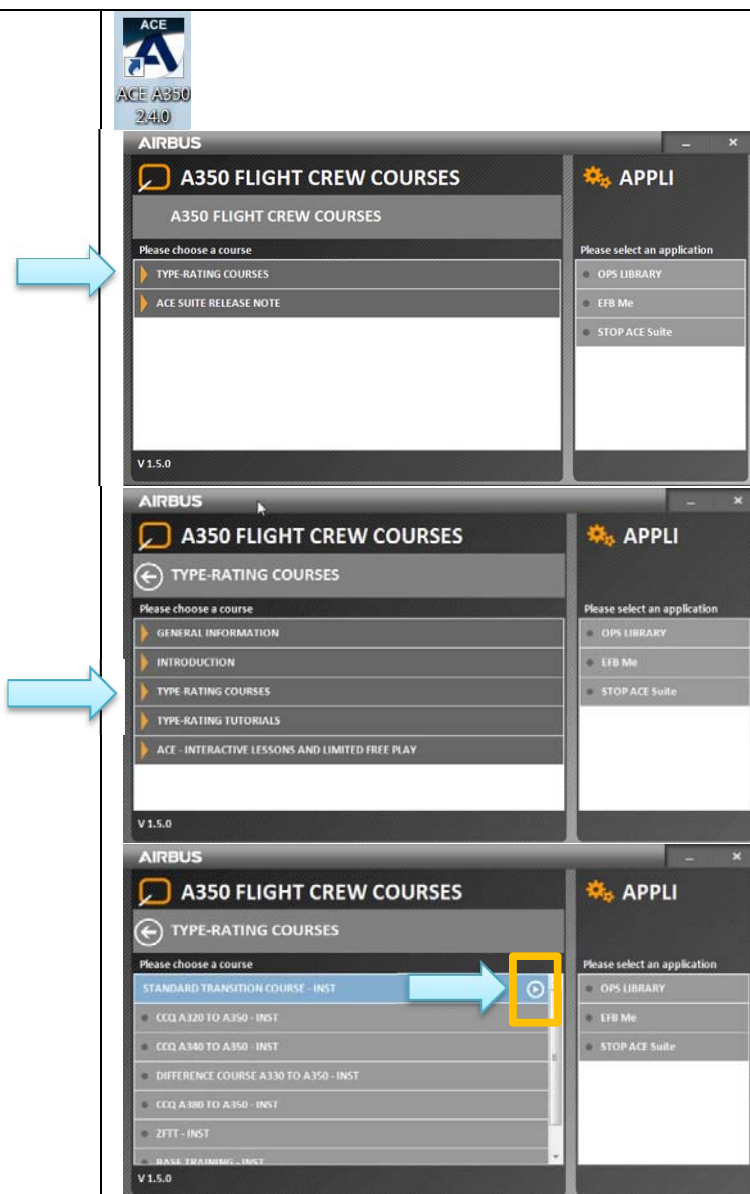
5. CLEAN- REINITIALIZE CONFIGURATION

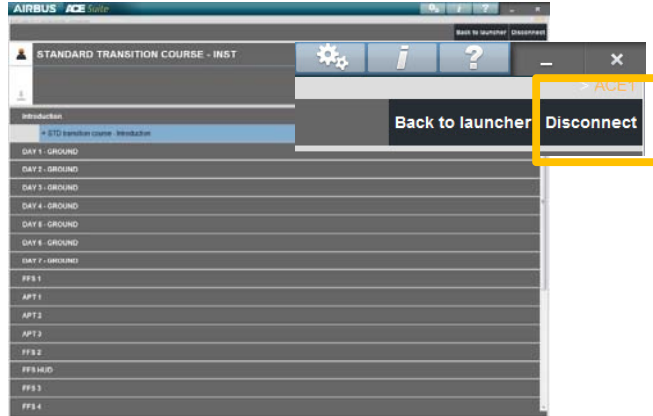

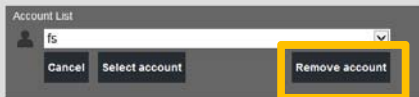
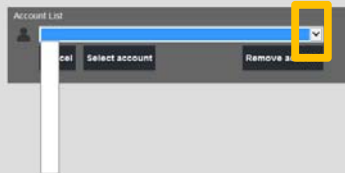
In case of masterisation of the computer for duplication, the following cleaning operations must be systematically performed before mastering.

