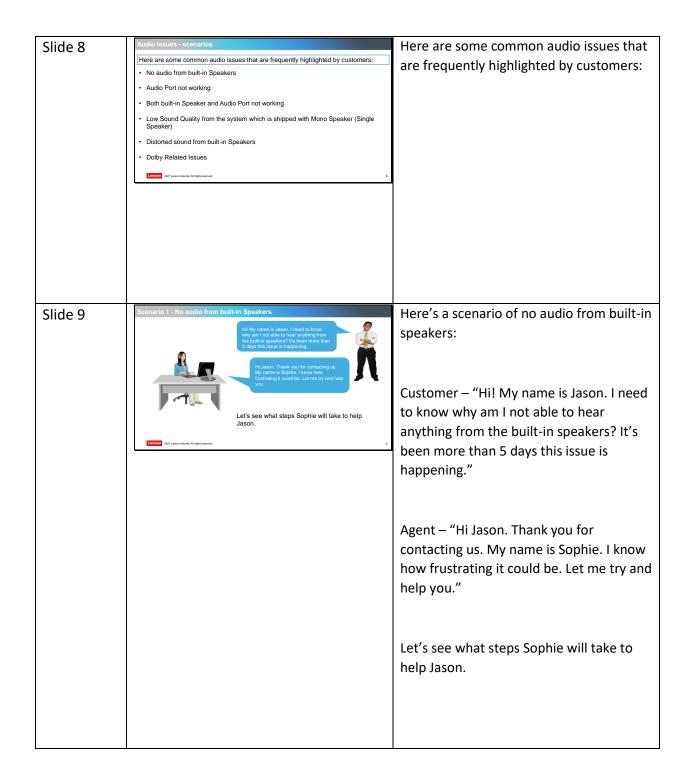
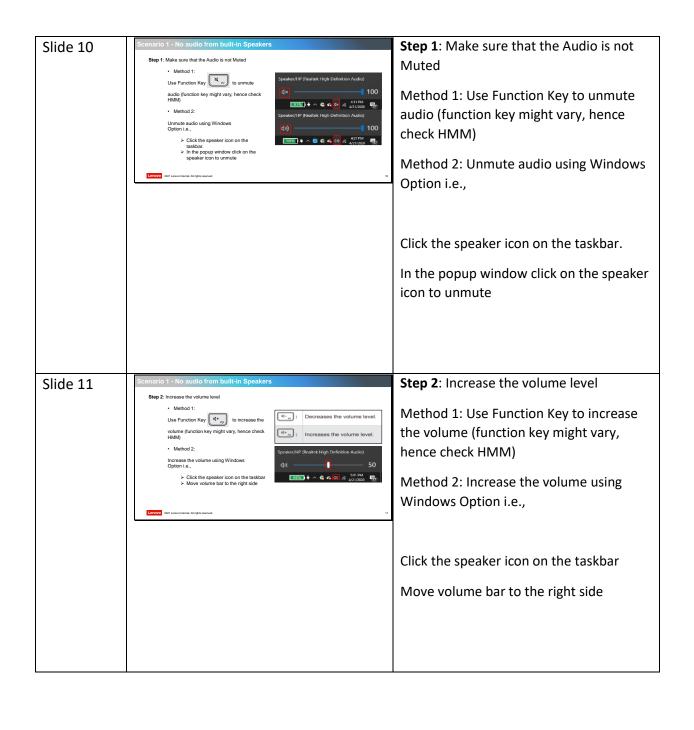
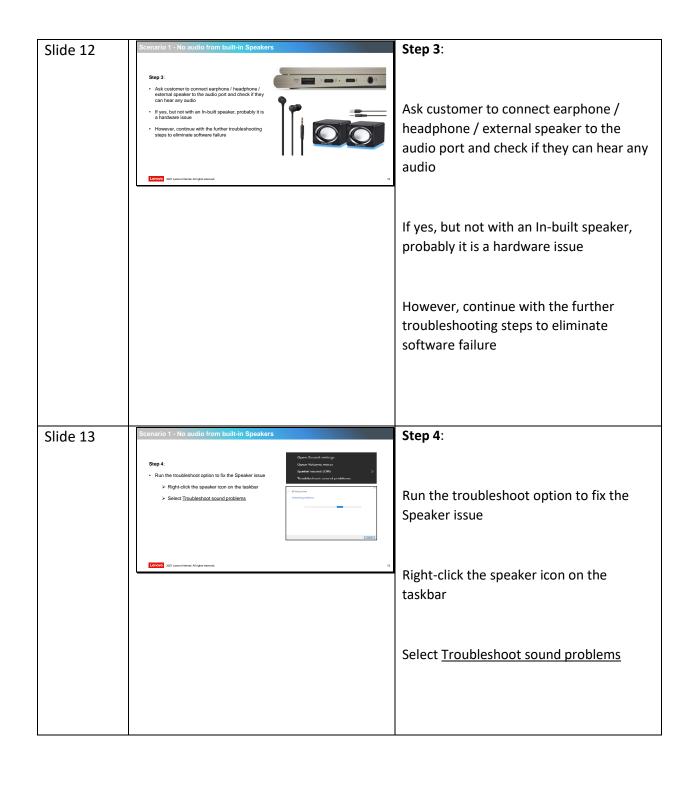


