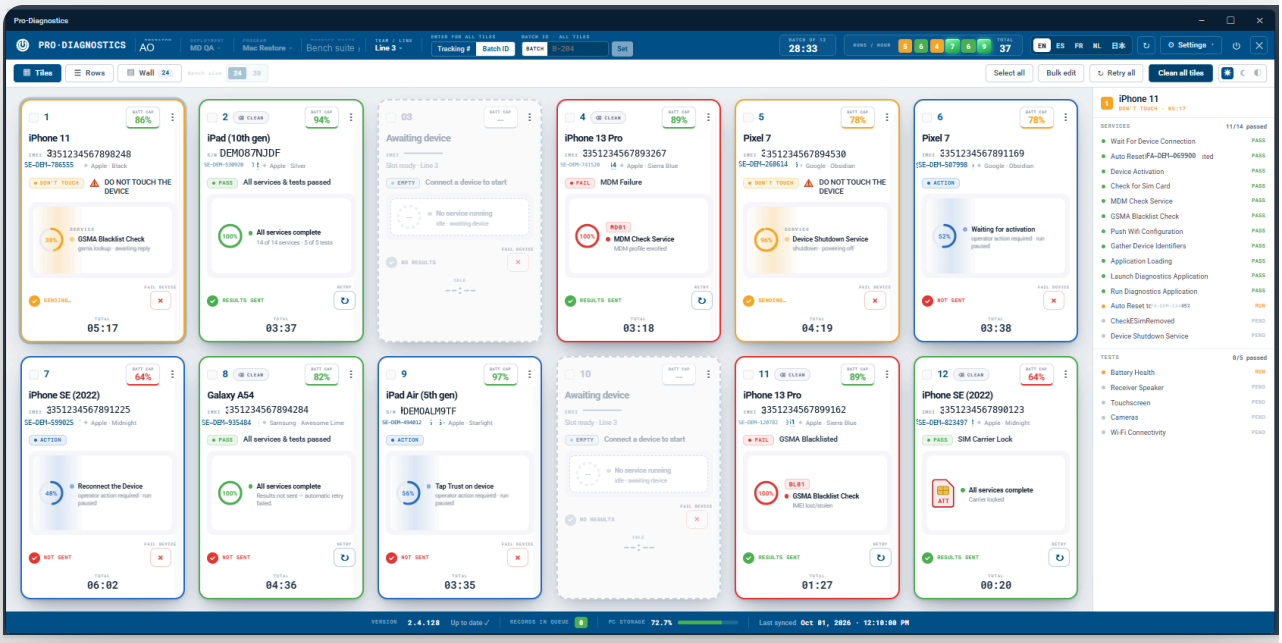
PRO-DIAGNOSTIC DESKTOP

Several devices on one bench, each with its own record.

Multi-device iOS and Android diagnostics at the bench, on a Windows station or a Mac. 133 Android tests, 83 on iOS, erasure certified to ADISA assurance level 4, and a certificate anyone can look up.



AUDIENCE

Operations, IT & compliance leads at device processors

TESTS · RUNS ON

iOS · Android · Windows · macOS

WEB

assetscience.com

AT A GLANCE

The eight questions every buyer asks, answered on one page.

Pro-Diagnostic Desktop (PDD) is the station app an operator stands in front of. Several devices on one bench at once, each running its own suite, each reporting to the same Control Center.

CERTIFICATE

● Yes

One certificate per device: PDF download, a public web page anyone can open by IMEI, serial, MEID or GUID at verified.assetscience.com, and batch PDF or CSV export.

ADISA CERTIFIED

● AAL 4

Pro-Diagnostics is **certified to ADISA assurance level 4**, independently tested by the ADISA Research Centre under its Product Claims Test.

TYPE OF WIPE

● NIST 800-88

Content clearing on iOS and Android, **Express Connect** for Android 16+ with no USB debugging, and **smartphone flashing**. NIST 800-88 compliant; the method is named on the report.

GUIDED USER TESTING

● Yes

Guided tests appear on the device **one screen at a time, in a fixed order**, with the instruction on screen. Tests measure what they can and show the reading before asking for a verdict.

