**PRD-17 — Serial/Lot Attributes & Recall Readiness**

**Intent** Track regulated products by serial/lot and find affected shipments instantly.

**Preconditions** Serial/Lot schema; scan points; link to shipments.

**Steps**

1. Enable per product: tracking\_mode = none/lot/serial.
2. Capture serial/lot at receipt/pack/ship; link to product version/PCV/PCT in effect at event time.
3. **Recall Planner**: input lot/serial range → list impacted partners/orders/regions with WHY.
4. Export recall report (CSV/PDF) with proofs.

**Edge cases** Mixed lots in kit → cascade to kit recall.  
**Done when** A recall query runs <2 s P95 and outputs complete, verifiable lists.