

iOS 11 Features

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What I will cover

- This presentation is limited to 50 minutes.
- Major Features of iOS 11.
 - Not all features are covered.
- No 'demos' of new features on my iPad or iPhone.
- Google it for step-by-step procedures with Screen Shots.
- Limited info on Apple Pencil on iPad Pro.

Important Note

- iOS 11 - is performance optimized for 64-bit apps.
- 32-bit apps will need to be updated by the app developer to work with this version of iOS.
- Apple urged 64-bit compatibility starting in October 2014.
- 14.3 percent of the App Store hasn't embraced 64-bit:
 - iOS 11 will leave about 527,000 apps behind.
- I loaded **iOS 11** and updates on a 6-S Plus, a 5S phone, and two 2017 9.7 iPad with no problems.

iOS 11 Overview

- New features - iPhone and iPad
 - A new App Store,
 - A more proactive and intelligent Siri,
 - Improvements to Camera and Photos,
 - A new Control Center.
 - A New 'Files' app.
- The biggest release for iPad ever.
 - Powerful multitasking features,
 - New Keyboard feature,

iOS 11 is compatible with 64-bit devices only

iPhones

- iPhone 7 Plus, 7
- iPhone 6s, 6s Plus, 6, 6 Plus
- iPhone SE
- iPhone 5s

iPads

- 12.9-inch iPad Pro (first/second -generation)
- 9.7-inch iPad Pro (2017- 32GB)
- 10.5-inch iPad Pro
- iPad (fifth-generation)
- iPad Air 2, iPad Air
- iPad mini 4, 3, 2

iOS 11 Updates

- **iOS 11.0.1** - includes bug fixes and improvements for your iPhone or iPad. Security = <https://support.apple.com/kb/HT201222>
- **iOS 11.0.2** - includes bug fixes and improvements for your iPhone or iPad.
 - crackling sounds during calls for a iPhone 8 and 8 Plus devices;
 - addresses issue that could cause some photos to become hidden;
 - issue where attachments in S/MIME encrypted emails would not open.
 - Security = <https://support.apple.com/kb/HT201222>
- **iOS 11.0.3** - Fixes audio and haptic feedback would not work on some iPhone 7, 7 Plus devices; addresses an issue touch input was unresponsive on iPhone 6s displays not serviced with genuine Apple parts.

Note: Non-genuine replacement displays may have compromised visual quality and may fail to work correctly

Security = <https://support.apple.com/kb/HT201222>

App Store

On your iPhone, iPad

- **Open** the App Store to browse apps.
 - Tap 'Today' - see featured stories and apps.
 - Tap 'Games' or 'Apps' -see new releases, EDITORS CHOICE, LIMITED TIME, NEW GAME, NEW FEATURES , or BROWSE by category.
 - Tap Search to use a keyword to find an app.
- When you find an app that you want, download it to your device:
- **Tap on the app** to view the app's product page.
 - Read and understand what your getting.
- To get a free app, tap **Get**.
- To buy an app, tap **the price**.

App Store

On your iPhone, iPad

- In App Purchases = extra content or subscriptions that you can buy in apps on your iOS device

iCons Across the bottom of the screen.

Today = Apple Favorites & Daily Lists

Games = New Games Apple Loves & Specials \$

Apps = Apps w/ Major Updates & New Apps

Updates = Apps that need updates installed.

Search = Trending apps & Search for anything.

Multitasking in iOS 11

- There are four components:
- **Slide Over** = Move an App to one 25% of display.
- **Split View** = split display in half to display 2 apps.
- **Picture-in-Picture** = watch a video and use another App.
- **App Switcher** = Allows quick switch between App already opened.

Use the Dock to work more apps simultaneously

- Find the **Dock** at the bottom of the Home screen.
- The **Dock** allows **instant open** and switch apps from any app open.
 - Customize the **left** side of the Dock with favorite apps.
 - On the **right** side, see apps recently used and apps open on the device.
- To **see the Dock** while using an app, swipe up with one finger from the bottom edge of the screen.
- To **customize** the Dock with favorite apps, touch and hold an app on the Home screen, drag it to the **left side** of the Dock. (Drag & Drop)
- To **remove an app** from the Dock, touch and hold an app on the left side of the Dock, then immediately drag it off.
 - Wiggle (Jiggle) not required.

Slide Over

- Put a second app on the left or right side of the display.
- From the Dock
 1. Swipe up from the bottom of the screen to invoke the Dock.
 2. Touch/hold - drag an app from the Dock to the right/ left side of the display. (App will open when in place)
 - A. Both Apps are active
 3. Drag Slide Over app **OFF** the screen from the swiping L/R .

