

Component — Audit (Excel / One-Pager / Reproducibility)

September 26, 2025

Deliverables Per Change

1. **Excel mirror**: traceable formulas only (e.g., SUMPRODUCT).
2. **One-pager**: assumptions, baseline/target/final KPIs, CI table, two plots.
3. **Notebook checkpoint**: seeded, re-runnable; per-step CSV (KL and KPIs).

Excel Formulas

Let columns be Payout (x) and Prob:

$$\text{RTP} = \text{SUMPRODUCT}(\text{Prob}, \text{Payout}), \quad (1)$$

$$\text{Var} = \text{SUMPRODUCT}(\text{Prob}, \text{Payout}^2) - \text{RTP}^2, \quad (2)$$

$$\text{Hit} = 1 - \text{Prob}_{\text{miss}}. \quad (3)$$

Name ranges to avoid misalignment; lock payout-cap cells.

Cross-Checks

Numbers in Excel, one-pager, and notebook must match to the last printed precision. Store artifacts and config (targets, tolerances) together for audit.