TYPE OF TESTS

● 133 · 83

133 Android tests, 83 iOS tests across audio, battery, buttons, camera, connectivity, display, sensors and system, plus lock and fraud detection on every run.

MAIN FEATURES

● 4

Multi-device simultaneous testing on one station · **tiles, rows and wall** views of the bench · **lock and fraud detection** during the run · **certified erasure** with a public certificate.

PLATFORMS SUPPORTED

● iOS · Android

Tests **iOS and Android**: 7,000+ Android models, 90 iOS models across 4,500 variants. Runs on a **Windows or macOS** station with the same suite either way. USB-C, Lightning and Micro-USB.

DATA ANALYTICS AND API

● REST

Every run lands in Control Center: **per-unit history, operator audits, UPH dashboards**. Records are available through the **Back-Office REST API** and as CSV or Excel export, with scheduled reports.

133
Android tests
83 on iOS

7,000+
Android models
90 iOS models · 4,500 variants

7
Operator languages
EN · ES · FR · DE · IT · JA · NL

AAL 4
ADISA assurance level
Product Claims Test

What we do not do. We report locks; we do not remove or bypass them. A locked device is recorded as locked, with the lock named on its card, and routed by your workflow.

WHAT IT DOES

A device is plugged in, identified, and put through the suite its program calls for.

Automatic tests run with no operator action. Guided tests are handed to the operator one screen at a time, in a fixed order, with the instruction on screen. The result is one record per device, sent to Control Center and available as a certificate.