Split View

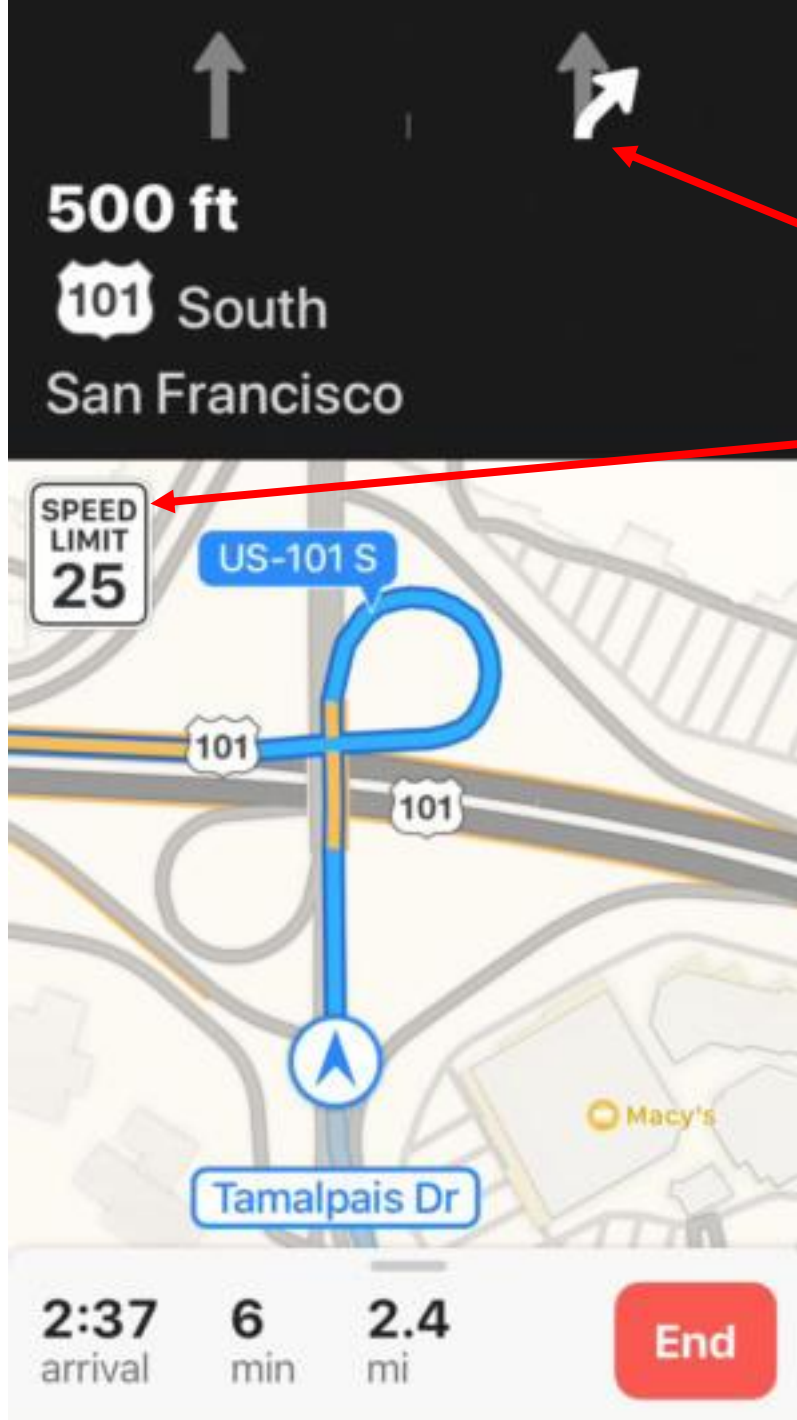
- It allows two separate apps side by side.
- There is a movable divider between the two apps.
- Move the divider bar to 50% -50%.
- Move seamlessly between the two, as well as moving files and information. (Drag & Drop)
- On the iPad Pro, you can have up to two Slide Over apps active over a third app.

Use Multitasking on iPad

- **Work with two apps at the same time.**
 - Answer emails while watching a video.
- **Switch apps using gestures.**
- **To see the app switcher: (to see all open apps)**
 - 1. From the bottom edge of the screen, swipe up with one finger.
 - a) See the Control Center & all open Apps.
 - 2. Or double-click the Home button.
 - 2. Swipe right with one finger to find and open a different app.
- **Switch apps:** While using an app, **swipe** left or right with four or five fingers to switch to a previously used app.
- **Return to the Home screen:** While using an app, **pinch** four or five fingers together on the screen.

Apple Maps - Do Not Disturb

- Apple Maps new features:
 - Lane assist,
 - Speed limit,
 - “Do not disturb” while driving mode.
- With "do not disturb" enabled:
 - No notifications or messages while the car is in motion.
 - If receiving a texts, they get an auto-reply;
 - that says “driving and will get back at destination. “
 - If it's an emergency, though, there is the option to break the "do not disturb.”
 - Call again within 3 minutes from same device.
 - Limited Notifications when Bluetooth for hands free.
- Detailed maps of hundreds of airports and shopping centers.



Apple Maps

Lane Changes, Speed Limit.

Also:

One-handed zoom with double tap and swipe.

Interact with Flyover by moving the device.

Tap, Drag, and Drop iPhone & iPad

- Tap and drag files, text, and just about anything else.
- Move layers in Photoshop.
- Slide Over the Files app to drag assets into an animation app.
- Dragging **text** from a text message **into Maps** app:
 - Triggers a search.
- Select multiple files with ease. (2 steps)
 - 1. Tap and drag one file,
 - 2. With a different finger, tap more files to add to the bundle.

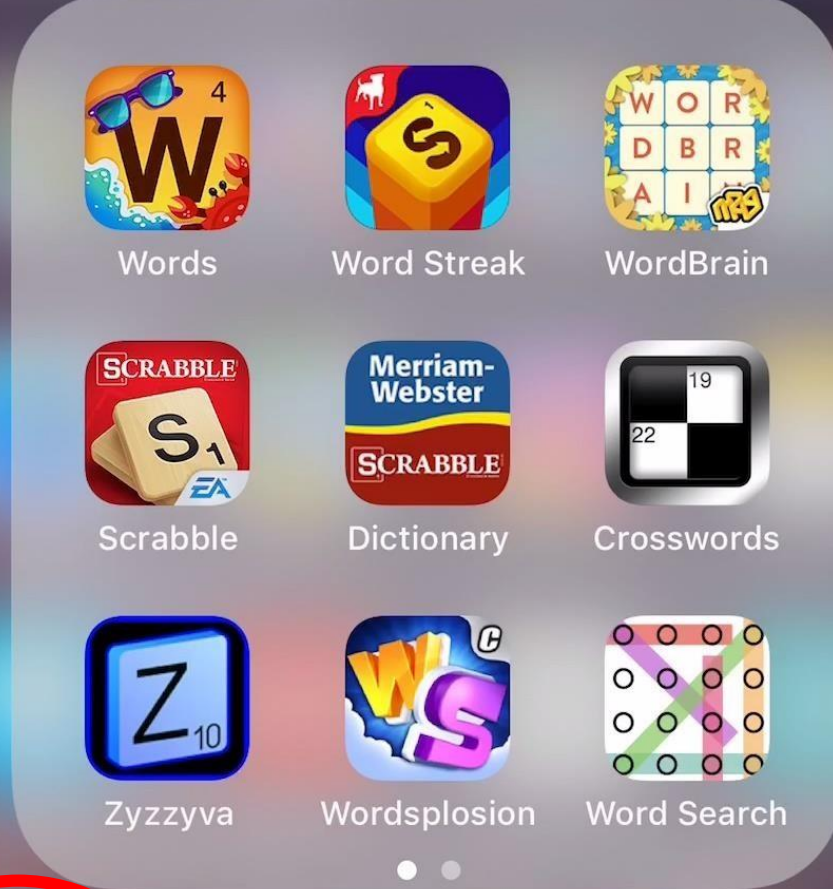
Apple integrated drag & drop wherever:

