

2025 GSIS Stadium Test Outline

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Purpose

Please use this outline along with the accompanying survey to perform the GSIS Stadium tests/updates:

Stadium Test Checklist

Please fill out the following checklist form during or after you've completed your tests and updates:

<https://forms.gle/hv4pGLJXfjpQ5VAU6>

Items you may need to complete your test

- USB Stick, if your stadium network blocks downloads from public sites like Microsoft, Google.
- Mobile phone, to fill out the form above using your mobile device, while you perform your tests and updates. (optional)

Before Getting Started

- Ensure you are in the WhatsApp group for your team on your smart phone. If you have a new phone or new number, please inform us so we can add you to the group again.
- Alert gsistechsupport@nfl.com in advance of your testing date and time so that we are available to support you.

GSIS Laptops & Chromebooks

Windows 11

Note: We will be updating to and using Windows 11 this season.

Follow the steps below to update each laptop to Windows 11.

1. Log in as Club-Admin
2. If you receive a privacy screen, select the following:
 - a. Location: enable
 - b. Diagnostic Data: enable
 - c. Tailored Experiences: disable
 - d. Find my Device: disable
 - e. Inking and Typing: disable
 - f. Advertising ID: disable
3. Navigate to <https://www.microsoft.com/en-us/software-download/windows11>
4. Click on the Download Now button

Windows 11 Installation Assistant

This is the best option for installing Windows 11 on the device you're currently using. Click **Download Now** to get started.

Note: Windows 11 Installation Assistant doesn't run on Arm-based PCs; it only works for x64 processors.

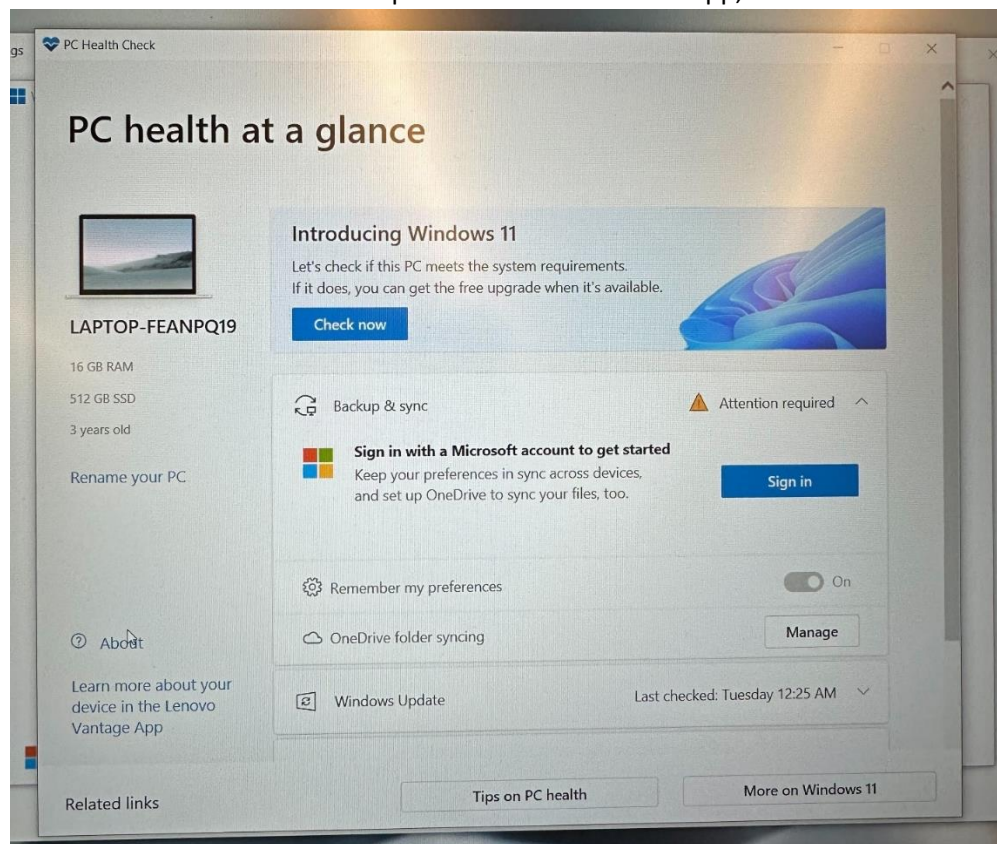
> Before you begin using Installation Assistant

Download Now



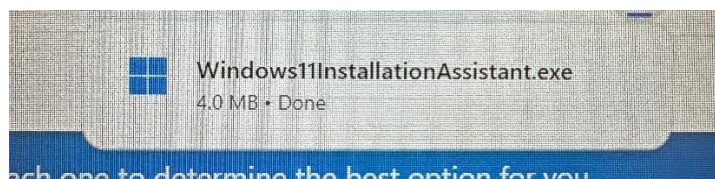
- a. **NOTE:** If your laptop is not currently compatible to download and install Windows 11, navigate to Windows Update in Settings and download/install any pending Windows 10 updates first. Once these updates are installed and the device has restarted, return to the Windows 11 download. The Windows 11 Install window may ask you to get the PC Health Check App before installing Windows 11 – this will be linked on that window.

Click the link to download and open the PC Health Check app, then select Check Now.



This will confirm that your laptop is ready to install Windows 11. Then, return to the Windows 11 install window, click Refresh, and continue with the following steps.

5. Run the downloaded EXE



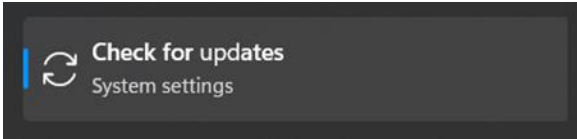
6. Click the "Update Now" button. It will ask if you want to allow the app to make changes to your device, and you can hit "Yes".
7. Wait for the download to complete:
8. The update should begin automatically
 - a. NOTE: It will move quickly to about 70% and then proceed at a slower pace. However, this laptop remains responsive even while updates are being applied. It should take about 20-25 minutes for the update to be applied. You will then be prompted to reboot the laptop. The reboot takes about 3-5 minutes while updates are being applied.

9. Log in as Club-Admin again and Windows will continue applying updates. This will take a minute or two.

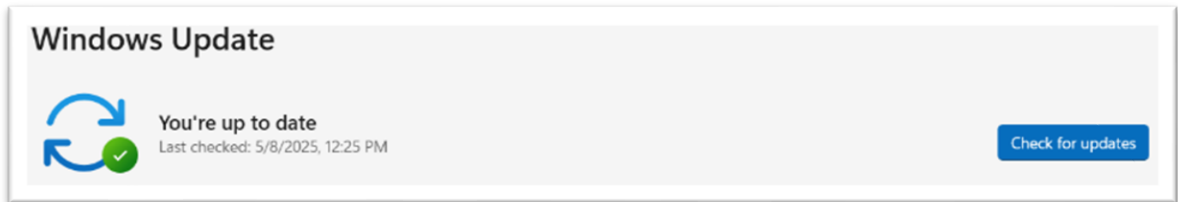
Further Windows 11 Updates

Follow the steps below to process any pending Windows updates after updating to Windows 11:

1. Click the Windows button and type “Check for Updates”



2. This should take you to the Windows Update page.
3. Process any pending updates. This may take a while since your laptops have not been online since January.
4. Once this is completed, your system should be up to date:



Optional Updates:

1. While still in the Windows Update settings page, click on “Advanced options”
2. Under “Additional options,” check the Optional updates for any available driver updates, and apply those as needed. You may need to restart for some of these to be applied.