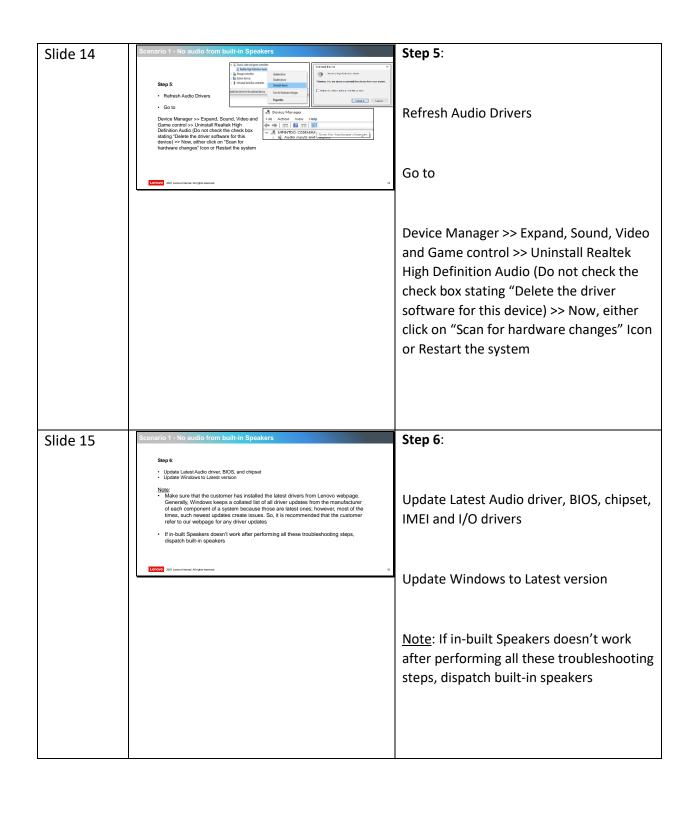
Slide 3 Well, your role is simple: Well, your role is simple: III, your role is simple: Understand the issue and gauge if that can be solved over the call or chat If it can't be, then check if it is under warranty and tell them where it can be either repaired or replaced Understand the issue and gauge if that can be solved over the call or chat • If they need to spend money for repair, clearly convey the reason for it What if the customer don't want to pay for the repair: Tell them the company's warranty policy If they still insists, consult your TL/ mentor If it can't be, then check if it is under warranty and tell them where it can be either repaired or replaced If they need to spend money for repair, clearly convey the reason for it What if the customer don't want to pay for the repair: Tell them the company's warranty policy If they still insist, consult your TL / mentor How this topic is relevant to you? Well, if Slide 4 you can help resolve the issue, you'll have these benefits: If you can help resolve the issue, you'll have these benefits: Good KPI Good CSAT Good KPI Become an example in front of your colleagues Good customer satisfaction ratings Become an example in front of your colleagues

| Slide 5 | Basic steps to be followed Probe, understand, perform primary checklist | |
|---------|---|--|
| Slide 6 | The primary checklist involves: - Asking them about the device on which the issue had occurred - Asking them whether the issue is with the speakers or headset - Asking them if they're using audio jack - Asking them if they're connected external HDMI device | The primary checklist involves: Asking them about the device on which the issue had occurred Asking them whether the issue is with the speakers or headset Asking them if they're using audio jack Asking them if they've connected external HDMI device |
| Slide 7 | Scenarios of audio issues Types and definitions | |