App developers need to add it to their apps software.

Update Apps to get the function.

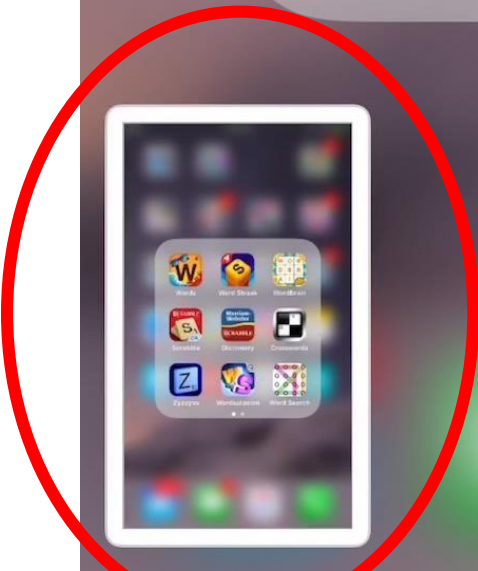
Screen Shots

- **Screenshot Preview**
- Taking a screenshot brings up a little preview:
 - lower left corner that you can drag and drop to share.
- **Screenshot Doodle**
- Tap the preview image:
 - get a slate of tools to doodle and draw on the screenshot.
 - Example: To highlight a particular street intersection.
- On the iPad Pro, able to use the Apple Pencil.



Screen Shot

1. Creates a Thumbnail
2. Tap Thumbnail to create new markup window.





AirDrop. Share instantly with people nearby. If they turn on AirDrop from Control Center on iOS or from Finder on the Mac, you'll see their names here. Just tap to share.