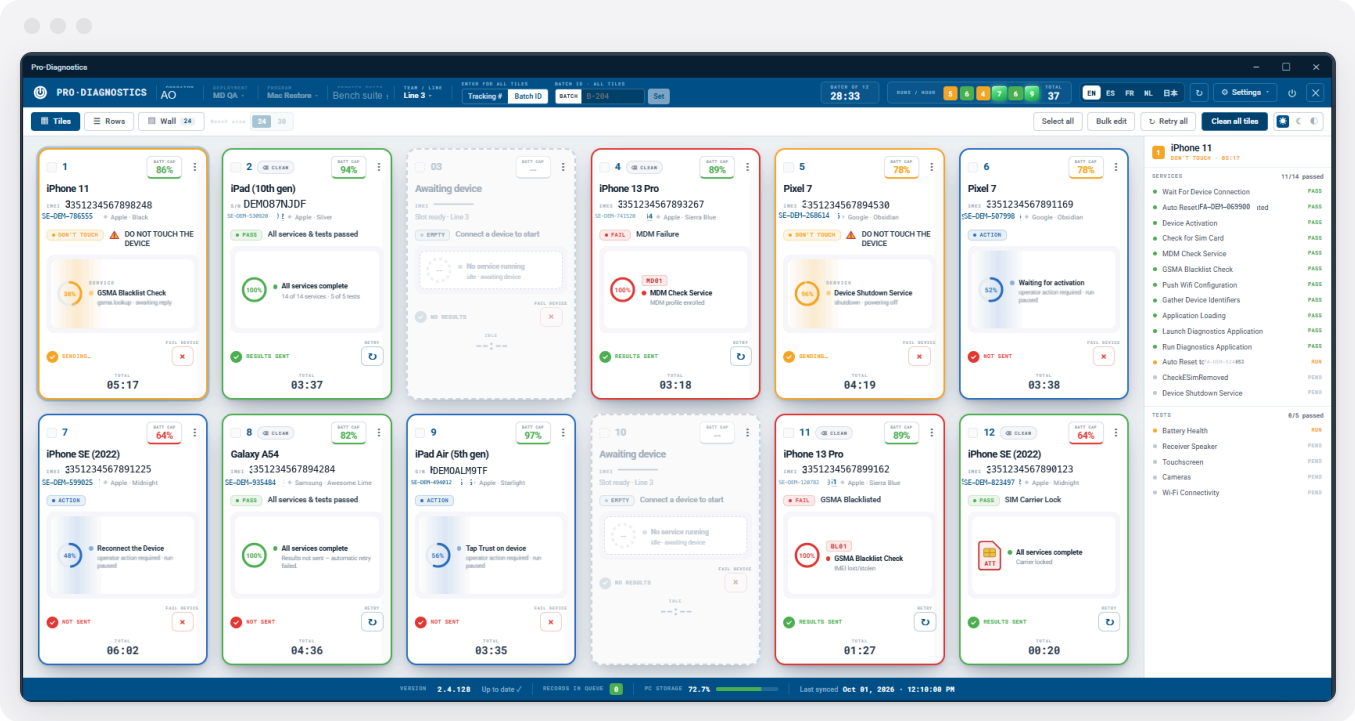


FIG. 1 Pro-Diagnostics Desktop → Tiles. Twelve slots on one station. Each card carries its own device, service state, battery capacity and timer; the rail on the right lists every service and test running on the selected unit. Identifiers shown are synthetic.

The desktop app is the floor's working surface: **every connected device as a card**, every service it is running, what it is waiting on, and how long it has been there. A failure names its own service and reason on the card rather than in a log, so the operator reads "GSMA Blacklisted · IMEI lost/stolen" on the slot, not a code to look up.

Where a test can be done by the machine, it is. Battery health, storage, OS version, carrier, lock state and SIM detection are read without touching the device. The operator is only interrupted when a guided test needs a hand, and the card says so.

- **Several devices at once** on one station, each in its own slot with its own program.
- **Per-slot service state**, battery capacity and elapsed time on every card.
- **Bulk edit, retry all and clean all** across the whole bench.
- **Batch and tracking identifiers** applied to every slot at once.
- **A failure names its service and reason** on the card.
- **Seven operator languages**: EN · ES · FR · DE · IT · JA · NL.

THE STATION

Three views of the same bench, on Windows or on a Mac.

Tiles for detail, rows for density, the wall for triage. The station runs on either host, and it is the same product on both.

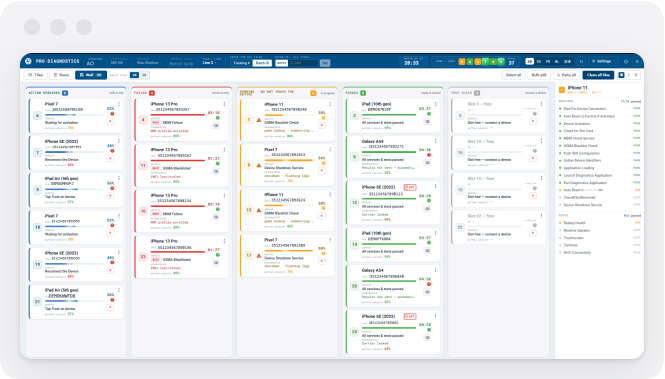


FIG. 2 Pro-Diagnostics Desktop → Wall. The bench sorted by what needs a human next: action required, failed, running, passed, free. A supervisor walks to the right slot instead of scanning every tile.

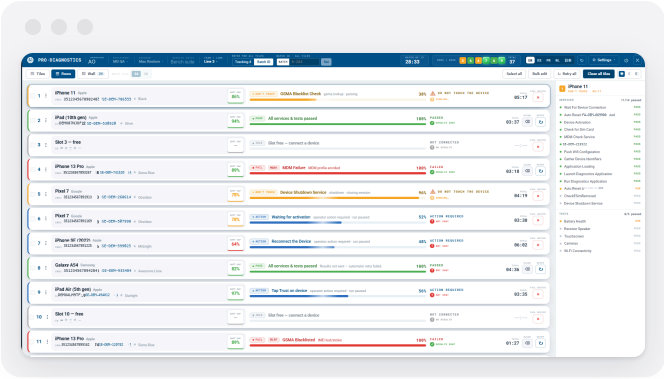


FIG. 3 Pro-Diagnostics Desktop → Rows. The same run compressed to one line per slot, with the current service and its progress on each.

Windows or Mac, same bench.

A mixed floor stays on one set of numbers. Because the suite, the fail codes and the record format are identical on both hosts, device history does not fork by operating system, and a floor that already runs Macs does not have to buy Windows machines to run diagnostics.

- **Same test suite** on Windows and macOS.
- **Same Control Center programs**, fail codes and reporting.
- **Same record format**, so history does not fork by host.
- **Workflow Manager** runs the full process on one station or splits it across several; combined sessions deliver a single-page result.