Windows Update > Advanced options

A screenshot of the Windows Update 'Advanced options' settings page. It features four toggle switches, each with an icon and a description. The first toggle is 'Receive updates for other Microsoft products' (On), with a note that the setting is unavailable due to organization policy. The second is 'Get me up to date' (Off), also with a policy note. The third is 'Download updates over metered connections' (Off), with a note that data charges may apply. The fourth is 'Notify me when a restart is required to finish updating' (Off), with a note to show notification when a restart is required. Below these is an 'Additional options' section with a plus icon and 'Optional updates' (0 available), with a note that it includes feature, quality, and driver updates.

Chrome Browser Update

While the Chrome Browser should automatically update, we need to confirm that we are starting the season with the most recent version. In some cases, last season, we had issues because Chrome was not updated to the latest version. You may follow the following steps from:

<https://support.google.com/chrome/answer/95414?hl=en&co=GENIE.Platform%3DDesktop>

Get a Chrome update when available

Normally updates happen in the background when you close and reopen your computer's browser. But if you haven't closed your browser in a while, you might see a pending update:

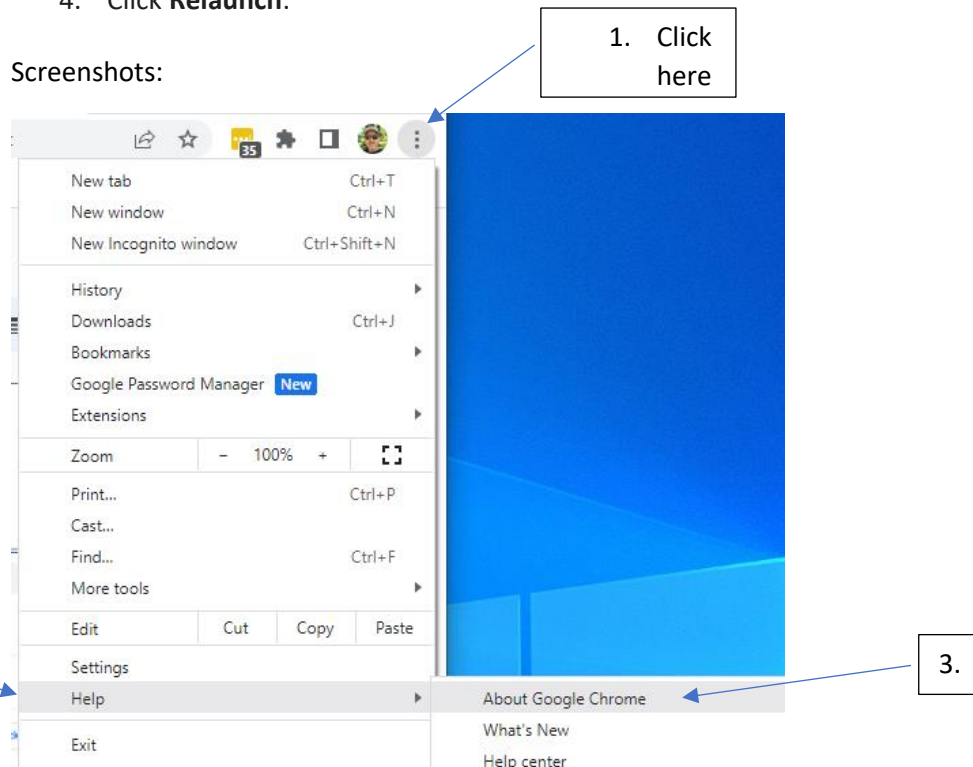
To update Google Chrome Browser

NOTE: Please ensure you navigate all the way to the About Google Chrome page to ensure your system is up to date.

On your computer, open the Chrome browser.

1. At the top right, click More ⋮ .
2. Click **Help** > **About Google Chrome**.
3. Click **Update Google Chrome**.
 - **Important:** If you can't find this button, you're on the latest version.
4. Click **Relaunch**.

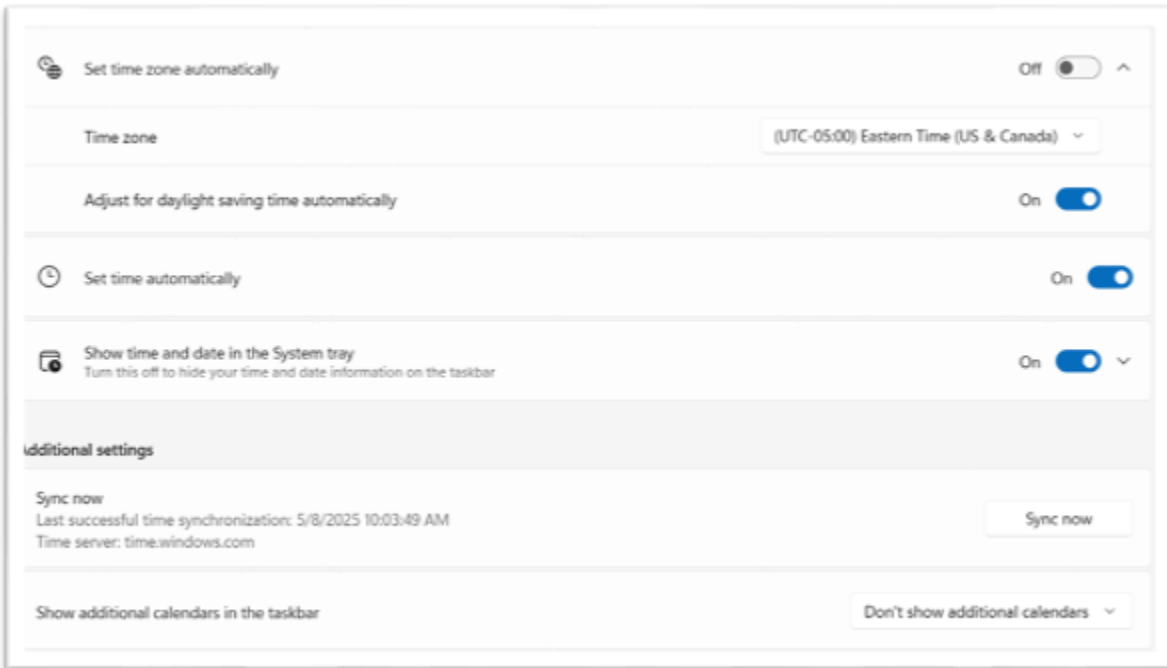
Screenshots:



Confirm Date & Time Settings

Click on the Windows key at the bottom left of the keyboard and type “date.” Select “Date & Time Settings” (or in the Settings app, navigate to “Time & language” > “Date & time”):

Your settings may look like the following



If the last successful time synchronization is not today’s date, click on the Sync Now button.