Message



Mail



Add to Notes



Twitter



Facebook



Assign to
Contact



Copy



Print

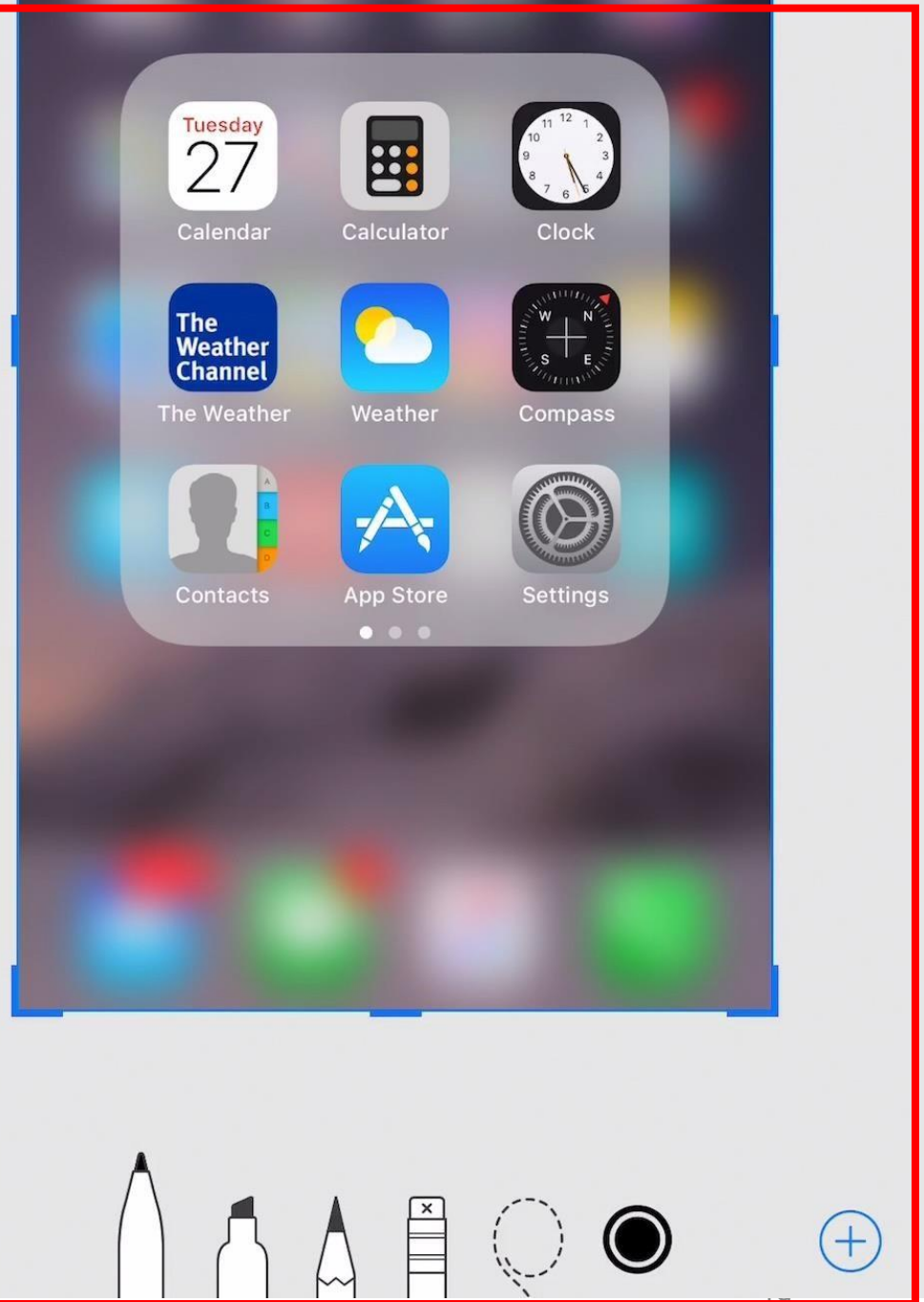


Save to Files



Create Watch
Face

Cancel



New Control Center

- Biggest change.
- Takes up a full page.
- Customize which controls you want to use.
- These controls **can't be disabled or moved** around in Control Center.
 - Airplane mode, cellular, wi-fi, Bluetooth, music playback, screen orientation, Do Not Disturb, screen brightness, volume controls, and screen mirroring
- Other controls are customizable.
- Add or remove them and reorganize where on your screen.
- How to use/disable it. <https://www.imore.com/control-center>

Manage the Control Center

- **In the Settings app:**
 - a section for choosing which features to access in the Control Center.
 - Settings > Control Center.
- The Following Apps **can be added** to the Control Center.
