v3.5 Cleanup Sprint – One-Page Focus Outline

Objective
Stabilize the New Supplier and New Component workflows so they are predictable, guarded by the Gate, and easy to debug before any additional features are layered on.

1. Standardize UI Macro Contract
• Gate check at start to block actions when the workbook is not valid
• Single success message on commit so users know exactly when data is saved
• Single “No new record created” message on any abort or cancel path
• Clean rollback on cancel to prevent partial or corrupt records
• Consistent audit field population (Created/Updated At/By) across all UI macros

2. Defaults Strategy: Schema First
• Pull defaults from TBL_SCHEMA when DefaultValue is defined
• Fall back to safe, boring code defaults when schema values are blank or missing
• Enable future behavior changes by editing schema data instead of VBA code

3. Component Data Integrity Validation
• Enforce required non-blank fields for new component records
• Validate uniqueness rules (CompID, and OurPN + OurRev where applicable)
• Check numeric and date fields for sane ranges and valid values
• Wire validation into Validate_DataIntegrity_All so the Gate blocks bad states consistently

4. Logging Improvements
• Log one concise entry when a user aborts an action, including the reason
• Log runtime errors with procedure name and error details for diagnostics
• Keep logs informative without creating excessive or noisy entries

5. Helper Duplication Control
• Identify shared helper routines used across Supplier and Component workflows
• Keep helper behavior consistent to avoid subtle differences between modules
• Defer consolidation into Core modules unless duplication becomes risky or confusing

6. Table Hygiene
• Ensure all active Supplier and Component records live inside their ListObjects
• Remove or migrate legacy rows that sit outside table boundaries
• Guarantee schema and integrity checks see the same data users interact with

Recommended Execution Order
$1 \rightarrow 3 \rightarrow 4 \rightarrow 2 \rightarrow 6 \rightarrow 5$

Outcome
A stable, boring, and trustworthy foundation that supports controlled iteration, clear debugging, and confident handoff to future feature work.