

Calculator, Python Engine and Codex Implementation Specification 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.

Data model

Project, market, jurisdiction, category, intended use, TCRLAS level, CVA five scores (0–6 or null), HSE five scores where applicable, evidence records, blockers with type and applies_to_action, decision and launch gate statuses.

Interactive display

Separate TCRLAS milestone display, CVA five-axis radar and HSE five-axis radar. HSE radar must never modify CVA or TCRLAS. Include score sliders with NE toggles, product/service category selector, accountable action review and data export/import.

No automatic GO

There is no automatic commercialization or launch authorization from mean/minimum scores. An unresolved material legal, safety or mandatory regulatory blocker prevents authorization of the relevant restricted activity, not unrelated research work.

Legacy math

Retain v0.3 legacy TCI separately for comparison only: $A = \sum(w_i * x_i)$, $W = \min(x_i)$, $R = [\alpha * A + (1 - \alpha) * W] / 6$, $TCI = 100 * (L/9)^{\beta} * R^{(1 - \beta)}$. This uses ORIGINAL technical/market/IP/team/funding dimensions, not the proposed CVA. Never relabel new CVA score as the same validated legacy TCI.

Configuration

No default investment rank. Profile chart coordinates = each score / 6. Null/NE must not silently be imputed as zero. Export JSON with model_version and assessment date; import validate range and category.

Codex publishing rules

Work on a new feature branch, preview locally, preserve all live InnovGreenTech pages and links, add a navigation entry or dedicated assessment subpage only after local preview and user approval. No server/database is needed for initial client-only app; avoid uploading personal medical or business evidence to a public site.

Verification

Run Python unit tests, compare Python/JavaScript results for known examples, test NE/null handling, blocker handling, category switching, mobile layout, accessibility and export/import.

STATUS: PROPOSED WORKING DRAFT — not externally validated.