Change the Time zone drop-down to your time zone.

Check Active Hours

Just below the update status (shown above), click on “Advanced options” then “Active hours”:



Where it shows your current active hours, click on the down arrow and click where it says “Automatically.”

Change this to “Manually,” then change the End Time to 2:00 AM. Click on the check mark.

Active hours

Set active hours to let us know when you typically use this device. We won't automatically restart it during active hours, and we won't restart without checking if you're using it.

Start time

8	00	AM
---	----	----

End time (max 18 hours)

2	00	AM
---	----	----

Save

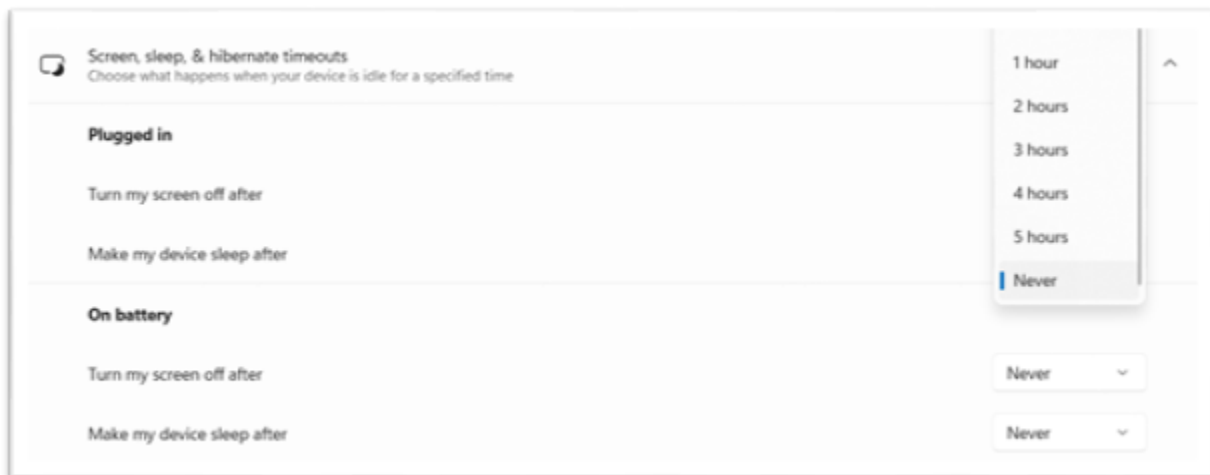
Cancel

Confirm your hours are 8:00 AM to 2:00 AM:

Confirm Power and Sleep Settings

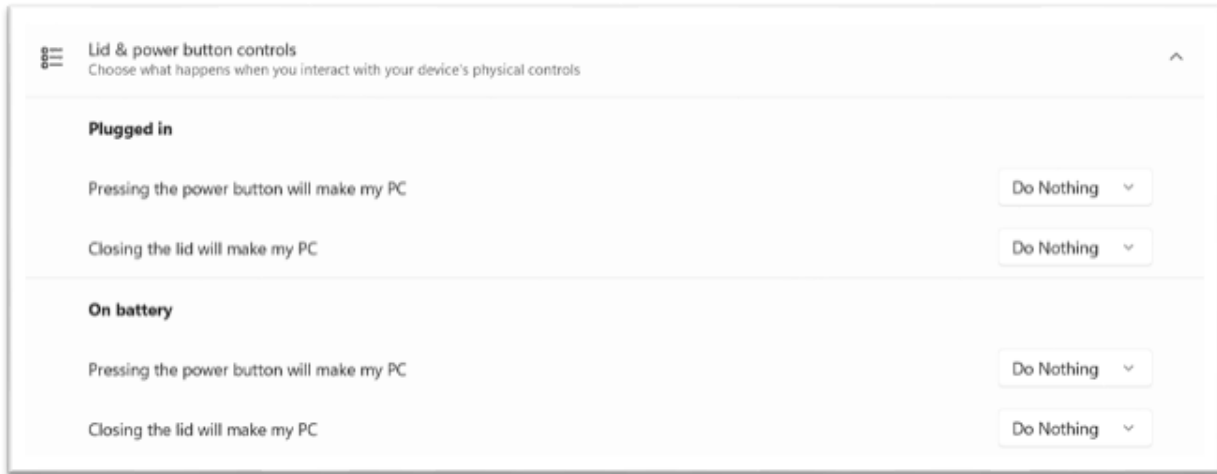
Click on the Windows key and type "sleep" and select "Power, sleep, and battery settings" (or in the Settings app, navigate to "System" > "Power & battery"):

Under Screen, sleep, & hibernate timeouts, change all power and sleep settings to Never:



Under Lid & power button controls:

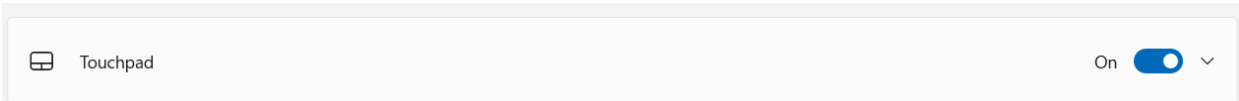
Change all Power and Lid settings to “Do Nothing”:



Check Touchpad and Taskbar Settings

If you're connecting a mouse to the laptop, then it is probably best to disable the touchpad, as it can cause the cursor to "jump" during entry.

Click on the Windows key on the bottom left of the keyboard and type "Touchpad". Click on "Touchpad Settings" (or in the Settings app, navigate to "Bluetooth & devices" > "Touchpad"):

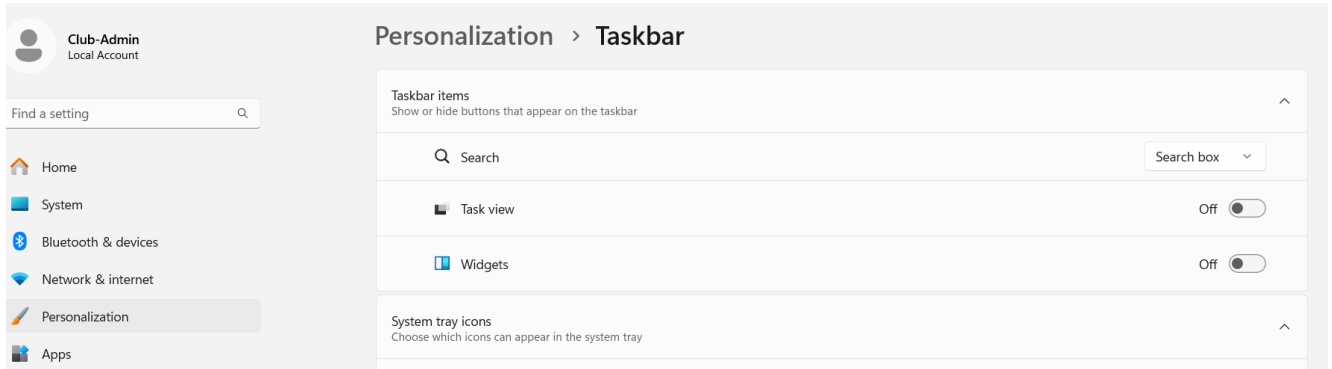


Open the dropdown and deselect the checkbox for "Leave touchpad on when a mouse is connected":



Click on the Windows key and type “taskbar” (or in the Settings app, navigate to “Personalization” > “Taskbar”).

