

VERIFAB

Producer Accreditation Assessment

Evaluation to qualify a manufacturer / print site as an accredited production node. One assessment per site.

Scoring: 3 = fully met · 2 = minor gap · 1 = major gap · 0 = not met · NA = not applicable.

• = critical (knock-out) criterion: a score below 2 here blocks accreditation until resolved, regardless of the total.

0. Assessment control

Assessment No.		Date(s) of assessment	
Assessment type	☐ Initial ☐ Surveillance ☐ Renewal	Mode	☐ On-site ☐ Remote ☐ Hybrid
Lead assessor		Template version	v1.0 / 2026-06

1. Producer identification

Producer / legal entity name			
Trading name		Country	
Site address			
Primary contact		Role	
Email		Phone	
Website		Years in operation	
Producer type	☐ 3D-printing company ☐ Makerspace / fab lab ☐ Hospital / in-house ☐ Other		
Accreditation scope requested (item-classes / printers / materials)			

2. Administrative, legal & insurance

Criterion & acceptable standard	C	Score	Evidence / finding
Business registration valid & current <i>Registration verified against the official registry; certificate on file; entity in good standing.</i>	•		
Legal form & ownership documented <i>Entity type and beneficial-ownership structure disclosed and recorded.</i>			
Tax / VAT registration & compliance <i>Tax ID provided; no known material tax default.</i>			
Required permits & licences held <i>Operating permits/licences valid for the activity and premises.</i>			
Liability / product-liability insurance <i>Adequate cover in force for the work; certificate on file.</i>	•		
No disqualifying litigation or insolvency <i>No bankruptcy or litigation that impairs ability to operate or deliver.</i>			
Data-protection & confidentiality <i>Customer and design data handled lawfully; able to keep designs confidential.</i>			
Willing to sign accreditation agreement & NDA <i>Accepts terms, audit rights, and manufacturer-of-record terms where applicable.</i>	•		

3. Reputational & integrity due diligence

Important distinction: operating IN a fragile or conflict setting is a risk to manage, not a disqualifier (many legitimate humanitarian producers do). ATTACHMENT to armed or illegitimate actors is a knock-out.

Criterion & acceptable standard	C	Score	Evidence / finding
No affiliation with armed groups or militias <i>No ownership, control, funding, or operational ties to armed or illegitimate actors.</i>	•		
Clear of sanctions lists <i>Entity and beneficial owners screened against UN / OFAC / EU / UK lists — no match.</i>	•		
No serious adverse media <i>No credible reports of fraud, violence, corruption, or human-rights abuse.</i>	•		
No forced or child labour <i>Labour practices compliant; no exploitation in the workforce or supply chain.</i>	•		
Government / political affiliation disclosed & assessed <i>Any state or political ownership/links disclosed; impartiality and safety not compromised.</i>			
Beneficial-ownership transparency <i>Ultimate owners identifiable; no concealment or opaque structures.</i>			
Anti-bribery & corruption stance <i>Policy or credible commitment; no corruption findings.</i>			
Export-control / dual-use awareness <i>Understands restrictions on sensitive printed items and will not misuse capability.</i>			
Conflicts of interest disclosed <i>Relationships with Verifab, competitors, or customers disclosed.</i>			
Operating-environment risk assessed (context, not a fail) <i>Fragile/conflict-zone operation noted and mitigations identified — not disqualifying absent armed-actor ties.</i>			

4. Equipment — 3D printers & tooling

Printer inventory (list all printers in scope):

Make / model	Technology	Build volume	Qty	Condition / age	Last calibration

Criterion & acceptable standard	C	Score	Evidence / finding
Printer fleet suitable for scope <i>Technology and build volume match the parts to be certified.</i>			
Equipment well-maintained <i>Maintenance records kept; printers in good working order.</i>			
Calibration in place <i>Printers calibrated; schedule followed and recorded.</i>	•		
Profile & firmware control <i>Can run and lock validated print profiles; firmware managed.</i>			
Redundancy / no single point of failure <i>At least two capable printers so one failure does not halt certified output.</i>			
Measurement & inspection tools	•		

Criterion & acceptable standard	C	Score	Evidence / finding
<i>Callipers / gauges available and calibrated for dimensional checks.</i>			
Post-processing capability <i>Support removal, cleaning, annealing/sterilisation as the part class requires.</i>			
Imaging capability for evidence <i>Camera and lighting adequate for the required-angle photos.</i>			