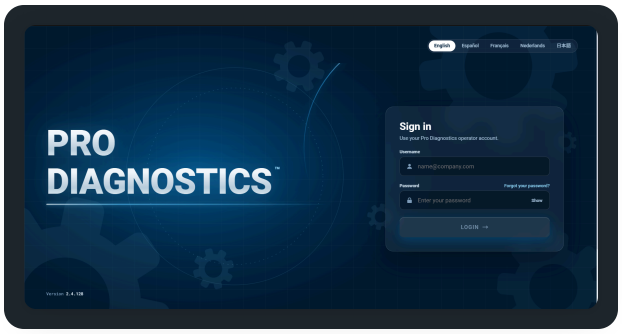


FIG. 4 Pro-Diagnostics Desktop → Sign in. The station signs in against your Control Center tenant; the operator picks their language at the door.

One slot, one device, four steps.

1. **Connect**
   Identified by IMEI or serial; program set by the station's script.
2. **Test**
   Automatic first, no touch. Guided second, one screen at a time.
3. **Erase**
   Method chosen per device and named on the report.
4. **Certify**
   One record in Control Center, a PDF, a public lookup.

GUIDED AND AUTOMATIC TESTING

Guided tests that measure, not guided tests that ask.

A guided test that only asks the operator whether something worked is an opinion with extra steps. These report what they observed: depth readings, button counters, signal values. The operator confirms against evidence rather than memory.

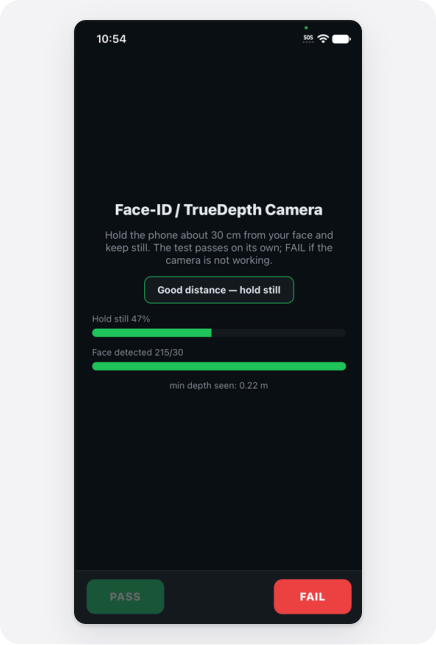


FIG. 5 On-device → Face ID. Hold-still percentage, frames detected and minimum depth are reported before anyone is asked to judge. The test passes on its own.

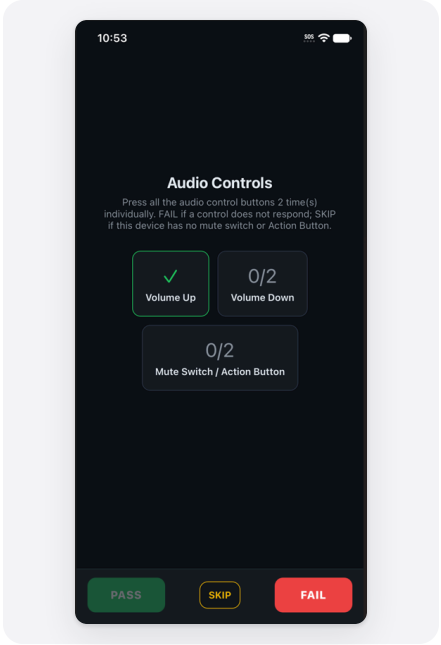


FIG. 6 On-device → Audio controls. Per-button counters, and a Skip button: a device without a mute switch is skipped, not failed.

