REPORT / generation 1 — User manual

Library: `src/lib2/report/1/`
Edition: 2026-11-18, source/document review (documentation only)
Qualification: CLARITAS Wave 6 source/native parity accepted only; not promoted as a generic reporting engine.

What this member does

Format the original U32 numerical Lab test results into VT documents and case/summary pages; its 72-test data and layout are application-specific.

Public interfaces

Entry point or group	Inputs, outputs and behavior
`RPT_CAPTURE / RPT_CAPREM`	Capture actual U32 outputs/remainders into Lab-owned arrays; `$8` case index and registers hold values.
`RPT_SETFLAG`	Store a PASS/FAIL status for selected test case.
`RPT_SUMMARY / RPT_CASEPAGE`	Populate the VT canvas with summary and case reports.
`RPT_PUTZ / RPT_DEC2 / RPT_MAKEHEX`	Low-level Lab formatting helpers with source-specific register conventions.

How to integrate

For historical reproduction only, include `report.s` in a compatible Lab source closure and call its case-capture and report-page routines in the original test order. New client apps should implement application-owned reporting instead.

Composition sketch (not an independently assembled client):

```
#INCLUDE (lib2/report/1/report.s)
; Supply the dependencies, RAM, bank context and symbols described above.
        CAL     RPT_CAPTURE
```

Environment, dependencies and memory

Needs Lab arrays (`RPT_*`), fixed expected-result fixtures, VT20 document interface, correct UA14 and `$SY=1`; calls are not generic without the original Lab workspace.

Limits and evidence

Large source includes fixed report strings and 72-case assumptions. Do not promise a stable independent `RPT_*` ABI or reuse in unrelated applications without extracting and qualifying a new version.

This documentation does not introduce a new build or runtime PASS. Source equivalence, native assembler parity, emulator execution and physical-machine evidence remain distinct.

Actual source and further reference

- This exact member folder in Google Drive
- Source modules: `report.s`.
- Further contracts/source notes: report.s. These may include dated donor paths or older acceptance statements.
- For a new consumer, pin exact source files and hashes, verify full include closure, inspect register/bank/resource conflicts and test the resulting application on each claimed target.

Praeteritum ad futurum servamus.