 - Flashlight , Timer, Calculator, Camera, Accessibility Shortcut, Alarm, Apple TV Remote, Do Not Disturb While Driving, Guided Access, Home, Low Power Mode, Magnifier, Notes, Screen Recording, Stopwatch, Text Size, Voice Memos, Wallet.
- Add all of the options to Control Center, or just what's most relevant.
- **An expanded 3D Touch access.**
 - A 3D Touch on one of the icons brings up additional options.
- Example: Music icon, play controls are accessible by default:
 - with a 3D Touch, bigger playback window opens up with song info.

Control Center - 3D Touch

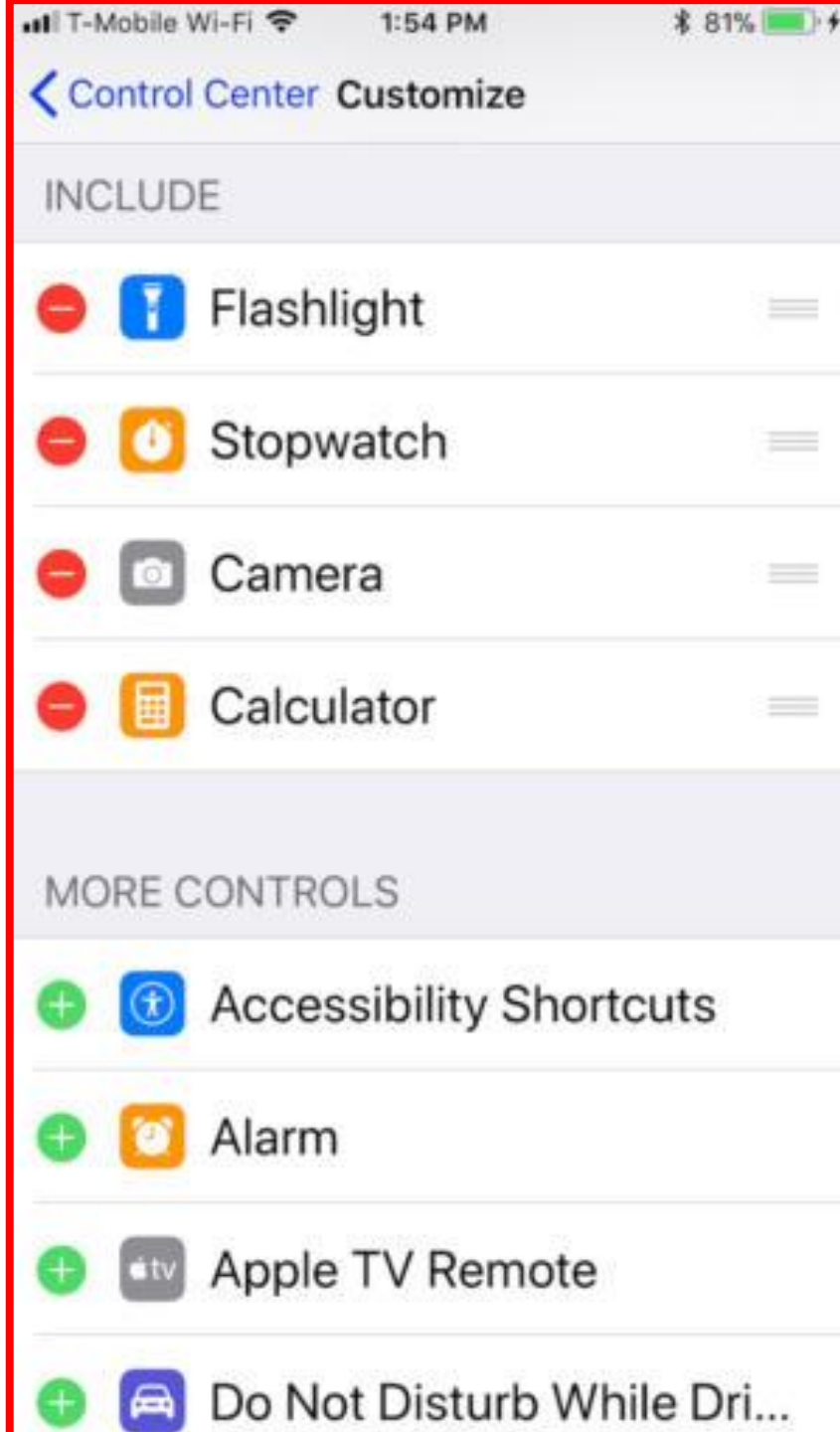
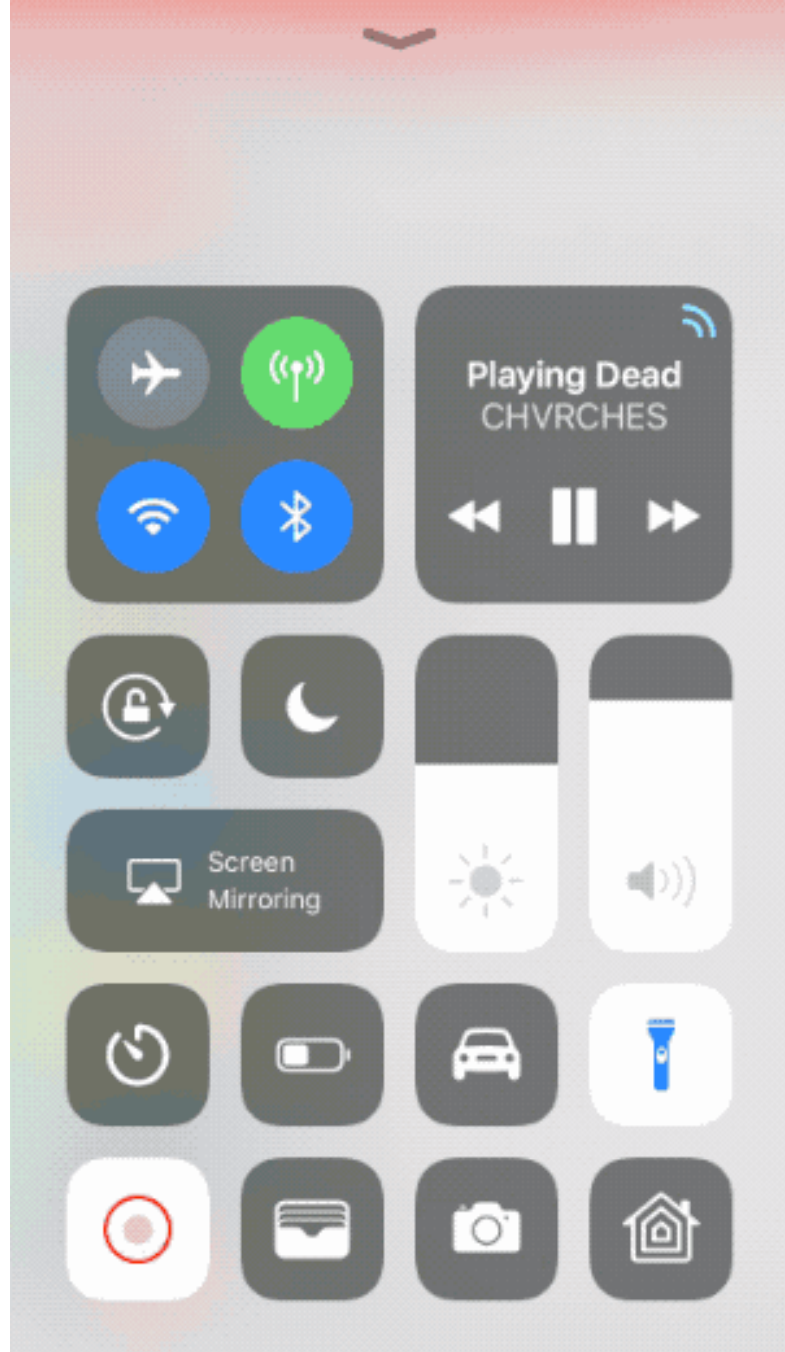
- 3D Touch options are available for all settings;
 - more complex than just a simple toggle on/off button.
- Control Center takes up the full display on the iPhone:
 - works differently on the iPad.
- A swipe up from the bottom of the iPad screen opens up:
 - the App Switcher, and the Control Center.
 - Control Center is located on the right side of the display:
 - Both landscape and portrait mode.

