

Test 3: RunFullValidationMaster - Preparation

Version: Phase 2 - Test 3

Date: 2026-01-19

Status: Ready to Begin

Test 1 & 2 Summary

Test 1: GetAutoValidationMap

- **Status:** PASSED
- **Result:** Successfully loads 9 validation mappings
- **Bug Fixed:** Error #450 (missing Set keyword)

Test 2: Debug Logger System

- **Status:** PASSED
- **Result:** GlobalDebugOn controls debug output correctly
- **Bugs Fixed:**
 - InitDebugFlags table structure mismatch
 - Form method name (setLMenuValCompletedCB)

Test 3 Scope

Purpose: End-to-end validation with actual data

What will be tested:

1. Full validation workflow from start to finish
2. ValidationTrackerForm progress display
3. Error detection and reporting
4. Auto-correction functionality
5. Format application
6. Cancel button
7. Performance measurement

Current modules ready:

-  AV_Core v2.1 COMPLETE (tested)
 -  AV_UI v2.1 Test2 (tested)
 -  AV_Engine v2.1 (ready, not tested)
 -  AV_Format v2.1 (ready, not tested)
 -  AV_Validators v2.1 (ready, not tested)
 -  AV_ValidationRules v2.1 (ready, not tested)
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Prerequisites for Test 3

Data Setup

1.  GlobalDebugOptions table configured
2.  AutoValidationCommentPrefixMappingTable populated (9 validations)
3.  Target data table with test rows
4.  Validation rule tables populated:
 - GIWValidationTable

- ElectricityPairValidation
- PlumbingPairValidation
- HeatSourcePairValidation
- HeatSourceANYRefTable

Configuration

1.  Set GlobalDebugOn = "ON" (for detailed logging)
 2.  Prepare test data with known errors
 3.  Prepare test data with valid values
 4.  Prepare test data requiring auto-correction
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Test 3 Plan

Phase 3.1: Basic Execution

Test: Run validation on 10-20 rows

Expected:

- Form appears
- Progress updates every 10 rows
- Validation completes without errors
- Results logged in form

Phase 3.2: Error Detection

Test: Rows with validation errors

Expected:

- Errors flagged in drop columns
- Error formatting applied
- Key column formatted with highest priority
- Error messages clear and specific

Phase 3.3: Auto-Correction

Test: Rows requiring auto-correction

Expected:

- Corrections applied automatically
- Autocorrect formatting applied
- Drop column shows correction message
- Original values changed to corrected values

Phase 3.4: Cancel Function

Test: Cancel validation mid-process

Expected:

- Validation stops gracefully
- Partial results preserved
- Form reports cancellation
- No errors or crashes

Phase 3.5: Performance

Test: Large dataset (100+ rows)

Expected:

- Progress updates regular

- No timeout errors
 - Reasonable completion time
 - Memory stable
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Questions for User Before Test 3

1. **Test data ready?** Do you have a test dataset with:
 - Valid rows
 - Invalid rows (for error detection)
 - Rows needing auto-correction
 2. **Validation rules populated?** Are the rule tables filled in?
 3. **Expected behavior?** Any specific validation scenarios to test?
 4. **Debug setting?** Set GlobalDebugOn = "ON" for detailed Test 3 logging?
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Next Steps

When ready:

1. Confirm prerequisites above
2. Set GlobalDebugOn = "ON"
3. Create Test3 module (similar to Test2)
4. Run RunFullValidationMaster
5. Review results
6. Fix any issues found

Estimated time: 15-30 minutes depending on data size

Documentation Updated: Master Documentation v2.3 created with all Test 1 & 2 results