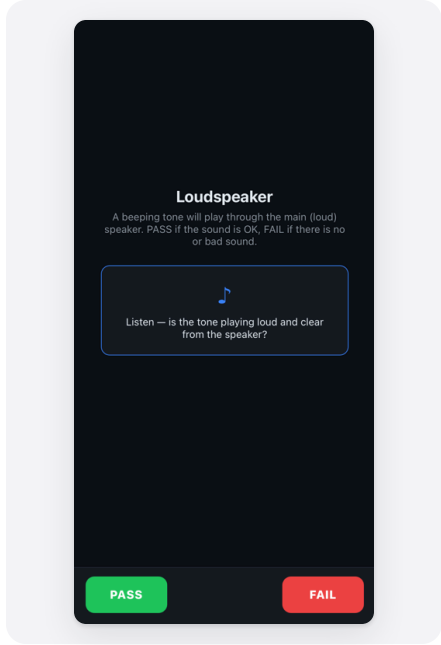


FIG. 7 On-device → Loudspeaker. One instruction per screen. Nothing to interpret, nothing to remember.

ZERO-TOUCH · READ FROM THE STATION

- Battery Health
- Battery Level
- iCloud Lock Check
- Internal Storage
- Root/Jailbreak Check
- OS Version
- Carrier Name
- Bluetooth LE
- SIM Card Detection
- Wi-Fi Connectivity
- Vibration (Loopback)
- Microphone (Loopback)

AUTOMATED · NO OPERATOR ACTION

- Vibration
- SD Card Presence
- Bluetooth
- Wi-Fi
- USB Connection
- Root/Jailbreak
- Microphones
- Speakers
- Cameras (iOS)
- Video Recording
- Face ID
- Gyroscope/Accelerometer

- **Hardware a device does not have is skipped**, never failed.
- **A fail opens the fail-code picker**, so the reason travels with the record.
- **Operator overrides are recorded as overrides**, not as passes.

TEST CATALOGUE · IOS

83 tests on iOS.

The published catalogue, by category. The 66 tests named below are the ones the catalogue lists; the full iOS suite counts 83.

⚡ Automatic — runs with no operator action Guided — one screen at a time on the device

Audio · 13 tests

Headset · Headset Plug/Unplug · Headset Record · Headset Stereo Sound · Headset Volume Buttons · ⚡ Loopback Vibration · Loud Speaker · Receiver Speaker · ⚡ Main Microphone (Loop Selftest & Recording) · ⚡ Secondary Microphone (Loop Selftest & Recording) · Stereo Loud Speaker · ⚡ Tertiary Microphone (Loopback & Recording) · Media Button

Battery & Power · 2 tests

Battery Charging Circuit · Wireless Charge

Buttons & Controls · 9 tests

Audio Control · Home Button · Mute Switch · Power Button · Power + Home Button · Power + Volume Up · Side Switch · Volume Down · Volume Up

Camera · 12 tests

Back Camera · Back Camera Flash · Back Camera Telephoto · Back Camera Ultra Wide Angle · Back Camera Wide Angle · Flash LED · Front Camera · Second Back Camera · Third Back Camera · True Depth Camera · Video Output · ⚡ Video Recording

Connectivity · 8 tests

⚡ Bluetooth LE · Cell Signal Strength · ⚡ Bluetooth Connectivity · GPS · NFC · Phone Call · USB Plug/Unplug/Wiggle · ⚡ Wi-Fi Connectivity

Screen & Display · 3 tests

Backlight · Display · Touchscreen

Sensors · 10 tests

⚡ Accelerometer · ⚡ Face ID · ⚡ Gyroscope · Magnetometer · Motion Sensors · Proximity Sensor · Smart Cover · Touch ID · ⚡ Vibration · Autorotation

System · 9 tests

⚡ Carrier Name/Selection · Find My iPhone · ⚡ iCloud · IMEI Test · ⚡ Internal Storage · ⚡ OS Version · ⚡ Root Check · ⚡ SIM Card · Storage Capacity

Coverage. 90 iOS models across 4,500 variants. A test a model cannot run is skipped on that model and recorded as skipped, never as a fail. Per-model inclusion and exclusion is set per test in Control Center.

TEST CATALOGUE · ANDROID

133 tests on Android.

The published catalogue, by category. The 103 tests named below are the ones the catalogue lists; the full Android suite counts 133.