Slide 16 Here's a scenario of audio port not working. Customer – "Hi! My name is Leticia. I'm facing an issue with the audio port. Let's see what steps John will take to help Whenever I connect my headphone, I can't hear anything." Agent - "Hi Leticia. Thank you for contacting us. My name is John. I know how frustrating it could be. Let me try and help you." Let's see what steps John will take to help Leticia. Slide 17 Step 1: Tell the customer to try use a different earphone / headphone Tell the customer to try use a different earphone / headphone If they don't have a spare earphone / headphone, ask them to test the same earphone / headphone by connecting it to the different system or smartphone If this doesn't solve the issue, look at the next steps

Slide 18 Here are the following steps; 2. Check with customer if there is any loose connection or damage on the Audio port Check with customer if there is any loose 3. Ask customer to share the snapshots of Audio port for validation 4. Ask customer whether the Built-in Speaker are working or not connection or damage on the Audio port If the earphone / headphone aren't the issue and built-in speaker are working fine, probably it can be a hardware issue. However, continue with the further troubleshooting steps to eliminate software failure 6. Run the troubleshoot option to fix the speaker issue 8. Update Latest Audio driver, BIOS, chipset, IMEI and I/O drivers Ask customer to share the snapshots of Audio port for validation Ask customer whether the Built-in Speaker are working or not If the earphone / Headphone aren't the issue and Built-in speaker are working fine, probably it can be a hardware issue. However, continue with the further troubleshooting steps to eliminate software failure Run the troubleshoot option to fix the Speaker issue **Refresh Audio Drivers** Update Latest Audio driver, BIOS, chipset, IMEI and I/O drivers **Update Windows to Latest version Note:** If in-built Speakers doesn't work after performing all these troubleshooting steps, dispatch part accordingly

Slide 19 Here's another scenario where the complaint is that the built-in speaker is not working. Agent – "I hope the issue is resolved. Is Of course, John will have to verify the serial number and other details first, but let's see what he'll do in this case: there anything else I can help you with?" Customer – "John, I've another issue with my daughter's laptop. Both the audio port and the in-built speaker are not working. Can you help?" Of course, John will have to verify the serial number and other details first, but let's see what he'll do in this case: If customer reports Both built in Speaker Slide 20 and Audio port not working, perform all the troubleshooting steps mentioned If customer reports both built in Speaker and Audio port not working, perfeat lithe troubleshooting steps mentioned before, and in case issue doesn't resolve, follow the below resolution: before, and in case issue doesn't resolve, 1. Perform System Reset (Preloaded system) or OSRI (DOS system) follow the below resolution: 2. Dispatch Motherboard Perform System Reset (Preloaded system) or OSRI (DOS system) Dispatch Motherboard

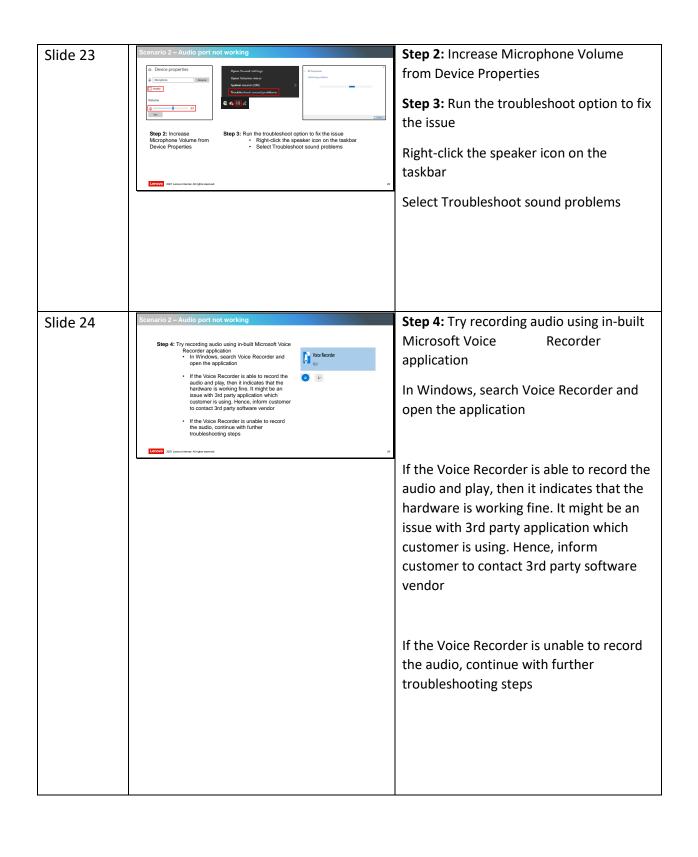
Slide 21 Here's another scenario where the complaint is that the built-in speaker is not working. Agent – "I hope the issue is resolved. Is Let's see what he'll do in this case: there anything else I can help you with?" Customer – "Well, my daughter is saying that the built-in microphone is also not working. She has Windows 10. Can you help?" Let's see what he'll do in this case: Slide 22 **Step 1:** Make sure that the microphone is not disabled Step 1: Make sure that the microphone is not disabled • Method 1: Use Function Key X to enable microphone Method 1: Use Function Key to enable (function key might vary, hence check HMM) microphone (function key might vary, lethod 2: Enable Microphone Right-click the speaker icon on the taskbar. Select Open Sound settings. Select Device properties. Make sure Disable is not checked for the microphone hence check HMM) Note: If its Think system, make sure microphone is enabled in BIOS. Method 2: Enable Microphone Right-click the speaker icon on the taskbar. Select Open Sound settings. Select Device properties.