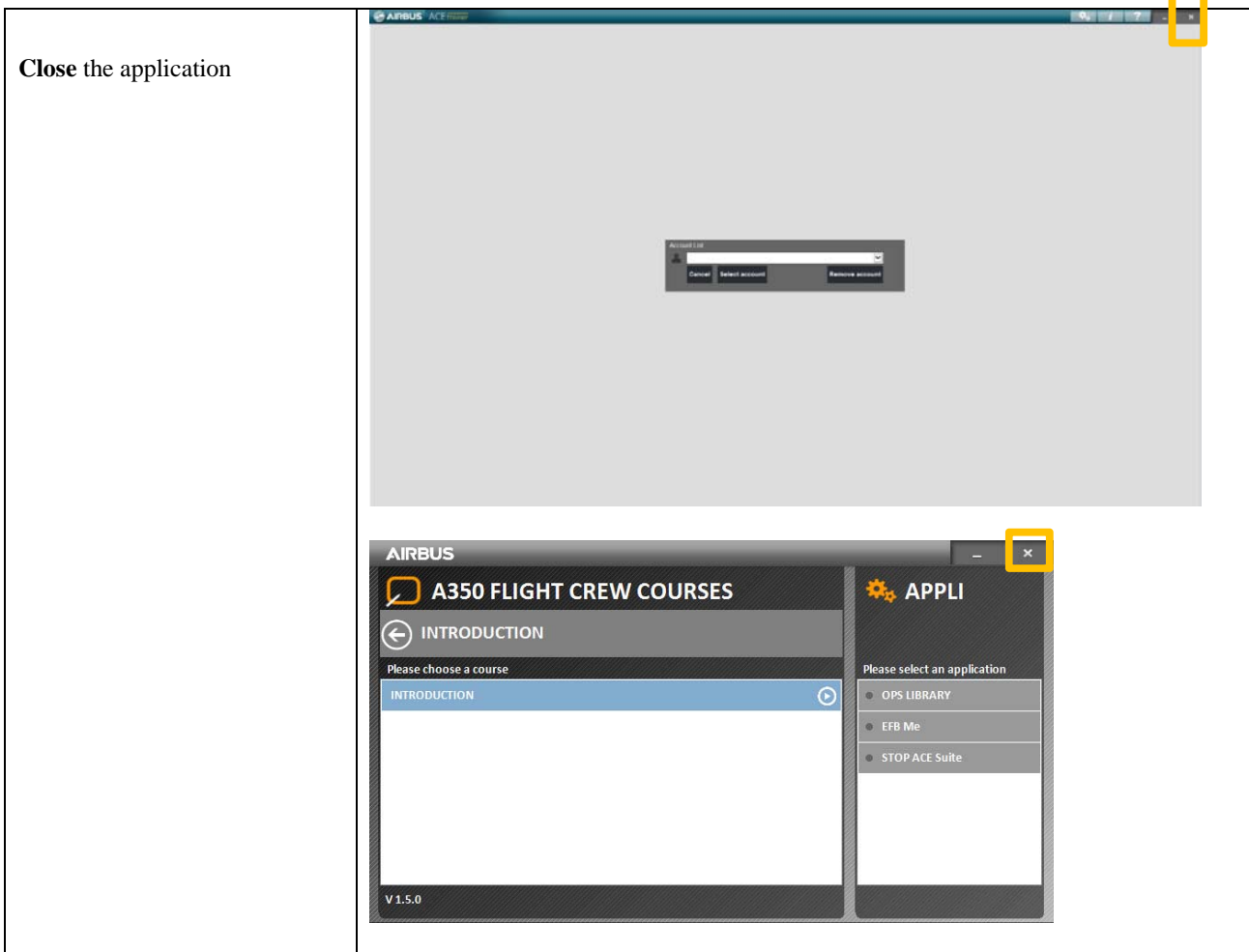
- 1) Delete your local LMS account
- 2) Remove ACE_TrainerTemporary Files
- 3) Remove OP_TrainersTemporary Files

5.1. Delete your local LMS account

Launch a course



Disconnect from the LMS	
select Account	
Remove account	
Check the account list is empty , remove remaining accounts if needed	



5.2. Remove ACE_Trainer Temporary Files

- For each Window's user account used to run the ACE Suite delete the Folder **ACE_A350**
In `%appdata%\ACE_Trainers`
- In `%programdata%\ACE_Trainers\ A350\2.4.0\tracking` delete all **.xml** files
(Insure you keep the file **tracking.xml**)
- In `%programdata%\ACE_Trainers` delete **all .log** and **.lgb** files

5.3. Remove OP_Trainers Temporary Files

- In `%programdata%\OP_Trainers` delete all files