Audio · 14 tests

Headset · Headset Mono/Stereo Sound · Headset Plug/Unplug · Headset Record · Headset Volume Buttons · ⚡ Loopback Vibration · Loud Speaker · Receiver Speaker · ⚡ Main Microphone (Loop Selftest, Loopback & Recording) · ⚡ Secondary Microphone (Loop Selftest, Loopback & Recording) · Stereo Loud Speaker · ⚡ Tertiary Microphone (Loop Selftest, Loopback & Recording) · Voice Recognition · Media Button

Battery & Power · 5 tests

Battery Charging Circuit · ⚡ Battery Health · ⚡ Battery Level · Removable Battery Health · Wireless Charge

Buttons & Controls · 23 tests

Active Button · Audio Control · Back Button · Bixby Button · Camera Button · Custom Button · Focus Button · Force Touch Home Button · Home Button · Keyboard Open/Close/Buttons · Menu Button · Menu Button Long · Mute Button · Power Button · Power Button + LED · Quick Button · Quick Clip Button · Search Button · Soft Key Backlight · Speaker Button · Task Manager Button · Volume Down · Volume Up

Camera · 9 tests

Back Camera · Back Camera Flash · Custom Camera · Flash LED · Front Camera · Second Back Camera · Second Front Camera · Third Back Camera · ⚡ Video Recording

Connectivity · 10 tests

⚡ Bluetooth Connectivity · MHL Unplug · NFC · NFC Jig · NFC Off · NFC Passive · Phone Call · USB Plug/Unplug/Wiggle · USB OTG · ⚡ Wi-Fi Scanner

Miscellaneous · 9 tests

Back LED · Back LED Ring · Hall Sensor · Infrared Emitter · LED · MHL · Remove Back Cover · S Pen (Button, Hover, Insert, Painting, Remove) · Multitouch

Screen & Display · 5 tests

Backlight · Display · Edge Screen Painting · LCD Hover · Touchscreen

Sensors · 18 tests

⚡ Accelerometer · Accelerometer Magnetometer · Active Edge Sensor · ⚡ Face ID · Fingerprint Reader · Gesture Sensor · Grip Sensor · ⚡ Gyroscope · Heart Rate Monitor · Iris Scanner · Light Sensor · Magnetometer · Motion Sensors · Proximity Sensor · Relative Humidity Sensor · Temperature Sensor · UV Sensor · ⚡ Vibration

System · 10 tests

⚡ Carrier Selection · Device Protection · Display Mobile Identifier · Find My Mobile · ⚡ Internal Storage · ⚡ OS Version · ⚡ Root Check · SD Card (Insert/Remove) · ⚡ SIM Card · Storage Capacity

Coverage. 7,000+ Android models. Express Connect clears Android 16+ devices with no USB debugging required, so the erase step does not depend on a developer setting the operator has to find.

LOCK AND FRAUD DETECTION

Checked during the run, not as a separate pass. Reported, never bypassed.

Apple ID and Find My, GSMA Lost & Stolen, FRP, passcode and lock-screen detection, fake-device detection and non-OEM replacement parts. We report what we find. We do not remove or bypass locks.

DETECTION	WHAT IS REPORTED	STATUS
Apple ID lock · Find My (FMIP / FMAP)	Activation lock and Find My state on iOS, read during identification and shown on the card.	Reported
GSMA Lost & Stolen	IMEI checked against the GSMA blacklist; a hit fails the slot with "IMEI lost/stolen" named on it.	Reported
FRP · Device Protection	Android factory-reset protection and device-protection state.	Reported
Passcode · lock screen	Whether a passcode or lock screen is set before the erase step is reached.	Reported
Fake device · non-OEM parts	Fake-device detection and non-OEM replacement parts identification.	Reported
Root · SIM · SD · eSIM · battery	Root or jailbreak state, card and eSIM presence and battery health, read automatically.	Reported
Lock removal or bypass	Not offered. A locked device is recorded as locked and routed by your workflow.	Not done

ERASURE

Erasure certified to ADISA assurance level 4, NIST 800-88 compliant.

Independently tested by the ADISA Research Centre under its Product Claims Test. The method used is named on every report and certificate, and verification, diagnostics and erasing run in one session on one slot.