Make sure Disable is not checked for the

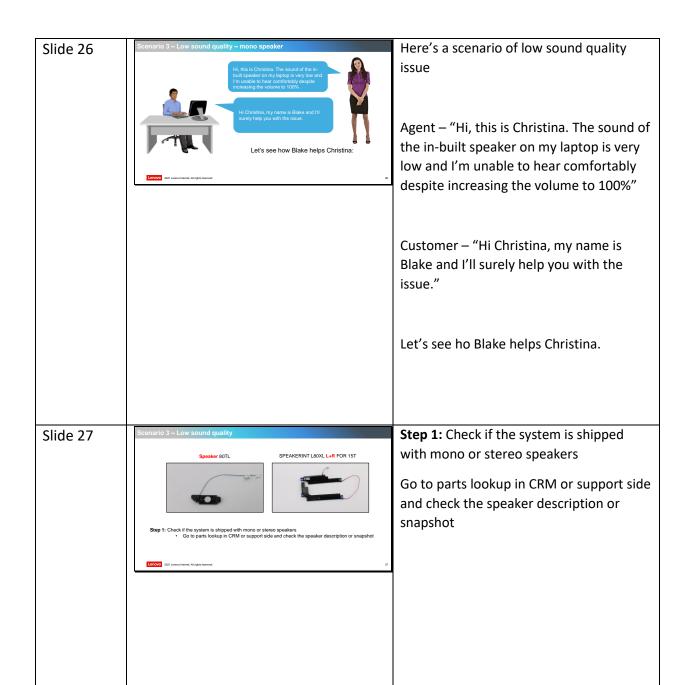
Note: If it is Think system, make sure

microphone is enabled in BIOS.

microphone



Slide 25 Step 5: Try recording audio using Step 5: Try recording audio using earphone / headphone microphone If audio is getting recorded with an external devices like earphone/headphone but not with an in-built microphone, probably it can be a hardware issue. However, continue with the further troubleshooting steps to eliminate software failure earphone / headphone microphone If audio is getting recorded with an Step 6: Refresh audio drivers external devices like Step 8: Update Windows to latest version earphone/headphone but not with an Inbuilt microphone, probably it can be a If in-built microphone doesn't work after performing all these troubleshooting steps, dispatch part accordingly A very important step whenever a <u>BIOS has been updated</u>, it is mandatory to reset its settings to <u>default</u> hardware issue. However, continue with the further troubleshooting steps to eliminate software failure Step 6: Refresh audio drivers Step 7: Update latest Audio driver, BIOS, chipset, IMEI and I/O drivers Step 8: Update Windows to latest version Note: If in-built microphone doesn't work after performing all these troubleshooting steps, dispatch part accordingly.



Slide 28 **Step 2:** If the system has been shipped with mono speaker, then you need to inform the customer: Systems with mono speaker gives less audio output compared to stereo speaker Systems with mono speaker gives less audio output compared to stereo speaker When we play audio file with audio level above 50% - 60%, then sound quality decreases and they can hear abnormal / distorted sound Inform customer that the system is working as per design and hence part replacement is not recommended **Step 3:** If the system has been shipped Slide 29 with stereo speaker, then you need to inform the customer that the product Step 3: If the system has been shipped with stereo speaker, then you need to inform the customer that the product needs to be sent to the service center for repair. needs to be sent to the service center for repair. **Note:** Only if the driver has been checked to be updated and still the issue persists.

