VERIFICATION

GUC Qualification Suite

Fail-closed file/hash/JSON/regex/command gates, compliance profiles, deterministic evidence sealing, mutation testing and qualification verdicts

IP-4323 · Engineering software · CLI / local API

Function and architecture

• Fail-closed file/hash/JSON/regex/command gates, compliance profiles, deterministic evidence sealing, mutation testing and qualification verdicts

• Separately packaged release

• No mandatory sibling-product runtime

Integration summary

GUC Qualification Suite: Separately runnable fail-closed qualification engine with exact file/hash/JSON/regex/command gates, deterministic PASS/FAIL/INVALID-style evidence evaluation, compliance profiles, sealing and mutation testing. Delivered as CLI / local API. Integrate the selected version at its documented input/output boundary; retain source and configuration identity with each result. The exact callable API, dependencies and runtime environment are supplied with the controlled release; this public description is not a substitute for that release contract.

Technical record

Canonical identity	IP-4323
Responsibility	Separately runnable fail-closed qualification engine with exact file/hash/JSON/regex/command gates, deterministic PASS/FAIL/INVALID-style evidence evaluation, compliance profiles, sealing and mutation testing.
Delivery boundary	CLI / local API
Evidence scope	Engineering software
Engineering boundary	Separately runnable fail-closed qualification engine with exact file/hash/JSON/regex/command gates, deterministic PASS/FAIL/INVALID-style evidence evaluation, compliance profiles, sealing and mutation testing.
Deployment	CLI / local API; 0.9.0
Operational scope	Qualification software validates supplied evidence; it does not create underlying RTL, formal, physical or silicon proof by itself.

Delivery and release binding

- Versioned package and dependency lock
- Deployment environment and access controls
- Input/output schemas and integration examples
- Evaluation scope, support and update policy

Confirm for the selected release: Environment and dependencies, Version / build hash, API compatibility, License and support scope.

Evidence and qualification

20 independent qualification campaigns; 2,000/2,000 corrupted contracts rejected; core + advanced clean-room PASS

Qualification software validates supplied evidence; it does not create underlying RTL, formal, physical or silicon proof by itself.

Canonical status: P2 / EXECUTABLE QUALIFICATION SOFTWARE; UNDERLYING EDA/HARDWARE/SILICON RESULTS REMAIN EXTERNAL EVIDENCE

Evaluation and licensing

Evaluation: Evaluate the named software release. Production: Team or enterprise deployment. Custom work: Workflow and API integration. Rights, pricing, support and acceptance criteria are agreed for the exact scope.

Contact: patrick@garmolabs.com | Product path: /software/guc-qualification-suite