# Tru-D HMI Release Notes

### 1.9.3D

* Demo only release includes Device Configurator page.
* Restored the Raw A/D page

### 1.9.3

* Added setting for Lamp Cover Warning
* Recognizes Lamp Cover warning as a cycle stop type.

### 1.9.2

* Build for IOS 9

### 1.9.1

* Automatically disables Lamp Cover Warning prior to running

### 1.9

* Demo Version – a special cut where cycles ran only 3 minutes and ignored lamp cover warnings

### 1.8

* Added Session Data storage system. The past year of session Data is now stored on the IPad. A new button has been added to the Tru-D Diagnostics page that allows the user to upload the complete history, if it is deemed necessary.
* Current Session Data is now stored in non-volatile memory. This is to fix a bug where, if for some reason the HMI application was terminated during a session and restarted, the session data would be lost causing problems on the server resulting in data loss.
* Slowed down the talking speed of voice prompts to accommodate IOS 8 change in voice speed.
* The Activity Log Page now exclude any hard dosage data
* The Activity Log Page now shows the last 10 sessions regardless of whether or not they have been uploaded.
* The Activity Log Page now shows the upload date of a session

### 1.7.1

* Added skip of automatic upload in debug mode.
* Fixed crashing that sometime happened when logging activity (this mostly happened when debug logging was turned on).

### 1.7

* Changed Bacteria dosage to 10000
* Changed Spore dosage to 20000
* Changed title on Home screen from “Tru-D HMI” to “iTru-D Controller”.
* Removed Status button from home screen.
* In Debug mode, on the Home screen, the status label next to the status indicator becomes a link to the status page, otherwise the status page is inaccessible.
* Added pop up notification to the Home screen to let the user know if there is any session data that has not yet been uploaded.
* On the Home Screen, changed “Wi-Fi Network:” to “Device Connected To:”.
* Changed manual upload to upload debug data only if debugging is enabled.
* Move volume adjustment from its own screen to the Settings screen.
* Made volume adjustment instantaneous rather than waiting for user to hit a confirm button.
* Changed “Administrator Settings” screen to be the “Tru-D Diagnostics” screen.
* Move the voltage selection from the Settings page to the Tru-D Diagnostics screen and updated relevant Help text.
* Removed the “Sensor” button from the Tru-D Diagnostics screen as well as the Sensor screen from the application.
* Removed cycle type dosage settings from the Tru-D Diagnostics screen.
* Removed “Reset Runtime” button from the Tru-D Diagnostics screen.
* Removed the Disinfection Mode select screen and transferred selection to Checklist screen.
* Removed Department entry from Checklist Screen.
* Removed “Unknown” option from Isolation Discharge selector.
* Changed Disinfecting screen to automatically start session rather than waiting for user to hit “Start” button.
* Removed Current display from Disinfecting screen.
* Removed target Dose display from the display from Disinfecting screen.
* Removed reference to “Start” button and Dosage from Disinfecting screen Help text.
* Fixed bug in the Disinfecting screen where returning from the Help text would cause a garbling of the voice prompts during the session countdown.
* Moved sensors so that the 12:00 position started with sensor 1 on the Intensity graph in the Disinfecting Screen.
* Changed the time remaining message on the Disinfecting screen from “Stabalizing” to “Calibrating” during the first minute of the cycle (down from two minutes).
* Fixed a bug in the countdown voice prompts were updates from the device might cause the voice to count too fast.
* Fixed a bug at the end of a cycle where the “Uploading” message might get stuck on the screen.

### 1.7 Beta

* Added automatic synching - at the end of each session, the app will attempt to upload session data via the cellular network
* Added Voice Prompts – a Siri like voice to enhance the user experience
* Logging Changes – if the debug mode is off, almost nothing is logged except for cycle info. This is to help prevent upload errors where logs were full of non-cycle data
* The “Clear” button has been removed from the log review (unless debug mode is on).
* Department – The user now can enter the department for a Cycle, also the user can select from the last 15 departments entered (the same as they’ve been able to do with technician names).
* Isolation discharge – the user can now select whether or not the machine is being run for an isolation discharge.
* The accelerated cycle has been removed.
* The continuous cycle no longer requires the administrator password.
* The limit of selectable technicians has been increased from 9 to 15.

### 1.6

* Added the ability to resume a session that was abnormally stopped for any reason
* Increased the number of last users in the user name selection from five to nine
* Made changes to fix an issue where the session would continue for several seconds after the counter hit zero.
* Changed the upload prompt from “Please make sure that this IPad is on a Wi-Fi network that has internet connectivity” to “Transmit session data at this time?”  - This is to accommodate the cellular iPads that don’t need the Wi-Fi.
* Added a session identifier to the upload data that will allow us to tie together multiple sessions that were created due to stop-and-resumes.
* Added the session type to the upload data to aid in reporting.
* Changed the intensities in the upload to reflect the peak intensity of a session rather than the last reported intensity (which would often be low as the machine would be powering down the lamps when the final reading was taken).

### 1.5

* Added support for low battery on door sensor from device
* Added checksum to message handling system

### 1.4

* Update to newer IOS profile.

### 1.3

* Changes to make communication very tenacious. The HMI will retransmit a request to the device up to 5 times. If no response comes after that many attempts, the HMI will log the error, but continue on in the communication cycle. It never gives up on the device or reports a failure.

### 1.2

* Added communication changes to attempt retransmits should a response not come from the device within a configurable time (default is 1 second).

### 1.1

* Added intensity chart to Disinfecting screen.