Slide 30



Here's a scenario where the customer has another issue.

Agent – "I hope I could solve your issue. Is there anything else I can help you with?"

Customer – "Well, there's another issue. I observe that the sound from the built-in speakers is distorted. I'm not sure if that's a hardware issue. Can you help?"

Let's see how Blake helps Christina.

Slide 31

Here are the steps to be followed when distorted sound issue is reported:

Check if the system is shipped with Mono or Stereo speaker:

If system is shipped with Mono Speaker educate customer accordingly

If it's shipped with Stereo speaker continue with the further troubleshooting

Ask the customer

Which media player they use to play any video/MP4

Confirm the percent of volume level

If VLC media player is used with volume level >100%, it may have damaged the speakers. Consult L1.5 for further assistance

If VLC or any other media player is used with volume level <100%, continue with further troubleshooting

Check whether the Audio port is working fine

If the Audio port is working fine and the issue is only with Built-in speaker, probably it can be a Speaker issue

However, continue with the further troubleshooting steps to eliminate software failure

Slide 32



Here's another scenario related Dolby sound issue.

Customer – "Hi, my name is Kim. I bought a system and the speakers that supports Dolby sound effect, but I don't get the effect anytime. What's wrong with the setting?"

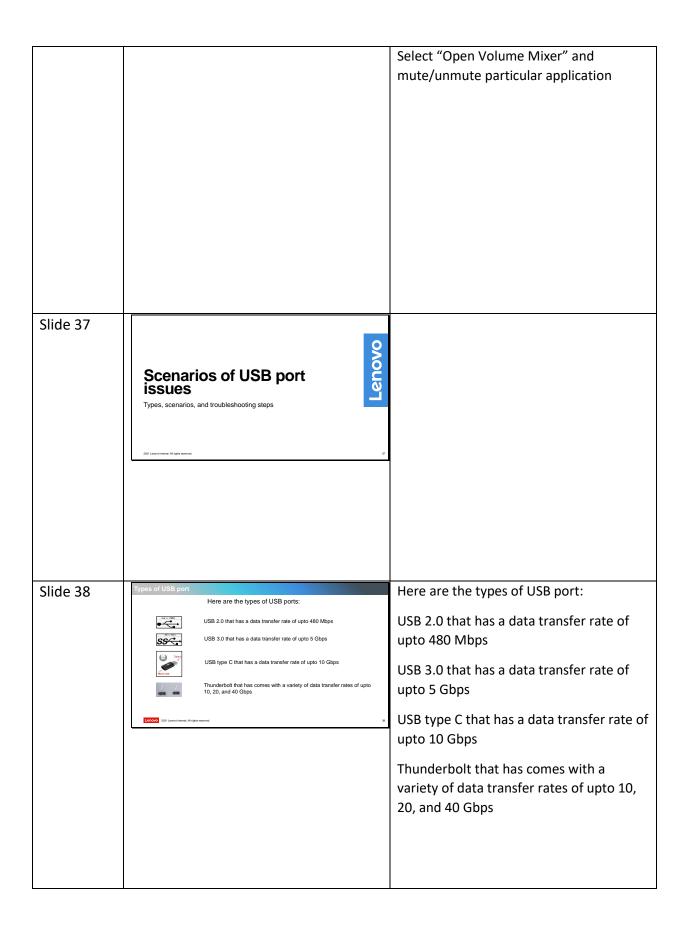
Agent – "Hey Kim, my name is Elisa. I can understand how you'd feel not able to listen to Dolby sound effect. Let me try and help you."