METHOD	APPLIES TO	HOW IT WORKS	STANDARD
Content clearing	`iOS · Android`	Encryption type identified, then data removed by the method that fits the device. Factory reset confirmed by re-identification.	NIST 800-88
Express Connect	`Android 16+`	No USB debugging required; cleared from the station without a developer setting.	NIST 800-88
Smartphone flashing	`iOS · Android`	Firmware rewritten; the device returns in a known state.	NIST 800-88
Accelerator module	`iOS · Android`	Data verification and Smart Clear on the same bench.	Verified

CERTIFICATION AND CONTROL CENTER

The evidence leaves your building.

Every device you process can be looked up on a public page by IMEI, serial, MEID or GUID, with no account and no sign-in. Inside Control Center, the same evidence sits on the device's own history.

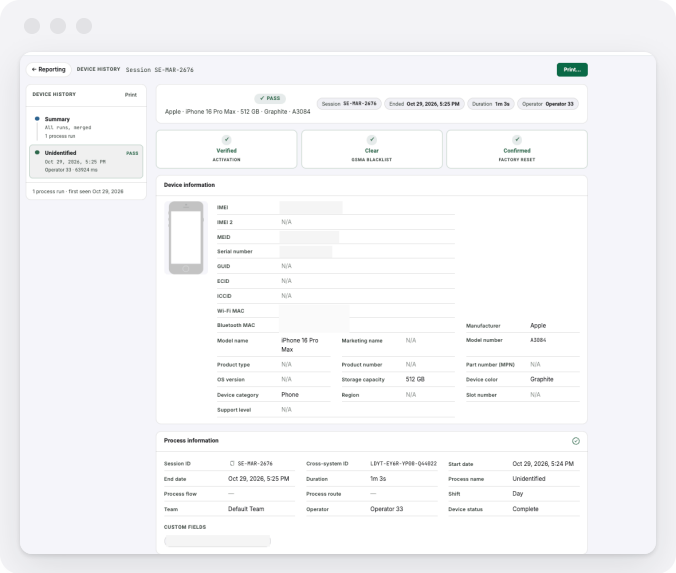


FIG. 8 Control Center → Device History. Activation verified, GSMA clear and factory reset confirmed as tiles on the record, with the identifier block and process information beneath.

The certificate.

- **Public lookup** by IMEI, serial, MEID or GUID at verified.assetscience.com/verify.
- **Shareable link and PDF**; a QR code on the label resolves to the same certificate.
- **What it shows**: clearing method, ADISA assurance level, GSMA blacklist and factory-reset status, diagnostic results, battery health.
- **Batch** CSV export and batch PDF certificates; bulk lookup from a CSV of up to 30,000 identifiers.
- **You decide what is public.** Search results, certificate links and PDF download are three separate switches per customer account.
- **Not Found** is the answer for a device nobody processed, not a reassuring blank.

CONTROL CENTER

Defined once, followed by every station.

Programs, test suites per platform, fail codes, SKUs, custom fields and facilities are set in Control Center. The station signs in to the tenant and runs what it is told. No proprietary hardware is required.

ANALYTICS

Per-unit history, operator audits, UPH.

Explore is a live grid of process runs you can filter, chart and export. Device History is the full life of one unit. Hourly UPH with shift bands, day-over-day comparison, retry rates and fail drill-downs.

API AND EXPORT

Getting data in and out without asking us.

Uniform REST endpoints with keys scoped to a tenant, a facility or a deployment. CSV and Excel export, 47 selectable columns, scheduled reports weekly or monthly. GSMA Device Check with a free test mode.

ONE RECORD PER DEVICE

Test results, lock state and the erase land on the same record.

Every run on a PDD station is one visit in the device's history, and the published certificate is the authoritative record.

IN ONE SENTENCE

Several devices on one bench, each with its own suite, its own record and its own certificate.

133 Android tests and 83 on iOS. Erasure certified to ADISA assurance level 4. Locks reported, never bypassed. Runs on a Windows station or a Mac, against the Control Center you already configure.

See it on your own devices.

Start a free trial and run the suite on a station in your facility. Windows or Mac, your devices, your programs. No proprietary hardware required.

FREE TRIAL
onboarding.assetscience.com/onboarding/account

PUBLIC CERTIFICATES
verified.assetscience.com/verify

WEB
assetscience.com

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