Acceptance Tests Checklist

Commissioning gates + pass/fail criteria before go-live

Go-live requires evidence, not assumptions.

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1. How to Use This Checklist

Intent

This checklist defines **commissioning gates** that must be satisfied before go-live. Each gate has:

- a clear **pass/fail** criterion,
- the **evidence artifact(s)** required to evaluate it,
- and a **sign-off** line for accountability.

Rule

No "looks good." If the criterion cannot be evaluated with evidence artifacts, the gate is not passed.

2. Commissioning Preconditions

2.1 Minimum prerequisites (must be true before testing)

Precondition	Description	Owner	Status
P-01	Site access, safety, and mapping path approved	*[Name]*	☐
P-02	Sensors/rig installed; stable power/network (if used)	*[Name]*	☐
P-03	Reference points identified (wall sensor, canopy reference, etc.)	*[Name]*	☐
P-04	Change log process agreed (what changed + timestamp)	*[Name]*	☐
P-05	Test windows agreed (lights/irrigation/dehu cycles)	*[Name]*	☐

3. Acceptance Gates (Pass/Fail)

3.1 Gate summary

Definition
A gate is passed only when (1) the pass criterion is met and (2) the supporting evidence artifacts are attached or referenced.

3.2 Gate checklist (copy/paste friendly)

Gate	Pass criterion	Evidence required	Pass
G-01: Same-clock validity	Streams used for comparisons are verified aligned (or corrected) within tolerance *[X ms / X s]*	Co-timing report / alignment receipt *[artifact ref]*	☐
G-02: Protocol repeatability	Mapping protocol yields consistent results across *[N]* runs under comparable conditions	Repeatability summary + variance report *[artifact ref]*	☐
G-03: Pocket reduction (primary)	No repeatable pocket signature in agreed window(s) OR magnitude reduced below threshold *[define]*	Before/after pocket maps + delta maps + cycle overlays *[artifact ref]*	☐
G-04: Recovery time	Pocket RH/VPD recovers within *[Y min]* after dehumidification / HVAC event during window(s)	Time-series overlays at pocket coordinates + event markers *[artifact ref]*	☐
G-05: Zone stability	Zone-to-zone variance stays below *[Z]* for *[N of M]* cycles	Spatial variance report + repeatability score *[artifact ref]*	☐
G-06: Intervention traceability	All interventions are logged with timestamp, location, settings, and intent; no "silent changes"	Change log + photo/diagram if applicable *[artifact ref]*	☐
G-07: Operator readiness	Operator checklist exists; required setpoints/modes documented; escalation triggers defined	Operator SOP + trigger thresholds + escalation path *[artifact ref]*	☐

4. Standard Evidence Artifacts

4.1 Artifact list (what "proof" looks like)

Artifact	What it contains
A-01: Pocket map(s)	Canopy-height heatmaps for RH/Temp/VPD; pocket IDs; coordinate system
A-02: Delta proof	Before/after deltas; pocket vs reference; highlights "hidden" differences
A-03: Cycle overlays	Time-series aligned to lights/irrigation/dehu events; pocket signature visibility
A-04: Co-timing receipt	Clock alignment checks/corrections; tolerance and residuals
A-05: Repeatability report	Run-to-run variance; confidence band; what changed between runs
A-06: Change log	Intervention list with timestamps, settings, placements, intent, and owner
A-07: Operator pack	Operator checklist, setpoints by zone, triggers, escalation path

5. Go-Live Decision

5.1 Decision record

Decision

Go-live status: ☐ Approved ☐ Conditionally approved ☐ Not approved

Conditions (if any): *[e.g., complete Gate G-05; re-run verification after change X]*

Evidence bundle reference: *[Folder / link / artifact IDs]*

Client sign-off	**HermodLabs sign-off**
Name / Title / Date	*Name / Title / Date*

6. Appendix (Optional)

6.1 Threshold worksheet (fill-in)

Metric	Threshold	Rationale / notes
Clock alignment tolerance	*[X ms]*	*[Why this is sufficient]*
Pocket magnitude threshold	*[X RH / X VPD]*	*[Risk mapping / historical loss]*
Recovery time threshold	*[Y min]*	*[Cycle constraints]*
Zone variance threshold	*[Z]*	*[Operational stability requirement]*

6.2 Change log (optional excerpt)

Timestamp	Change	Owner / notes
[YYYY-MM-DD HH:MM]	*[e.g., moved dehumidifier 2m east; set fan to 70%]*	*[Name]*