iPad Control Center



iPhone Control Center






Wi-Fi and Bluetooth

- Toggle the Wi-Fi or Bluetooth buttons in Control Center:
 - The device will disconnect from Wi-Fi or Bluetooth Networks.
 - Both Wi-Fi and Bluetooth will continue to be available, to use these features:
 - AirDrop, AirPlay, Apple Pencil, Apple Watch, Handoff, Hotspot, Location Services.
- Friends visit, share your Wi-Fi password:
 - By holding your device next to their device.
 - The trick works with iPhones and iPads both running iOS 11.

Disconnect from Wi-Fi networks

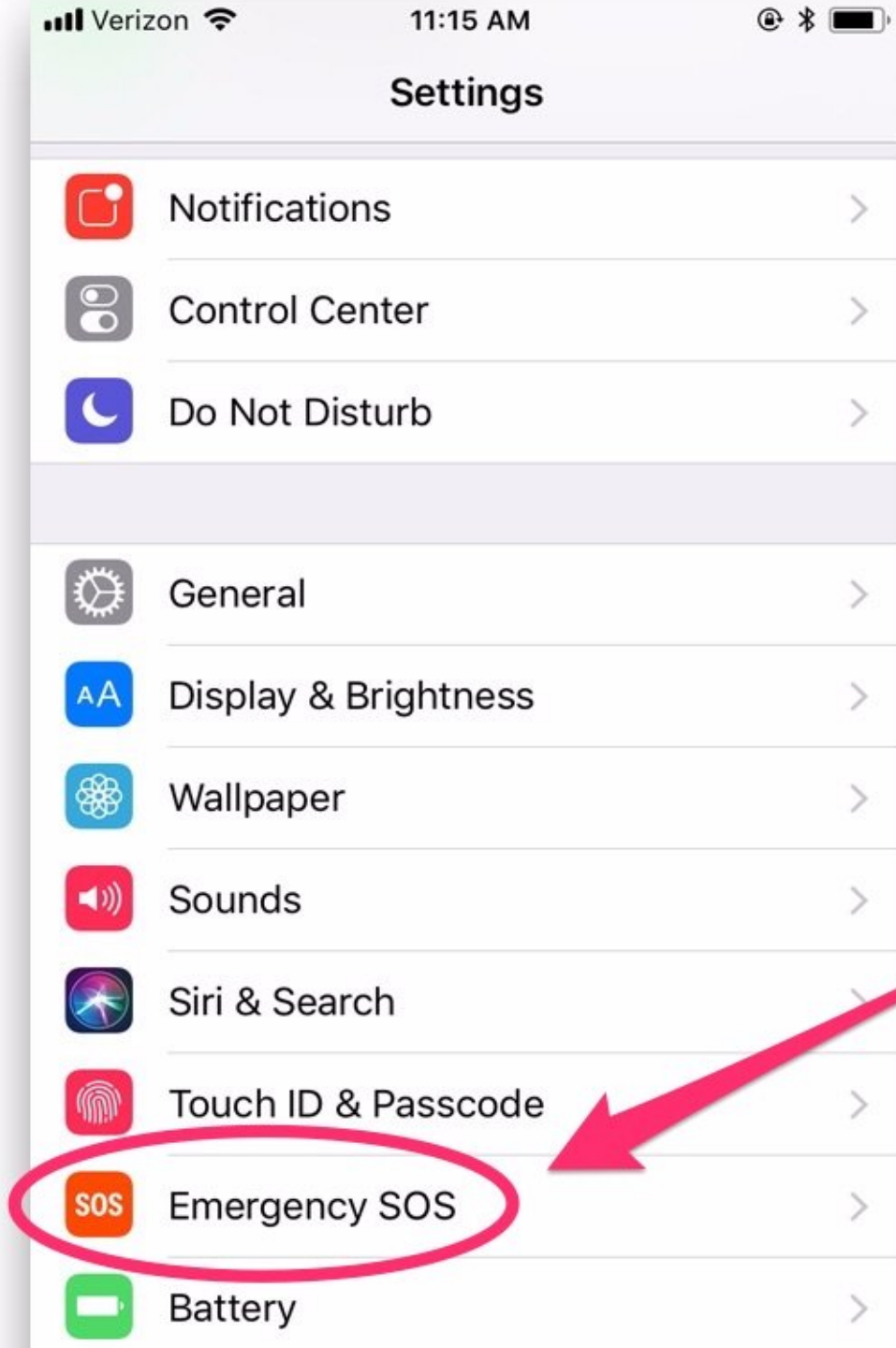
- Open Control Center and tap  (Wi-Fi)
- The icon will dim and the device will disconnect from any network that you're connected to.
- While Wi-Fi is disabled, auto-join for any nearby Wi-Fi networks will also be disabled until:
 - You turn **ON** Wi-Fi in Control Center.
 - You connect to a Wi-Fi network in Settings > Wi-Fi.
 - You walk or drive to a new location.
 - **It's 5 AM local time. (Auto Turn Back ON)**
 - You restart your device.

Disconnect from Bluetooth accessories

- Open Control Center and tap  (Bluetooth)
- The icon will dim and the device will disconnect from any accessory it's connected to, except for:
 - Apple Watch, Instant Hotspot, Apple Pencil, and Handoff.
- If Bluetooth is turned off, cannot connect the iOS device to any Bluetooth accessories until:
 - You turn **ON** Bluetooth in Control Center.
 - You connect to a Bluetooth accessory in Settings > Bluetooth.
 - **It's 5 AM local time.**
 - You restart your device.

Set Up Emergency SOS iPhone Only

- Activated by pressing the power button **five times** in a row.
- The iPhone can:
 - call emergency services,
 - notify the emergency contacts.
- That you're in a situation and send your location.
- It also disables TouchID on the phone:
 - so an attacker (or whomever else) can't get access to the data.



Emergency SOS in Setting App.
iPhone

The iPhone keyboard is smarter

- Type anything - the keyboard will suggest words recently viewed on your iPhone, from the:
 - Messages app,
 - Safari.
 - Example: A friend texts the name of a restaurant, it may be one of the first suggestions when searching for that restaurant on the web.
- Ability to use Apple's default keyboard with just one hand.
- To activate:
 - hold the emoji key
 - select one-handed typing to move all the keys closer to the thumb,
 - either side.



One Handed Typing
The iPhone Keyboard
is moved closer to the
Thumb.

Store Twice as many Photos/Videos on iPhone

- Apple changed the compression format.
 - Roughly twice as many as in iOS 10.
- To activate this feature:
- 1. Go to Settings app,
- 2. Select Photos,
- 3. Select "Optimize iPhone Storage."
- Web site info: <https://www.cultofmac.com/491070/free-up-storage-ios-11/>

iPhone

19.5 GB of 256 GB Used



Calculating category sizes...

RECOMMENDATIONS



Offload Unused Apps

Enable

Automatically offload unused apps when you're low on storage. Your documents & data will be saved.



Review Large Attachments



See photos, videos, and attachments taking up storage in Messages and consider deleting them.

iPhone Storage.

Navigate to **Settings > General > iPhone Storage**.
1. See exactly how much space is being taken up by all the media on the phone.
2. Get a Save Figure
Example: **Save 772.4 MB**

Notifications

- All notifications:
 - both recent and missed,
 - are in one place,
 - no separate tabs.
- Pull down from the top of the screen to see everything at once.

Stop apps from begging for reviews

- Dislike the pop-up windows from apps constantly asking for a review.
- Banish them forever.
 1. Go to Settings,
 2. Go to iTunes & App Store,
 3. Toggle the switch for In-App Ratings & Reviews to **OFF**.

