



Zebra Virtual Locker Program Release Kickoff

June 29th & 30th 2021

Welcome to!



Welcome!

- **Cady Langdon** – NFL Health and Safety
 - Requirements of the PHS Program
- **John Bacon** – Zebra Technologies

Welcome to Virtual Locker Program Kickoff

Agenda

- What to Expect
- Timeline
- Hardware
- Software
- Getting Started
- Technical Support
- Open Items
- Training Materials and Demo
- Questions – hold till the end

The screenshot displays the Virtual Locker web application interface. At the top is a dark blue navigation bar with the 'VIRTUAL LOCKER' logo and four menu items: 'ACTIVITY', 'EQUIPMENT', 'PLAYERS' (which is highlighted), and 'CONFIGURATION'. Below this is a breadcrumb trail: 'Players > Adam Gotsis #96 > Edit Equipment'. The main content area has three tabs: 'Information' (selected), 'History', and 'Tag History'. Under the 'Information' tab, there is a 'General' section with the 'Equipment Code: HE-1623247222284' displayed in the top right. Below the code are four dropdown menus: 'Equipment Type *' (set to 'Helmet'), 'Manufacturer *' (set to 'Riddell'), 'Equipment Model *' (set to 'SpeedFlex Precision - R41156'), and 'Model Year *' (set to '2020'). A 'Note' section contains a text area with the text 'Prefers Visor for night games|'. At the bottom, the 'Assigned Tag' section shows a tag 'NC0001731680 X' and a '+ New Tag' button.

What to Expect

What is Virtual Locker?

- **Web and Mobile App**

- It is new and will operate differently than what you are used to
 - We want your feedback and suggestions at the start so that we can evolve the solution into the season
- Work in conjunction with each other and will update instantly (on wifi)
- Mobile App, pre-loaded, update required on July 1st
 - OKTA login sequence – your NFL email user ex. Jeff.Mazurek@bills.nfl.net and Password ; EQMs have ADMIN accounts and can add additional users
 - Touchscreen and keypad functionality
- All reports – Gameday, Practice and Custom scans can be exported
- Smart Logic – only compatible parts and components populate for equipment options

- **Worked closely with NFL on initial specifications and small group of Equipment Managers for useability improvements**

- **Helmets and Shoulder Pads ported over from Helmet Tracker into Virtual Locker**

- Shoulder Pads will require you to add the ZEBRA Virtual Locker RFID Tag (leave the HT Tags)
- No Cleat data ported, starting clean in 2021, all cleats will need to be created and tagged ("not as bad as it sounds")

- **Fixed Portals installed in Stadium and Practice Facilities will capture the bulk of Gameday and Practice Scans**

- Always reading – no team requirement to operate

- **Continuous Training opportunities and Training Materials will be available**

- **Zebra Technologies 24/7 support**

- Email preferred method for ticketing system and immediate support
- Use of TeamViewer for Mobile App troubleshooting

Virtual Locker Release Timeline

June & July

June 29th & June 30th	Program Kickoff & Training Material Distribution, Training and Live Demonstrations. Handheld Devices shipped/received.
June 30th (10am ET)	No more entries in Helmet Tracker will be ported over to Virtual Locker
July 1st	Virtual Locker goes LIVE. All Clubs can login and access the solution.
Month of July	Subsequent Training sessions as needed



Hardware – Handheld Devices

Hardware

DS9908R

- Tethered USB device allows scanning Barcodes into the Web App
- Used with Windows Laptop or PC with the installation of the DS99 Scanner Service
- Hybrid RFID – Scans regular barcodes and RFID with the dual action trigger



Hardware

MC3300X

- Android-based handheld scanner
- Allows you to perform Gameday, Practice, and Custom scans with the Virtual Locker App
 - Can be used to fill in gaps from a portal scan, or scan the entire team if at Training Camp
- Create and Assign Equipment directly from the app
 - Parts must be filled in from the Webapp
- Quick information sync between App and Web App via Wi-Fi
 - 1920 Network is pre-saved, but can be used with your favorite Wi-Fi access point
- Shipped with charging dock
- For any updates, the user will be prompted to download when opening the application
- Included Team Viewer Quick Support for us to remotely view what you are doing to help troubleshoot