Under “Taskbar items,” toggle Widgets to Off.



If your crew prefers for the task bar to be hidden, open the “Taskbar behaviors” dropdown and select the first check box.

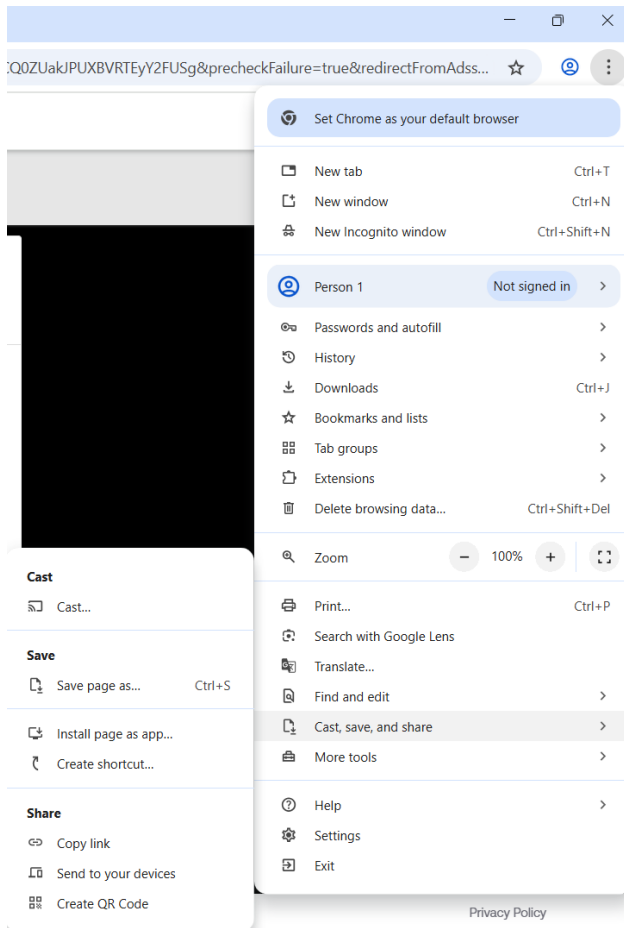


Confirm Chrome Desktop Shortcut for GSIS

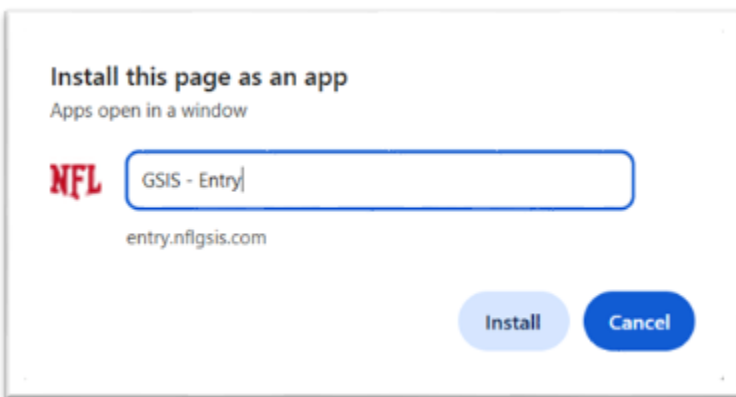
- Open Chrome
- Navigate to <https://entry.nflgsis.com> and log in
- Click the three vertical dots at the top right of Chrome:



- Select Cast, save, and share > Install page as app



Name the shortcut “GSIS – Entry”:



The following shortcut will be created on the User's desktop:

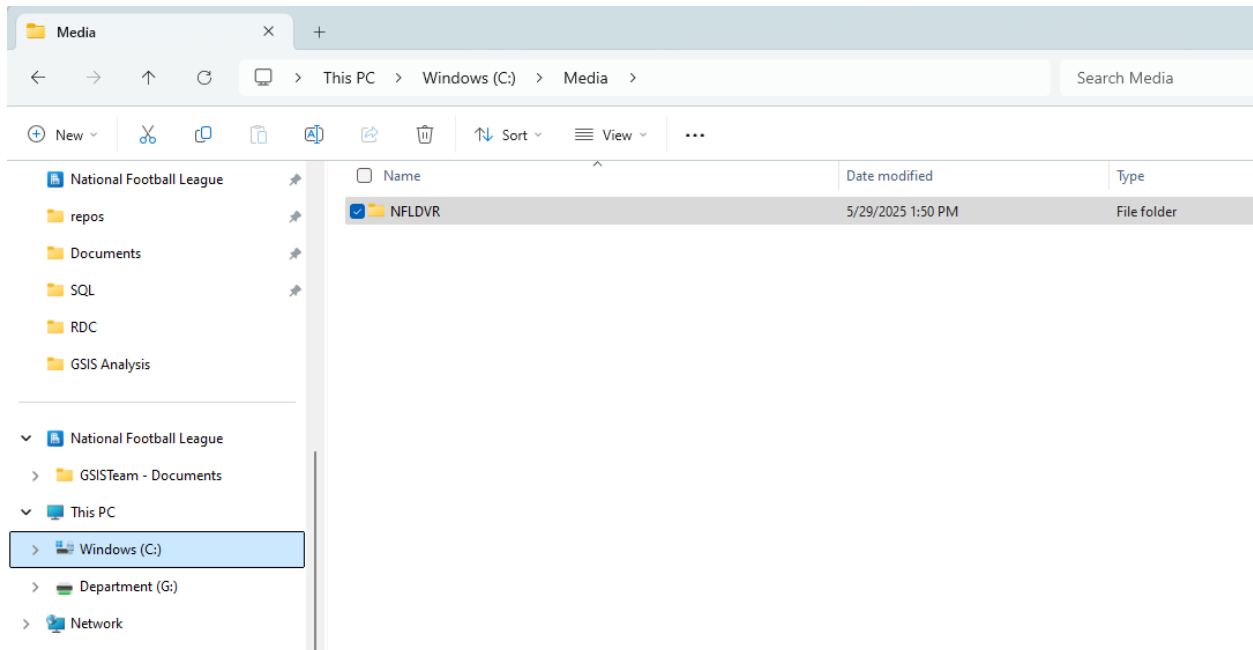


Delete Old DVR Recordings

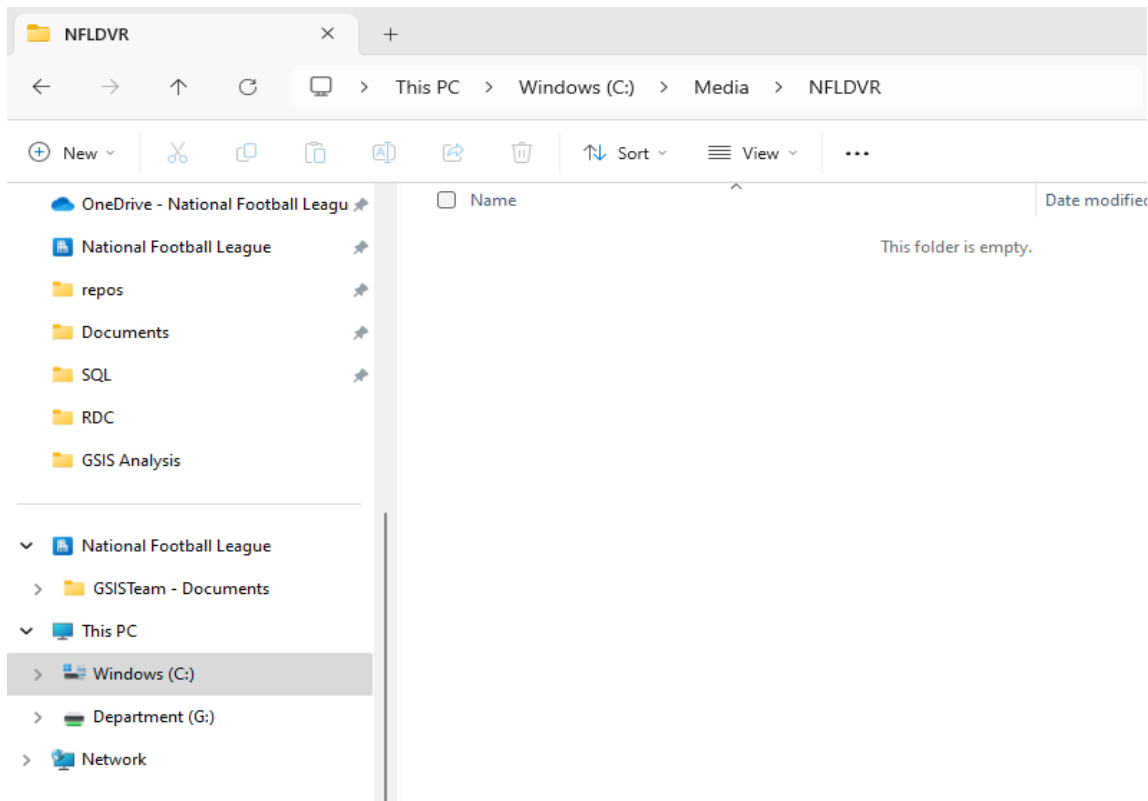
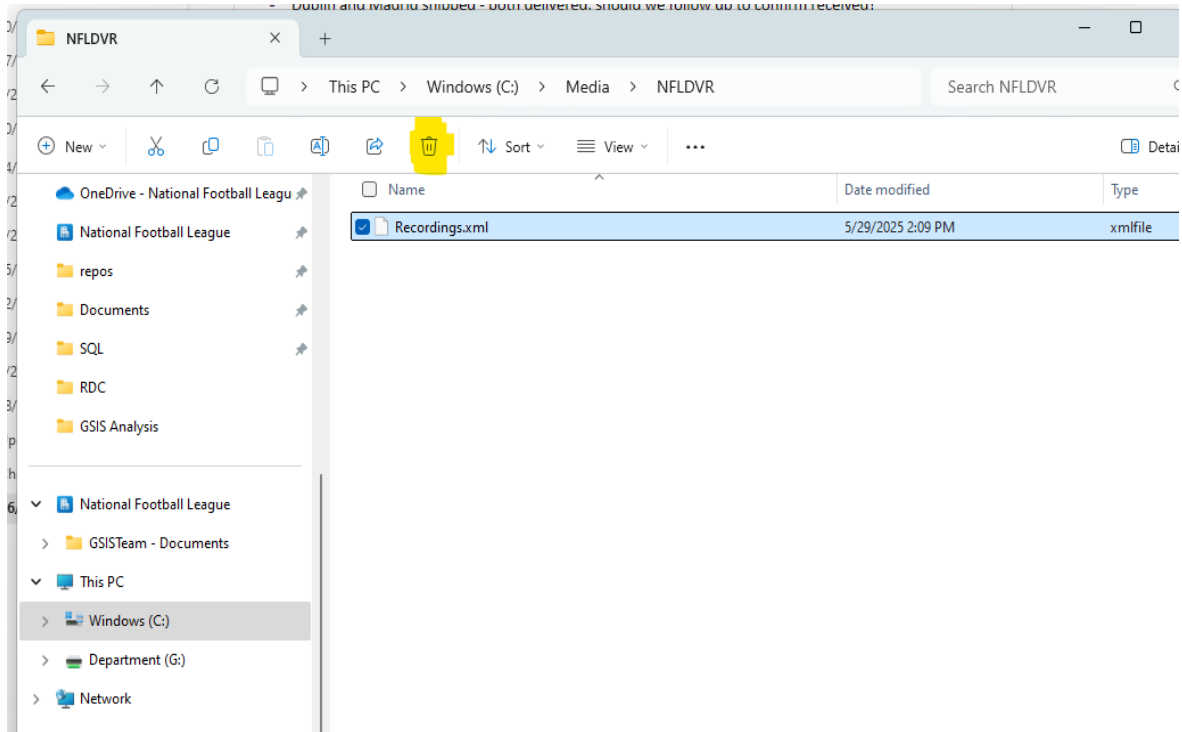
Every time you use Vision DVR, it records the game to your local file system. A common issue when Vision DVR has an issue, is because the C: drive is full. This is typically because the C: drive has filled up with old DVR recordings.

On your DVR laptops, the recordings are stored in the following path:

C:\Media\NFLDVR



You can safely delete the contents of this folder (but don't delete the NFLDVR folder itself!)

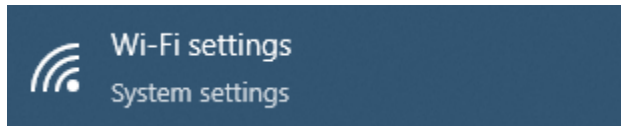


Turn Off WiFi on All Laptops

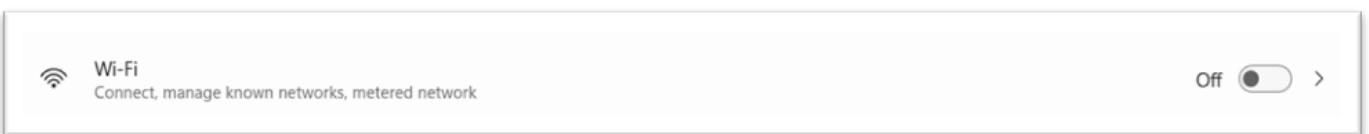
First, connect to WiFi on each laptop.