Take Live Photos of video calls

- During a FaceTime call - capture that moment in a image format.
- To take a Live Photo of someone during a FaceTime call:
 1. Press the white button in the bottom left corner of the screen.
 2. Both participants need to have:
 - A. iOS 11
 - B. Live Photos turned **ON**
 3. The other person will get a notification that they've been Live Photo-ed.
- Prevent taking Live Photos of you by:
 - turning **off** the option in FaceTime's settings.
- They can still use screen recording during a call (audio) and you won't be notified.

Save webpages as PDFs

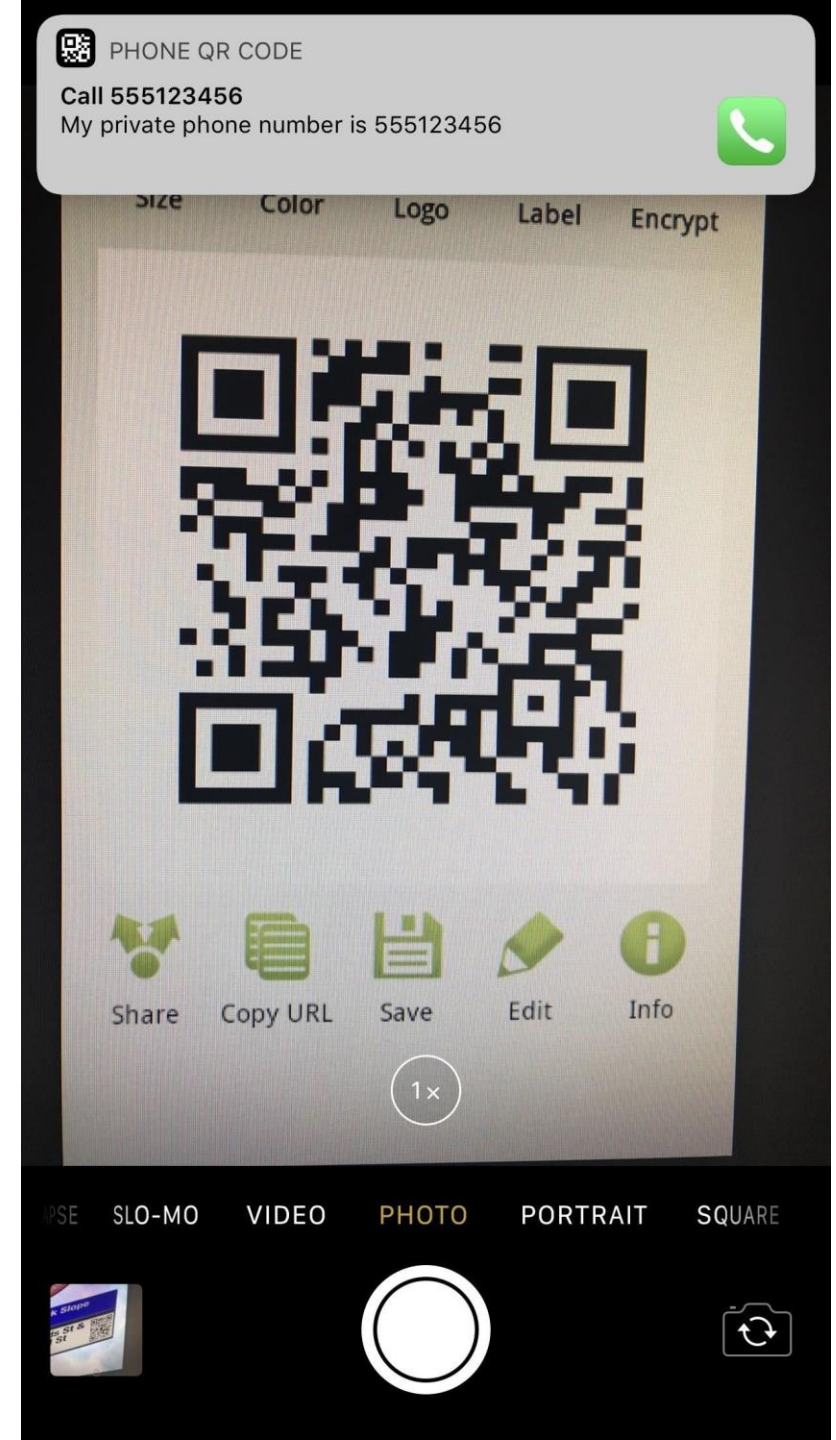
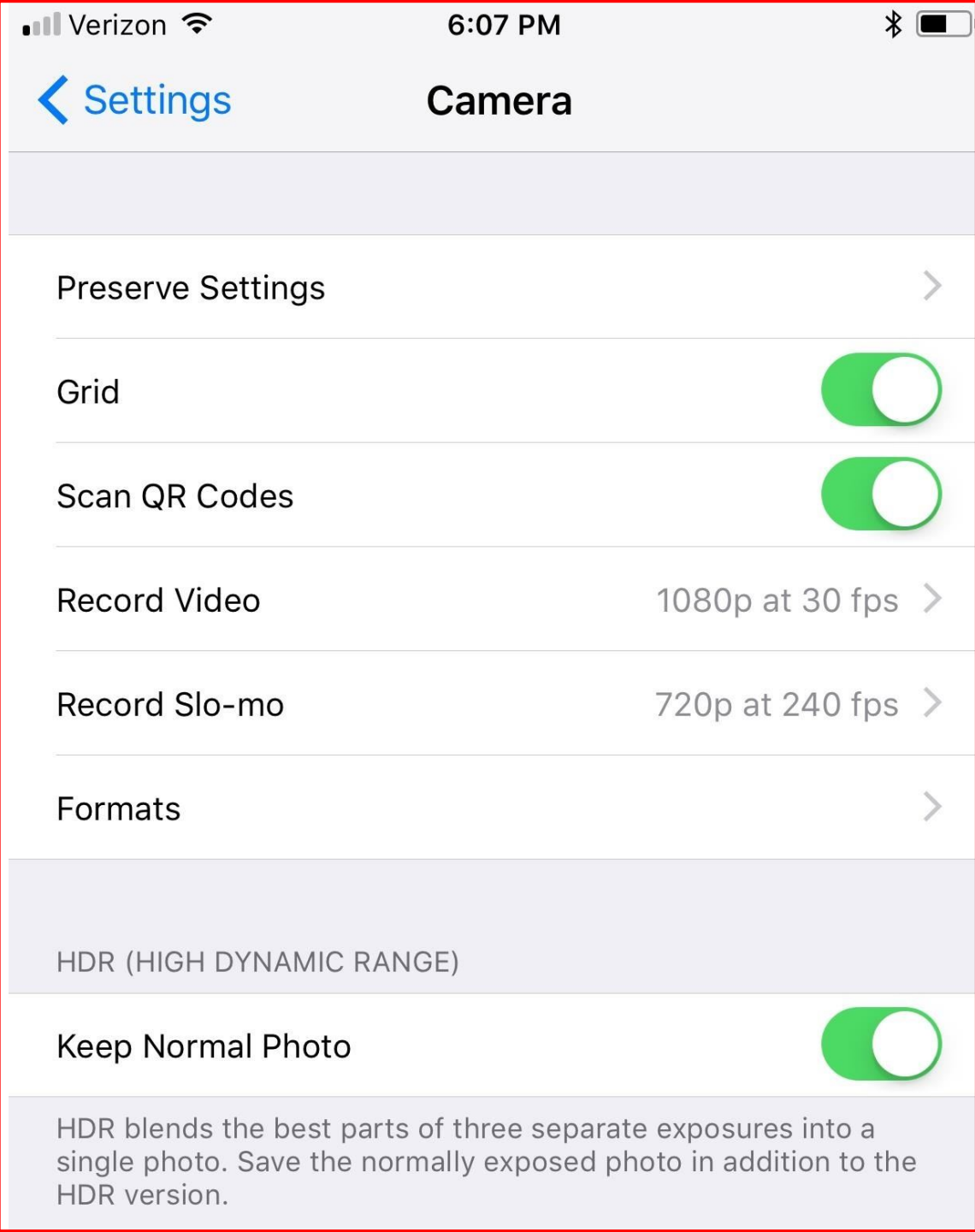
- Save notes, and other files as PDFs for easy sharing,
- Also insert notes, draw shapes, and highlight text in the PDF files before you save them.
- It's similar to screenshot editing feature:
 - it's bundled into a new Share Sheets entry that makes it easy to save almost any file.
- Go to this web site to find out how.
- <https://ios.gadgethacks.com/how-to/quickly-save-markup-pdfs-notes-webpages-more-ios-11-0178107/>