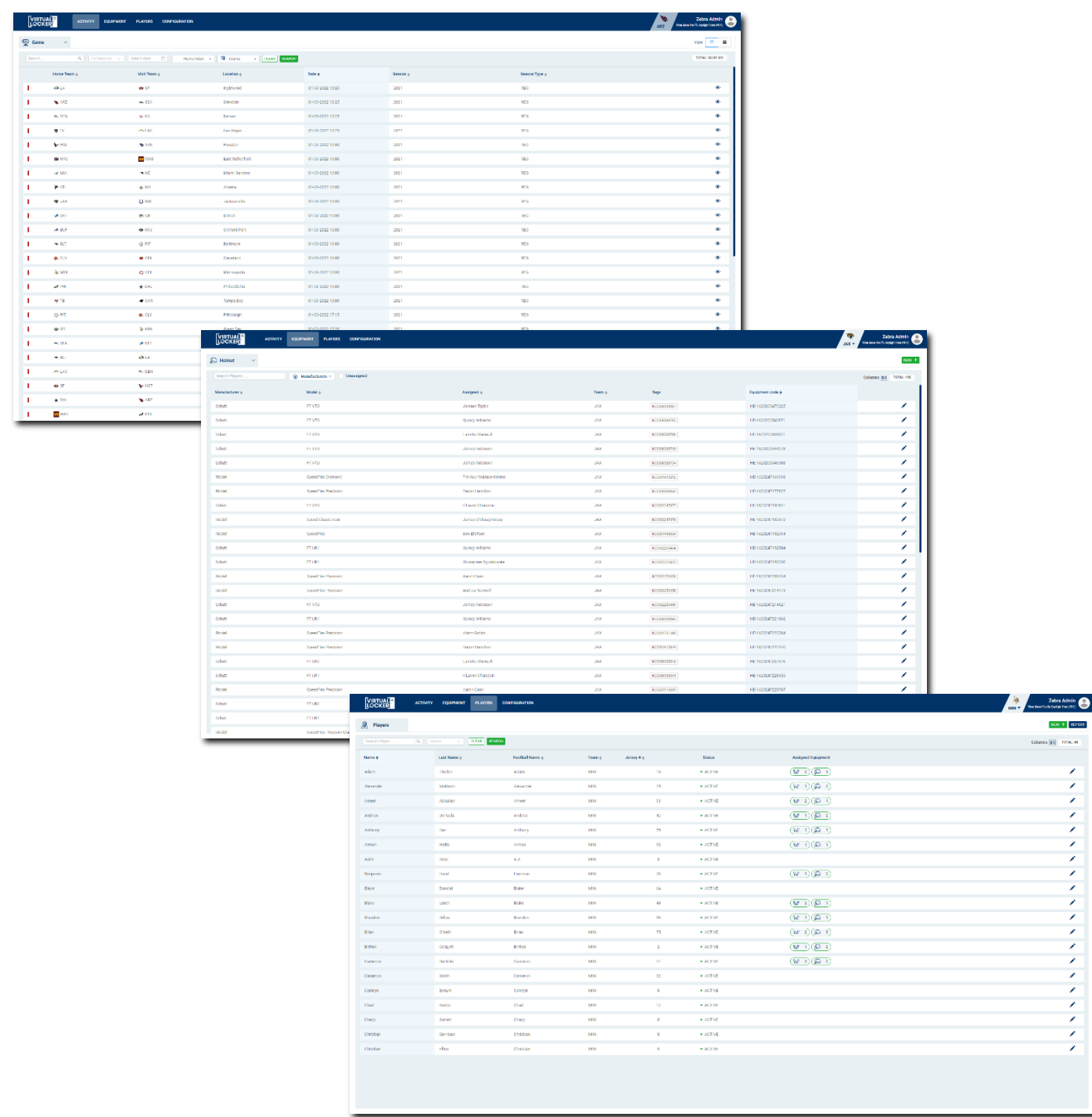


Software Solution – Web and Mobile App

Software

Virtual Locker Web App

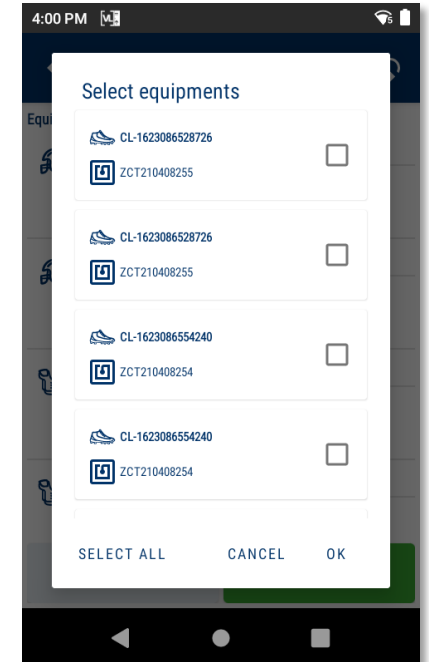
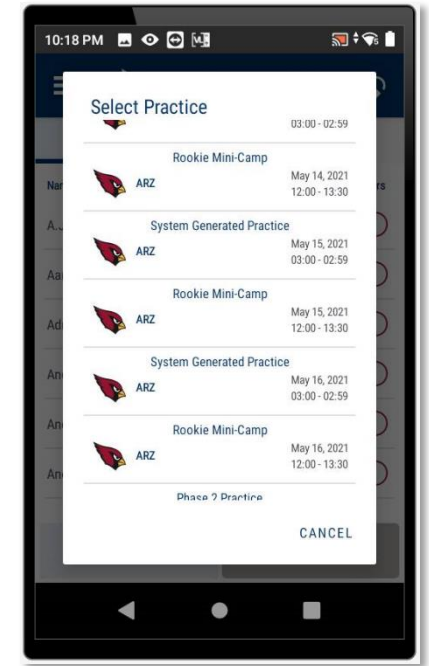
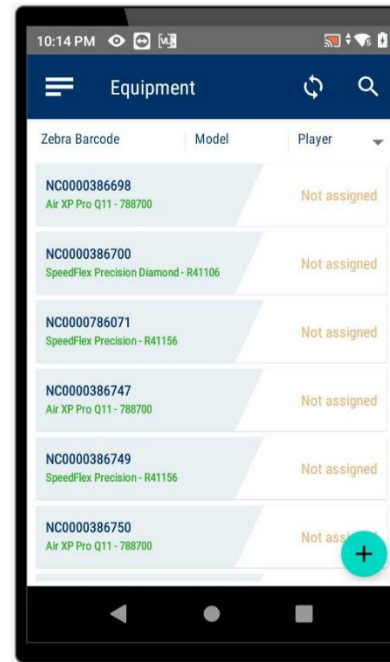
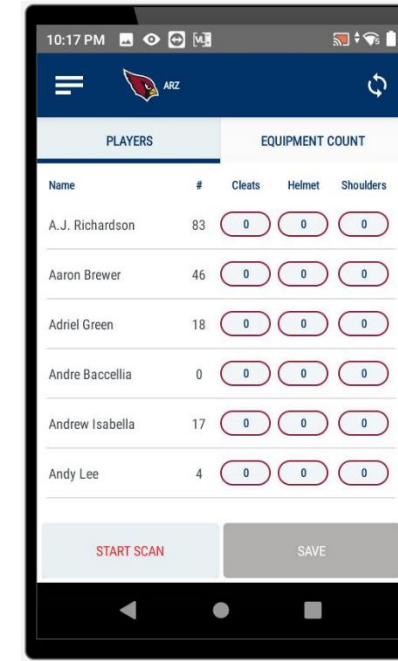
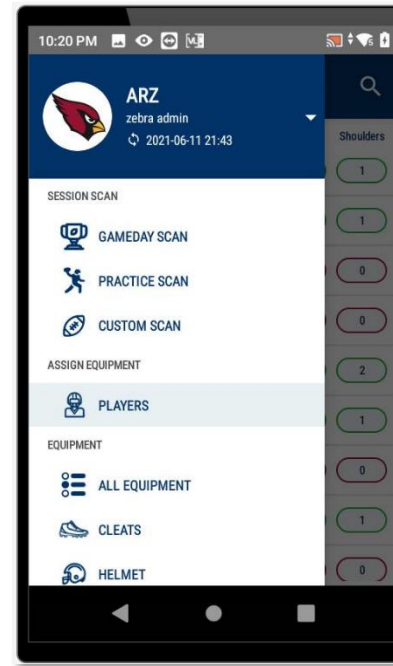
- Create, Edit, and Assign Equipment
- View and Edit Activity Scans (Game, Practice, Custom)
- Previously created and assigned Helmets and Shoulder Pads have been imported
- Shoulder Pads and Cleats will need Zebra Barcodes added and scanned into the system
 - Helmets are using the NOCSAE tags
 - Shoulder Pads using Zebra Barcodes, added with Helmet Tracker will be imported into Virtual Locker
- Web App Address: <https://vl.zebrasports.com/login>