After confirming each laptop can connect to Wifi, disconnect from WiFi as laptops should only be connected to ethernet connections - the WiFi is too unreliable for GSIS during NFL games.

Click on the Windows Start button, type WiFi and click on Wi-Fi Settings:

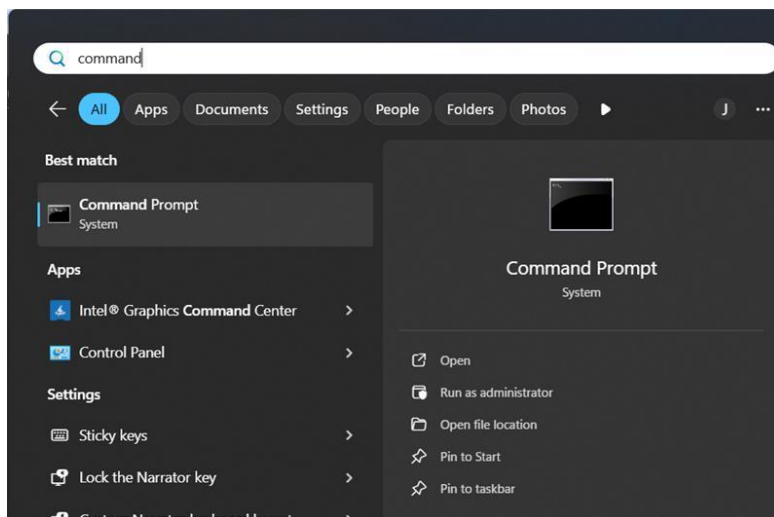


Turn off Wi-Fi:



Internet Connectivity

Click on the Windows Start button, type 'command' and click to open Command Prompt.



```
Command Prompt
Microsoft Windows [Version 10.0.26100.4202]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Club-Admin>
```

Type 'ipconfig' in the command prompt and hit enter. Take a picture on your phone of the returned results and send in the WhatsApp group.

```
Command Prompt
C:\Users\Club-Admin>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Ethernet adapter Ethernet 11:

    Connection-specific DNS Suffix . : us.nfl.net
    Link-Local IPv6 Address . . . . . : fe80::f030:dda4:cfca:6adf%54
    IPv4 Address. . . . . : 10.20.202.30
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 10.20.202.1

Wireless LAN adapter Local Area Connection* 1:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Wireless LAN adapter Local Area Connection* 10:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Wireless LAN adapter Wi-Fi 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Ethernet adapter Bluetooth Network Connection 2:

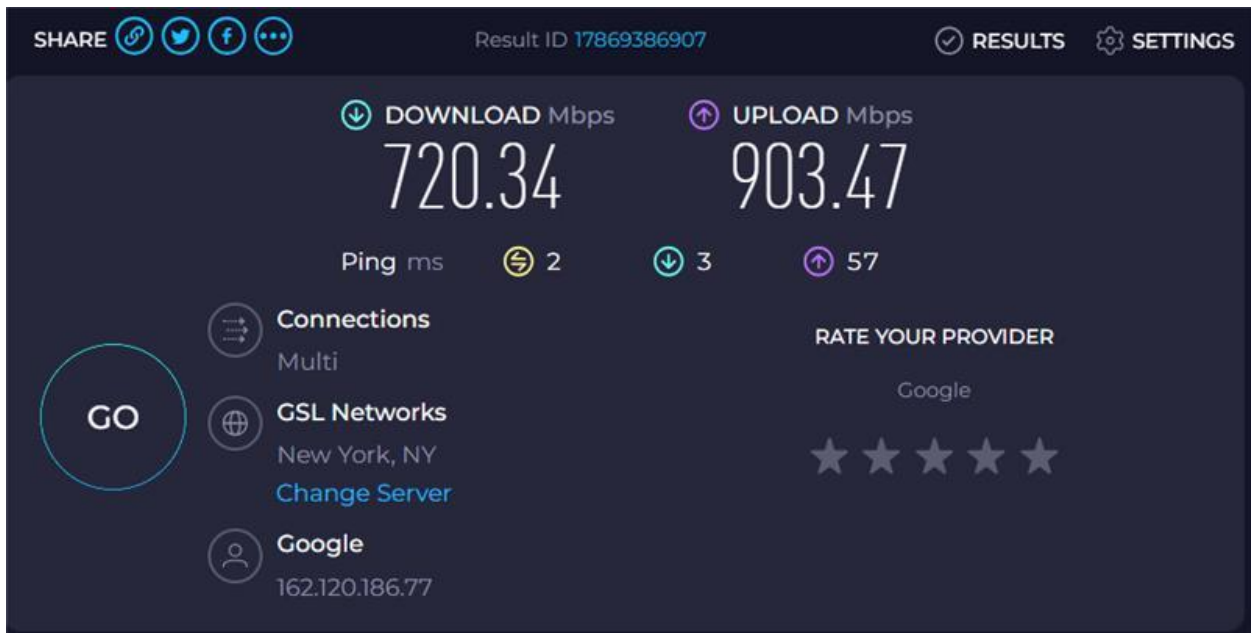
    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

C:\Users\Club-Admin>
```

Open Chrome and navigate to <https://www.speedtest.net/>. Click 'GO' and let the test run.



Take a picture on your phone of the returned results and send in the WhatsApp group.



By now, for most stadiums, we know that you can access public sites like Microsoft and Google. We now want to confirm that you can access GSIS Specific sites. Please confirm you can navigate (and log in if applicable) to the following sites from each stat location in your booth:

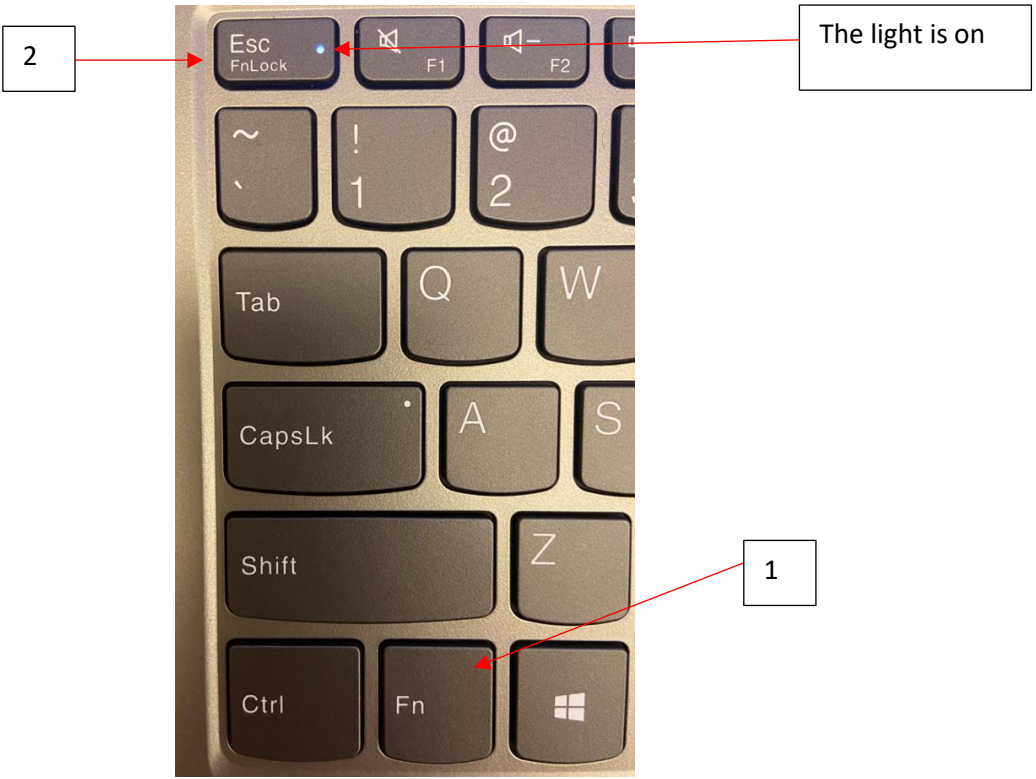
- <https://support.nfl.net>
 - This site is used by NFL GSIS team to remote into your laptop and provide additional technical support.
- <http://www.nflgsis.com>
 - Reach out to NFL GSIS if you need assistance logging in.
- <https://entry.nflgsis.com>
 - This should prompt you to log in. Enter your NFL credentials using your Multi-Factor Authentication through Okta. You should be taken to the current week's set of games.
- *Please note that we strictly use Chrome unless otherwise instructed. Chrome is the only browser that GSIS Entry has been fully regression tested on.*

Enable Function Lock

The laptops are not shipped with the Function Lock enabled, but this **MUST** be enabled for proper GSIS use.

Enable this feature by holding the “Fn” key (1) and tapping the “Esc” key (2) to turn the feature on/off.

When the Function Lock is properly enabled, the ESC key at the top left will have a tiny blue-white light illuminated:



Now when the Entry operator hits F11 to record the ball snap on every play, the Time of Day and Game Clock values will be recorded properly in GSIS.

Enable Number Lock

Turn on Num Lock for the 10-key number pad on the right of the keyboard.


Click the Num Lock button and a tiny blue light should illuminate on the button.



Chromebook Update

We need to update the Chromebooks to the latest version of the ChromeOS

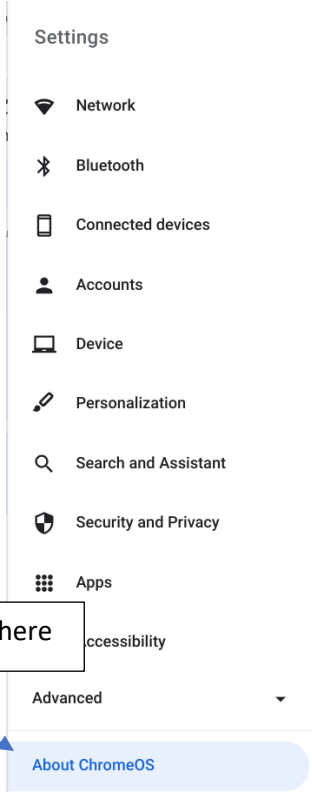
Check for updates:

1. Turn on your Chromebook.
2. [Connect your Chromebook to Wi-Fi.](#)
3. At the bottom right, select the time > Settings .
4. At the bottom left, select **About ChromeOS**.
5. Under "Google ChromeOS," find which version of the Chrome operating system your Chromebook uses.
6. Select **Check for updates**.
7. If your Chromebook finds a software update, it will start to download automatically.

These instructions and more can be found in this [Google help page](#)

Screenshots:





Search settings

About ChromeOS

Google ChromeOS

Version 114.0.5735.205 (Official Build) (64-bit) [Check for updates](#)

- See what's new
- Get help with ChromeOS
- Send feedback
- Diagnostics
- Firmware updates
- Additional details

3. Check here

Google ChromeOS
Copyright 2023 Google LLC. All rights reserved.

Game Day Audio Bridge

Microphone

Setup

Beginning with the 2022 season, we shipped Blue Snowball USB Microphones to everyone. The microphone should be plug and play. If you have trouble getting the microphone to connect to a laptop, please reach out and let us know.

Placement/configuration

There are two options when it comes to placing and configuring your microphone.

Front placement (Cardioid)

For stat crews that sit all in one row, or that sit directly behind the press box window, you may want to place your microphone at the front of your seating location, near the callers. You would configure your microphone to be Cardioid in this case using the switch on the microphone, to only pick up what is being said by the crew, and not any sound coming from the field/stadium in front of the crew.

Middle Placement (Omni)

For crews that sit in several rows, you may want to place the microphone near the center of your group and configure it as Omni so that sound may be picked up from the entire surrounding area. This should be the default configuration out of the box but can be confirmed by checking the switch on the microphone.

Note: we've found that placing the microphone at the front of the room or press box area on setting "2" has worked best. The microphones do a nice job of picking up the callers and the entry/audit operators.

Microsoft Teams

We have created a Microsoft Team for each club. This is used to establish an audio bridge between the stats crew and the NFL League office. Your NFL.com corporate account will have access to this team.

Please download and install teams (<https://www.teams.com>) on at least 2 laptops. This will serve as a primary and backup for use with the new microphone. The best choices for laptops are two of the five T15P laptops. The audit laptop is a good option. However, if the audit laptop is not in a good location to set up the microphone, then we may wish to use a laptop that is in a better location. Feel free to discuss with us when deciding which laptops to select.

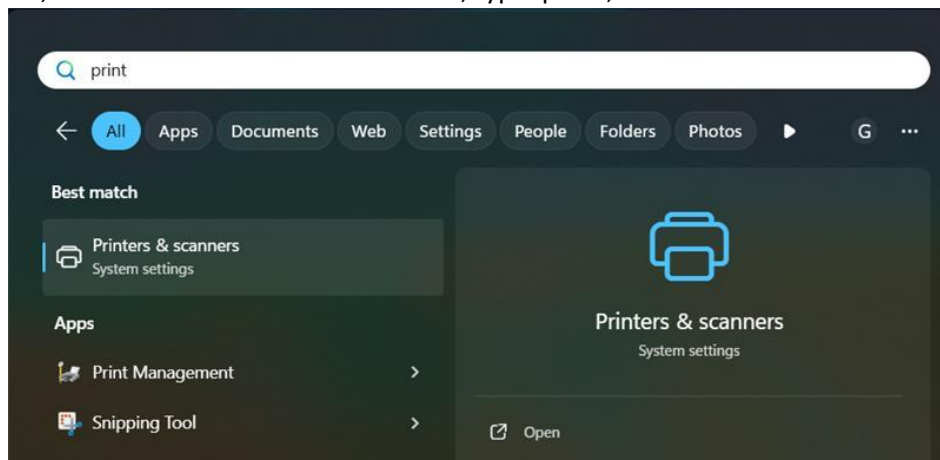
During your stadium visit, we should test that your microphone connects to Teams and that we can hear you over the audio bridge. This will confirm the microphone functionality and Teams access. **Sign in to Teams on a second laptop and test that the second laptop can hear the audio from the first laptop which has the microphone connected.** If you have any issues, reach out to GSIS for support.