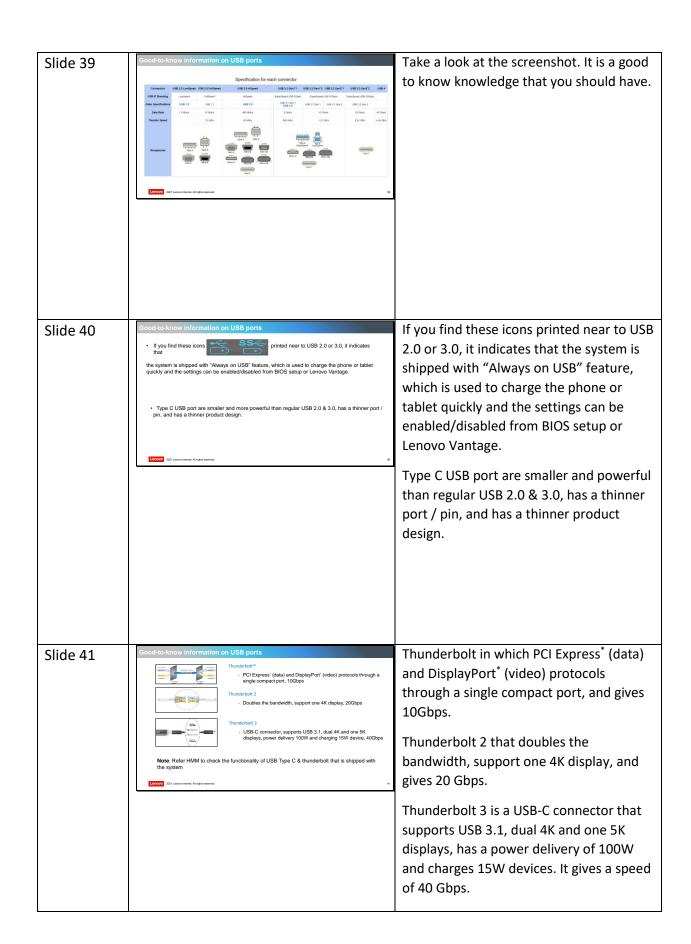
Let's see how Elisa helps Kim.

Slide 33 Verify if the customer is using Windows 10. If yes, then inform the following: Verify if the customer is using Windows 10. If yes, then inform the following: Dolby Digital Plus In Windows 10, search for "Dolby" to open the Dolby Digital Plus software Click the interface of Dolby Digital Plus to enable or disable Dolby, or In Windows 10, search for "Dolby" to Configure the settings for Movie/Music/Game/Voice to get a better audio open the Dolby Digital Plus software Click the interface of Dolby Digital Plus to enable or disable Dolby, or Configure the settings for Movie/Music/Game/Voice to get a better audio and media experience Slide 34 If the Dolby Audio driver cannot start after upgrading to Windows10 and an Dolby Audio driver cannot start after upgrading to dows10 and an error is displayed, then suggest the following error is displayed, then suggest the following steps: a) Device Manager >> Expand, Sound, Video and Game control >> Uninstall Realtek High Definition Audio >> check the check box stating 'Delete the driver software for this device >> click Uninstall >> and restart the system Reinstall the audio drivers Device Manager >> Expand, Sound, Video and Game control >> Uninstall Realtek High Definition Audio >> check the check box stating "Delete the driver software for this device >> click Uninstall >> and restart the system Download and Install Latest Audio drivers from the support site and restart the

system

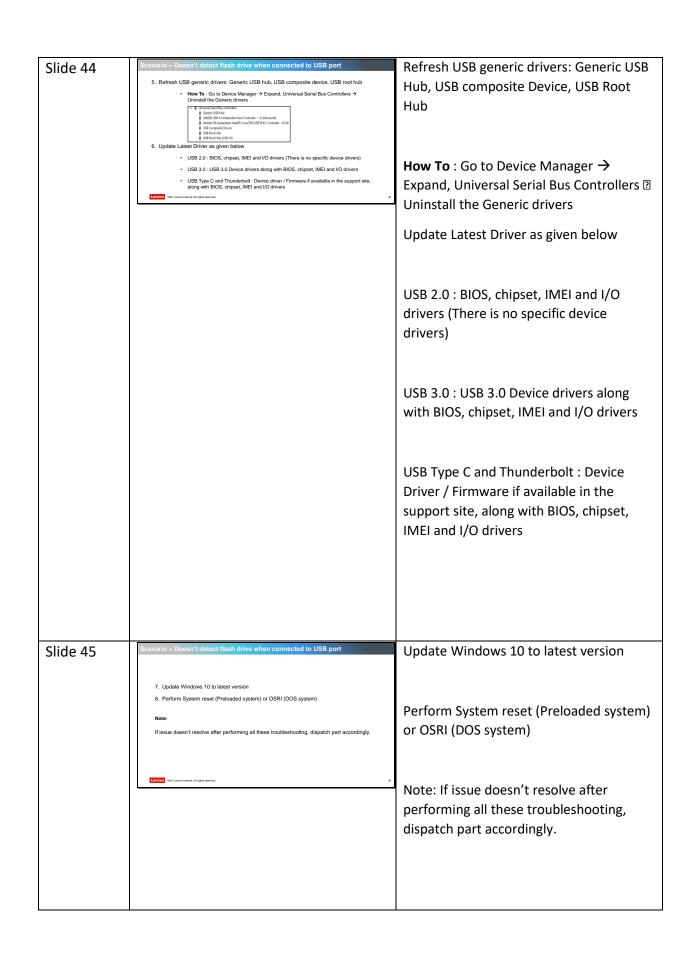
Slide 35 Once the drivers are reinstalled, ask them to go the path given below and install Dolby Home Theater software Path: c:\drivers\audio drivers\DS1 and install Dolby digital Plus HT If the Dolby Home Theater software is not shipped with in the Audio driver, ask them to try installing the Dolby application from Microsoft Store Note: Depending upon individual system configurations that can vary by model, the drivers may be stored on other drives such C, D, or E. Slide 36 You can provide these additional information to customers: * All Latest Ideapad and AIO system are shipped with Combo Audio jack port If the system has a Combo jack port, you You can mute / Unmute audio for a particular applic need to connect a Combo jack supported headphone or earphone * All Latest Ideapad and AIO system are shipped with Combo Audio jack port You can mute / Unmute audio for a particular application Right-click the "speaker icon" on the taskbar