Software

Virtual Locker Mobile Android App

- Create, Edit, and Assign Equipment
 - Full parts list will have to be edited via the Webapp
- Finish incomplete Activity Scans (Gameday, Practice) or do a complete scan
 - Example 1: Player decided to use a different tunnel on Gameday, pull up the game in the app and scan his equipment to add to the report
 - Example 2: Traveled to different facility for Training Camp, can sweep the sideline to get the scan for the Practice
- Custom Scans – Can be performed for whatever you like! Scan lockers, or bags, or trunks.
 - We will be using these in lieu of Gameday or Practice Scans during the Beta Phase.
- Mobile App – preloaded on each MC33



Hardware/Software Use Cases

Task	Web App & DS99	Virtual Locker App & MC33
Create equipment & all components	✓	✗
Quick equipment creation without components	✗	✓
Assign Equipment	✓	✓
Single Barcode Scan (Assigning Equipment)	✓	✓
Multi RFID Scan (Missed Player Scans)	✗	✓
Create a Practice	✓	✗
Custom Scan	✗	✓
Remove scanned item from Game/Practice Scan	✓	✗

How to Get Started

1. Familiarize yourself with Training Material
2. Log into Virtual Locker Web App with OKTA/NFL login (email account)
3. Install DS99 Service on Windows PC
 1. Downloadable from the Virtual Locker website
4. Login to MC33 & Update MC33 App
 1. App automatically checks for updates on user login
5. Run through Training Material to perform tasks
 1. Create/Edit/Assign Equipment on Web App
 2. Create/Edit/Assign Equipment on MC33
 3. Run Custom Scans on MC33
 4. Review Custom Scans on Web App

- Links will be provided via email

Technical Support / Questions

24/7 Technical Support Issues or General Questions

- [Send via Email to vlsupport@zebra.com](mailto:vlsupport@zebra.com)
- Email will be sent to entire Zebra Support staff, fastest way to get eyes on the issue.



Hardware – Fixed Portals

Fixed Portals – Stadiums & Practice Facilities

- **Three (3) Primary Antenna Formfactors**
 - Overhead Antenna
 - Wall Units – left and right
 - Ground Mount Towers – left and right
- Some venues have decided against Floor Mat Antennas
 - Facilities/aesthetic concern
 - Logistics issues or concerns
- High rate of tag reads with and without Floor Mat Antennas
- **Portals are always on**
 - Game Day; start of pre-game through the end of game
 - Practice
 - Scheduled in the GMS Activity Calendar
 - Or manually create a practice in Virtual Locker prior to the start of the practice
 - Mobile App/MC33 - syncs to Portal reads and Reports
 - Can update missed player scans



Open Items

- **Missed Equipment Scan Report**
 - Not a specific report or email, entire roster report can be sorted to see which players/equipment was missed
 - Working with NFL on Participation API to evolve into Missed Scan Reports
 - Scan missed players via MC33 or DS99
 - Remove incorrect equipment on Web App only
- **Players Added to Roster**
 - Should appear on the roster within 24 hours
- **Player equipment profile/download**
 - Print to PDF
- **VL Helmet Guide Images**
 - Assist with location and name of Parts
- **MC33 Read Range**
 - Select RFID or Barcode Mode – exists today
 - Read Range select for RFID in future update
- **Missing Data Fields**
 - Historical data with misspellings are errant and not ported (<1% of imported data)
- **Cleat Rostering**
 - Working with NFL and OEMs to update "Style" and "Article" number inventory to auto populate Make/Model/Year. Currently will need to select manually
- **Knee Braces**
 - Plan to add Knee Braces to the Equipment section prior to the start of the season in coordination with NFL Player Health & Safety; 6 teams participating (ATs assisting; AT/EQMs)

Training

Demo & Materials

Zebra to demonstrate how to perform the basic operations and introduce the Training Materials.

Materials will be provided via email as well as located within Virtual Locker in the About section

Use Cases Covered:

- Create Equipment in Virtual Locker Web App
- Assign Zebra Barcode Tags to a Player – DS99 Scanner
- Custom Scan/Practice/ Game Scan – MC33 Scanner
- Activity View (Custom Scan) in Virtual Locker Web App

Questions?