MiFi

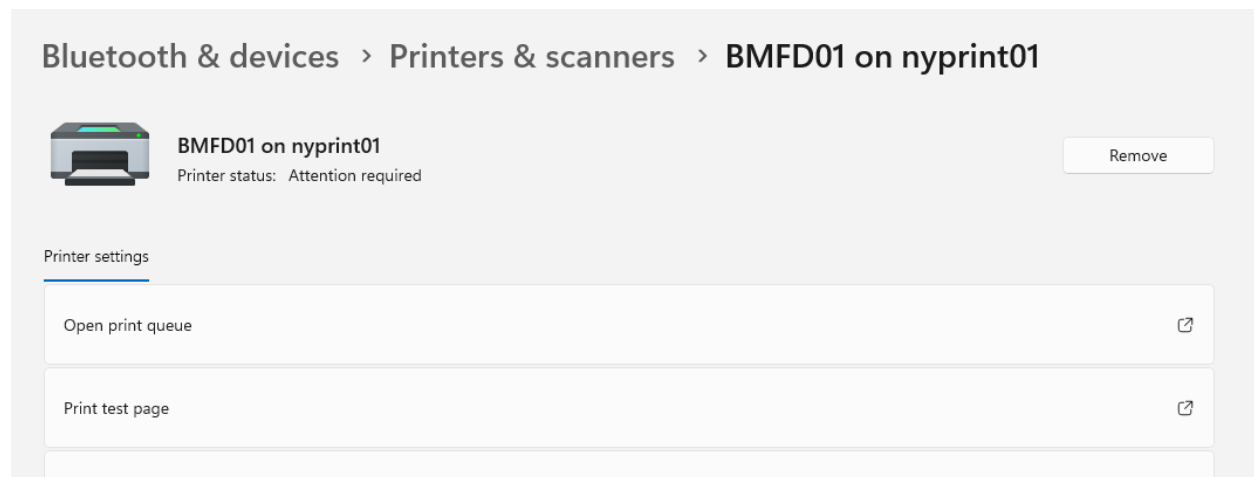
Each club should have 2 MiFi USB sticks. We will not be using them this year, so you do not need to test them, but hold on to them for now until further notice.

Printing

Using the Audit/Support laptop, Stadium Tech's laptop, or whichever laptop you will be using to print during games, click on the Windows Start button, type 'print', and click on 'Printers & scanners'.



Connect to your printer. Once connected, click on that printer and select 'Print test page' to confirm it is connected and prints as expected.



NFL Vision DVR

NFL Vision DVR is a proprietary DVR system allowing users to record a game and navigate to video for individual plays for review purposes. For GSIS, we need to install and configure this system to get the video source from our AWS Cloud. Your stadium may already have this software installed and configured, if this is the case, you may skip the Installation steps and jump to the Test steps.

2025 note: if NFL Vision DVR is already installed, you do not need to re-install or update the software. The version you are currently running is sufficient.

Installation

1. Download the latest release from www.nflgsis.com/nflvision
2. Run the installer.
3. When the installer has finished, open Notepad as an Administrator.
4. In Notepad, open a file from the menu.
 - a. c:\Program Files\National Football League\NFL Vision\NFL Vision DVR.exe.config
5. Under the appSettings node in the XML, change the value of "Channels_Path" to http://www.nflgsis.com/NFLVisionDVR/Channels/channels_Loopback.xml.
 - a. This is what the Channels_Path node should look like: `<add key="Channels_Path" value="http://www.nflgsis.com/NFLVisionDVR/Channels/channels_Loopback.xml" />`
6. Download the latest Zixi Receiver Installer from www.nflgsis.com/nflvision
7. Run the installer, accepting the defaulted values.
8. Contact NFL GSIS Tech Support to remote in and finalize your Zixi Receiver configuration.

Test

1. Open NFL Vision DVR.
2. The channel selector will pop up automatically. You should see only one channel in the list, called "Truck."
3. When you select this channel, you should see a video being played or at least color bars shown.
If you do not see this, please reach out to the NFL GSIS Tech Support.
4. Repeat the test for all DVR laptops.

GSIS Clock Transmitter (If Applicable)

If you are in a stadium where it has historically been your responsibility to start the GSIS Clock Transmitter, please follow the steps below. Otherwise, you may use these steps as reference for troubleshooting with the Game Presentation staff if we are not seeing the game clock in GSIS on game days. If during any step, the test fails or you are unable to proceed, please contact gsistechsupport@nfl.com. If it is a game day, you may call 877-635-0171 or send a message in the WhatsApp group.

1. Open the GSIS Clock Transmitter as an administrator.
2. Ensure that the Clock Transmitter software is receiving the clock signal by checking the Clock in the application is Black and Ticking, or at least with the same number displayed in the stadium game clock.
 - a. If you do not see the clock or it does not match what is being shown in the stadium, then there may be something blocking the clock signal from the clock source (Daktronics or OES). Daktronics servers typically have the clock transmitter installed on their DSTI servers. OES systems usually have the Clock Transmitter installed elsewhere on a server accessible by the game presentation staff.
 - b. Each Stadium may only have one instance of the GSIS Clock Transmitter running at one time. This is particularly helpful to keep in mind if you have a backup system like many Daktronics installations have.
3. Start the clock broadcast.
 - a. The software should have picked up the game that is being played in your stadium for the day. The URL for the GSIS Game server should be displayed at the top in Green.
 - b. Naming conventions for the game servers are
[Season][Season Type][Week][Home Club Code].nflgsis.com
(2022PRE02NYG.nflgsis.com would indicate a 2022 Preseason Week 2 Giants home game).
 - c. Click the "Start Broadcast" button if you do not see this URL.
 - d. If you still do not see the software connecting to the GSIS Game Server URL, then you will need to troubleshoot why that server cannot access GSIS. Stadium IT/Networking may need to be looped in to check firewall settings.
4. Confirm you can see the game clock ticking in GSIS by navigating to the URL shown in the clock transmitter and logging in with your okta credentials. You should see the Game Clock ticking at the top screen or at least matching what is shown in the Clock Transmitter application.
 - a. If you have made it to this step, and do not see the clock ticking in GSIS, please contact gsistechsupport@nfl.com.