5. Materials & filament

Filament / material inventory:

Material / type	Brand	Certified?	Typical use	Storage

Criterion & acceptable standard	C	Score	Evidence / finding
Required materials stocked <i>Holds the specified material(s) for the scope (e.g. medical-grade PETG).</i>			
Can source approved / certified material <i>Able to procure Verifab-approved material and provide material certificates.</i>	•		
Material traceability <i>Batch / lot tracking from spool to finished part.</i>	•		
Proper material storage <i>Humidity-controlled storage; drying before use.</i>			
Documented material handling <i>Handling procedures avoid contamination and degradation.</i>			
No uncontrolled substitution <i>Will not swap materials or suppliers without approval.</i>			

6. Personnel & qualifications

Key staff:

Role	Name	Qualifications / training	Years exp.

Criterion & acceptable standard	C	Score	Evidence / finding
Qualified design / 3D engineer <i>Competent in design-for-AM, slicing, and profile setup.</i>			
Trained printer operator(s) <i>Operators trained on the equipment and the certification procedures.</i>	•		
QA / inspection competence <i>Someone competent to run the coupon, photo, and gauge checks.</i>	•		
Adequate staffing / coverage <i>Enough trained staff that loss of one person does not stop certified work.</i>			

Criterion & acceptable standard	C	Score	Evidence / finding
Training records maintained <i>Competency and training documented, with refreshers.</i>			
Communication capability <i>Able to communicate effectively with Verifab for remote validation.</i>			

7. Facility & cleanliness

Criterion & acceptable standard	C	Score	Evidence / finding
Clean, orderly workspace <i>Good housekeeping; dust and debris controlled (5S or equivalent).</i>			
Contamination control for medical parts <i>Segregated/clean area and handling that minimise contamination of medical output.</i>	•		
Environmental conditions controlled <i>Temperature and humidity suitable for printing and the material.</i>			
Adequate lighting <i>Lighting supports quality work and the required photographic evidence.</i>			
Controlled storage areas <i>Separate raw-material, finished-goods, and quarantine / non-conforming areas.</i>			
Pest control <i>No pest activity in production or storage areas.</i>			

8. Utilities & infrastructure (power, connectivity)

Power continuity matters in distributed/emerging-market settings: an outage mid-print ruins the part and can damage the printer.

Criterion & acceptable standard	C	Score	Evidence / finding
Reliable grid power <i>Outage frequency/duration acceptable for uninterrupted prints.</i>			
Backup power / UPS <i>UPS or generator protects in-progress prints and equipment during outages.</i>	•		
Power quality & protection <i>Voltage stabilisation and surge protection in place.</i>			
Internet connectivity <i>Sufficient and stable for evidence uploads and remote validation.</i>	•		
Backup connectivity <i>Fallback connection or mobile data available.</i>			

9. Workplace safety / OHS

Criterion & acceptable standard	C	Score	Evidence / finding
Ventilation / fume extraction <i>VOC and ultrafine-particle extraction where FDM or resin printing is done.</i>	•		
Fire safety <i>Extinguishers, alarms, and safe electrical installation; checked periodically.</i>			
Electrical safety <i>Wiring safe; printers on protected circuits.</i>			
PPE available & used <i>Gloves / eye protection for handling resin and post-processing.</i>			

Criterion & acceptable standard	C	Score	Evidence / finding
Safe chemical handling & storage <i>Resins and solvents stored and handled per safety data sheets.</i>			
First aid & emergency procedures <i>First-aid kit, emergency plan, and a trained person on site.</i>			
Machine safety <i>Safe operation and guarding; no unsafe modifications.</i>			
Responsible waste disposal <i>Failed prints, supports, and chemical waste disposed of responsibly.</i>			
OHS regulatory compliance <i>Meets local occupational-health-and-safety requirements.</i>			

10. Quality management & process control

Criterion & acceptable standard	C	Score	Evidence / finding
Documented procedures / SOPs <i>Written procedures for printing, inspection, and record-keeping.</i>			
Print-profile version control <i>Validated profiles locked and version-controlled.</i>	•		
Record-keeping & traceability system <i>Able to retain datasheets, serials, and evidence reliably.</i>	•		
Non-conformance handling <i>Quarantine and corrective process for failed parts.</i>			
Instrument calibration control <i>Measurement tools calibrated and recorded.</i>			
Capable of the Verifab certification workflow <i>Can execute the coupon + photo + gauge + datasheet process end-to-end.</i>	•		
Existing QMS (positive, not required) <i>ISO 9001 / 13485 or equivalent in place — a plus.</i>			

