
ABAP Output Debug Checklist (No Clues / No Docs)

Step 1 – Identify the Output Type

- **Tcode:** NACE
- Go to the right **Application** (e.g., V1 = Sales, EF = Purchasing).
- Find your **Output Type** → note:
 - Program name
 - Routine name
 - Smartform / SAPScript

Step 2 – Check NAST Entries

- **Tcode:** SE16N → Table NAST
- Enter Document No. + Application → find the output type.
- Note:
 - Status (0 = not processed, 1 = success, 2 = error).
 - Error message (if available).

Step 3 – Look at Dispatch Timing

- In NAST record, check **Dispatch time**:
 - 1 = Send immediately (when saving the document)
 - 3 = Send with own transaction (needs RSNAST00 or batch job)

Step 4 – Trigger the Output

- Reproduce in **standard Tcode** (e.g., VF02, ME22N).
- Make sure the output determination is triggered.

Step 5 – Breakpoint in Processing

- Set breakpoints in:
 - RSNAST00 (driver for outputs)
 - SAPLNAST / NAST_PROCESSING
 - The **print program** (from NACE)

- The **entry routine** (form/function)
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Step 6 – Check Program Flow

- Is the custom program (z*) being called?
 - If yes → trace data reads / SELECTs.
 - If standard program → look for **User-Exits, BADIs, Implicit Enhancements**.
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Step 7 – Debug the Form Call

- For **Smartforms**: watch the `SSF_FUNCTION_MODULE_NAME` call.
 - For **SAPScript**: look at `OPEN_FORM / WRITE_FORM`.
 - Capture any dump (ST22) or short message.
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Step 8 – Check Partner / Condition Records


- Is the **partner function** maintained (e.g., BP, Vendor, Customer)?
 - Are **condition records** created for the output type? (VV31, MN04, etc.).
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Step 9 – Check Logs

- **SLG1** → Application Log (often stores output errors).
 - **SOST** → If it's an email/fax output.
 - **ST22** → Dumps.
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Step 10 – Re-run via RSNAST00

- **Program:** RSNAST00
 - Run with Application + Object Key + Output Type.
 - This simulates batch output.
 - Debug again if needed.
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 **Golden Rule:** Always trace → NAST → Processing program → Form → Dispatch.
That's the core chain.