Siri

- Siri voice is more natural and expressive.
- Translate English words and phrases into other languages.
- Siri suggestions based on usage of Safari, News, Mail, and iMessages.
 - Siri snoops into App behavior.
- Works with notes apps to create to-do lists, notes and reminders.
- Works with banking apps for account transfer and balances.
- Works with apps that display QR codes.

Camera

- Portrait mode supports optical image stabilization,
 - HDR -
 - True Tone flash
- Photos & videos take up less space with formats.
- Redesigned set of nine filters for natural skin tones.
- Automatically identify and scan QR codes.



iPad Features -1

- Dock provides quick access to:
 - Favorite Apps,
 - recently used Apps,
 - shown on top of active apps at bottom of screen.
- Dock resizes so you can add all of your favorite apps.
- Recently used apps are available on the right side.
- Enhanced Slide Over and Split View.
- Apps can be easily started in Slide Over and Split View from the Dock.
- Slide Over and background apps now run simultaneously.
- Apps in Slide Over & Split View can be placed on the side of the screen.

iPad Features - 2

- **Drag and drop**
- Move text, images, and files between apps on iPad.
- Multi-Touch to move multiple items at the same time.
- **Markup**
- Markup works across documents:
 - PDFs,
 - webpages,
 - photos, etc.
- Create a PDF & markup anything that can be printed.

iPad Features - 3

- **Notes App.**
- Search handwritten text.
- Document **scanner** autocorrects for:
 - Skewing,
 - image filters to remove shadows.
- Improved:
 - Text Formatting and Tables, lines and grids, handwriting, pinned notes, instant notes.

iPad Features - 4

- **Files App - new**
- Files app to browse, search and organize files.
- Works Notes and other apps.
- 'Recents' view - quick access to recently used files across:
 - all apps,
 - all cloud services.
- 'Browse' – brings up list of:
 - Files Storage Locations (i.e. iCloud Drive, Drive, Dropbox, etc.)
- Create folders and sort files by name, date, size and tags.

iPad Features - 5

- **QuickType**
- Key Flicks - regular keyboard overlaid with;
 - numbers and symbols on each letter.
- Flick down on letter keys to enter:
 - numbers,
 - Symbols,
 - punctuation marks.
- To access those symbols on the key:
 - press down on the key and slide your finger down.
 - the key will change from its stock symbol to the new one.


iOS 11 Power Drain?

- How to improve iPhone battery life
- One downside iOS 11 is decreased battery life.
- The best ways to improve battery life on your device.

1. Understand your battery usage

- Settings → Battery
 - to check out the details of battery usage.
- Last 24 Hours - the default what apps are using the most energy.
 - Tapping the small clock icon on the right hand side gives:
 - a detailed breakdown of how much time was spent on;
 - on Screen,
 - in the background,
 - for each app.
- Look at battery life suggestions just above battery usage.
 - This will give you quick, actionable ways to reduce battery drain.

2. Low Power Mode

- **Low Power Mode** isn't new .
- The feature works by suspending:
 - mail fetch, do not use 'Push'
 - background app refresh,
 - auto downloads, and more.
- Turn on Low Power mode under:
 - Control Center → Customize Controls
 - Tap the  sign next to Low Power Mode.

Questions

Jere Minich, Program Chair
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- For Copies of this Power Point:
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Questions

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