11. Production capacity & operations

Stated capacity (parts/week)		Printer-hours available / week	
Typical lead time		Capacity dedicable to Verifab	

Criterion & acceptable standard	C	Score	Evidence / finding
Sufficient capacity for expected demand <i>Capacity and lead time meet anticipated order volumes.</i>			
Operational stability <i>Consistent, ongoing operation — not ad-hoc or intermittent.</i>			
Location & logistics suitability <i>Location supports the demand it will serve.</i>			

12. Customer references & track record

Customer / organisation	Contact	Sector	Checked?	Outcome

Customer / organisation	Contact	Sector	Checked?	Outcome

Criterion & acceptable standard	C	Score	Evidence / finding
Contactable references provided <i>At least two reachable customer references supplied.</i>	•		
Positive reference outcomes <i>References confirm quality and reliability.</i>			
Relevant track record <i>Portfolio of comparable, functional, or medical parts.</i>			
Acceptable complaint / return history <i>No pattern of serious quality failures.</i>			

13. Commercial & commitment

Criterion & acceptable standard	C	Score	Evidence / finding
Accepts certification model & pricing <i>Aligned on the standard-certification model and fees.</i>			
Accepts audits & surveillance <i>Agrees to initial and periodic assessment / spot audits.</i>	•		
Accepts Open-Source Dividend & licence terms <i>Understands and accepts the give-back and licensing.</i>			
Financial viability <i>Stable enough to sustain participation.</i>			

14. Risk register / red flags

Any unresolved critical (●) finding is a red flag that blocks accreditation until closed.

Risk	Likelihood	Impact	Mitigation	Owner

15. Scoring summary

Category	Max	Achieved	%	All ● met
Administrative, legal & insurance	24			☐ Y ☐ N
Reputational & integrity	30			☐ Y ☐ N
Equipment — 3D printers & tooling	24			☐ Y ☐ N
Materials & filament	18			☐ Y ☐ N
Personnel & qualifications	18			☐ Y ☐ N
Facility & cleanliness	18			☐ Y ☐ N
Utilities & infrastructure	15			☐ Y ☐ N
Workplace safety / OHS	27			☐ Y ☐ N
Quality management & process control	21			☐ Y ☐ N

Category	Max	Achieved	%	All ● met
Capacity & operations	9			☐ Y ☐ N
Customer references	12			☐ Y ☐ N
Commercial & commitment	12			☐ Y ☐ N
TOTAL	228			☐ Y ☐ N

Recommended decision rule. All ● criteria scored ≥ 2 AND overall $\geq 80\%$ → Accredited (full). 65–79% with a remediation plan → Provisional. Below 65%, or any unresolved ● → Rejected.

16. Accreditation decision

Decision	☐ Accredited (full) ☐ Provisional / conditional ☐ Rejected		
Accreditation No.		Valid until	
Overall score (%)		All critical (●) criteria met?	☐ Yes ☐ No
Accredited scope (printers, materials, item-classes)			
Rationale for decision			

17. Conditions / corrective actions (complete if provisional or for closure)

Ref	Finding	Required action	Due	Status

18. Surveillance & re-assessment plan

Surveillance frequency		Next assessment due	
Spot-audit / sample-coupon plan		Risk-based review	☐ Yes ☐ No
Triggers for re-assessment (equipment change, quality failure, ownership change, relocation ...)			

19. Assessor declaration & signatures

Role	Name	Signature	Date
Lead assessor			
Technical reviewer			

Role	Name	Signature	Date
Approver (accreditation authority)			

20. Appendix — evidence collected

Business-registration certificate	☐	Insurance certificate	☐
Ownership / beneficial-owner documents	☐	Sanctions & adverse-media screening	☐
Printer list & calibration records	☐	Material certificates	☐
Staff CVs / training records	☐	Facility photographs	☐
Power & backup evidence	☐	OHS / safety documentation	☐
SOPs / quality procedures	☐	Customer reference contacts	☐
Sample certified part + witness coupon	☐	Required-angle photographs	☐