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## 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
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### 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).
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### 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)
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### Step 4 – Trigger the Output

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