

TCRLAS Nine-Level Commercialization Guide v2.0

TCRLAS Refinement v2.0 | Working methodology | 15 October 2026

Definition and boundaries

TCRLAS assigns demonstrated milestone level independently. CVA evaluates forward-looking commercial viability. CDA authorizes a specific next action. Launch authorization is an additional, separately documented decision. Neither scores nor charts grant permission to market healthcare offerings.

Evidence and uncertainty

Date all evidence; identify evaluator, source, verification status, jurisdiction, scope and confidence. NE means not evaluated; zero is a justified adverse score, never a substitute for missing information.

Scoring policy

Scores 0–6 are ordinal evidence anchors. Do not interpret the arithmetic mean as probability or validated investment return. No required CVA or HSE numeric threshold controls advance or launch. Record blockers separately.

Preservation

Keep nine original TCRLAS milestones and their minimum conditions unchanged. Preserve legacy TCI as experimental and do not apply it automatically to new CVA scores.

Purpose

This evidence-based universal milestone guide preserves the nine-level Version 1.0 definitions. It is not a return prediction, medical clearance or substitute for Technology Readiness Levels.

Phase I: Proof of Principle

Levels 1–3: scientific insight, feasible principle and credible differentiation/use-rights path.

Phase II: Proof of Concept

Levels 4–6: customer problem, evaluated functional prototype, credible adoption and delivery route.

Phase III: Proof of Commercialization

Levels 7–9: relevant-world pilot, repeatable commercial value and sustainable scaling.

Level 1 — Scientific insight

Documented scientific/engineering insight linked to plausible application.

Level 2 — Practical feasibility

Reproducible core principle in controlled conditions.

Level 3 — Differentiation and control path

Credible advantage compared with alternatives; basic ownership and use-rights risks identified.

Level 4 — Customer problem validated

Defined user/customer confirms meaningful problem or unmet need.

Level 5 — Functional prototype and feedback

Functional prototype or equivalent service demonstration evaluated by target users.

Level 6 — Credible adoption path

Plausible route to adoption, delivery, pricing/economics and applicable compliance.

Level 7 — Real-world pilot

Integrated solution performs in relevant setting; roles and venture/licensing route defined.

Level 8 — Repeatable value and revenue

Verified commercial transactions or equivalent payment, repeatable delivery and viable unit economics.

Level 9 — Sustainable scaling operation

Repeatable sustainable operations, expandable capacity and defensible operational advantage.

Level assignment protocol

Assign highest level for which minimum evidence is demonstrated, keeping earlier foundations credible; record equivalent evidence if unconventional progression. Letter of intent is not payment; demo is not real-world deployment.

Reporting

Project / assessed offering / jurisdiction / scope / assessor / review date / TCRLAS 1–9 or pre-Level 1 / evidence and status / critical blocker register / next milestone. Attach separate CVA and HSE profiles if assessed.

STATUS: PROPOSED WORKING DRAFT — not externally validated.