Note: Refer HMM to check the functionality of USB Type C & thunderbolt that is shipped with the system. Slide 42 Here is a scenario in which the flash drive isn't getting detected. Here's what the customer has to say: "Hi, my name is Kim. Whenever I connect the pen drive to the laptop, it doesn't get detected. What's wrong with the laptop?" Let's see what Elisa needs to check and h Agent – "Hey Kim, my name is Elisa. I can understand how you'd feel not able to use the pen drive on your laptop. Let me try and help you." Let's see what Elisa needs to check and how can she help Kim.

Slide 43 Here are the steps that Elisa should Follow below troubleshooting steps: follow: 1. Check how many USB ports are shipped with the system and their location How To : Using technical guide or HMM (Hardware Maintenance Manual) 2. Ask customer which USB port is not working 3. Check if there is any damage on the USB ports Check how many USB ports are shipped Ask user to share the snapshots of USB port for validation 4. Try to use different good quality USB Flash Driver (pen-drive) with the system and their location If no spare USB Flash Drive → Test the same USB Flash Drive by connecting to the different USB ports or different system How To: Using Technical Guide or HMM (Hardware Maintenance Manual) Ask customer which USB port is not working Check if there is any damage on the USB ports Ask user to share the snapshots of USB port for validation Try to use different good quality USB Flash Driver (pen-drive) If no spare USB Flash Drive → Test the same USB Flash Drive by connecting to the different USB ports or different system



Slide 46 Here is a scenario in which the flash drive isn't getting detected. Here's what the customer has to say: "Hi, my name is Kim. Whenever I connect the pen drive to the laptop, it doesn't get detected. What's wrong with the laptop?" Let's see what Elisa needs to check and how can Agent – "Hey Kim, my name is Elisa. I can understand how you'd feel not able to use the pen drive on your laptop. Let me try and help you." Let's see what Elisa needs to check and how can she help Kim. Slide 47 Here are the steps that Elisa should Follow below troubleshooting steps: follow: Check whether he has been able to use the USB-C port properly before and how long he has been facing this issue Check whether any changes were made before this issue occurred Download and install BIOS, Docking station and Port replicator, and then restart the system 4. Set the BIOS settings to default by pressing F9 or FN + F9 followed by F10 or FN + F10 to save the changes & exit 5. If issue still persists, it could be a hardware issue and may need replacement or repair. Check how many USB ports are shipped with the system and their location How To: Using Technical Guide or HMM (Hardware Maintenance Manual) Ask customer which USB port is not working Check if there is any damage on the USB ports Ask user to share the snapshots of USB port for validation

| | | Try to use different good quality USB Flash Driver (pen-drive) If no spare USB Flash Drive → Test the same USB Flash Drive by connecting to the different USB ports or different system |
|----------|--|--|
| | | |
| Slide 48 | Now you'll be able to: Explain audio and USB issues Identify reasons that may have caused these issues Relate the importance of following the PD guide every time Provide step-by-step solutions to customers ASS Leaves haved. Afright submed. | |
| Slide 49 | thanks. | |