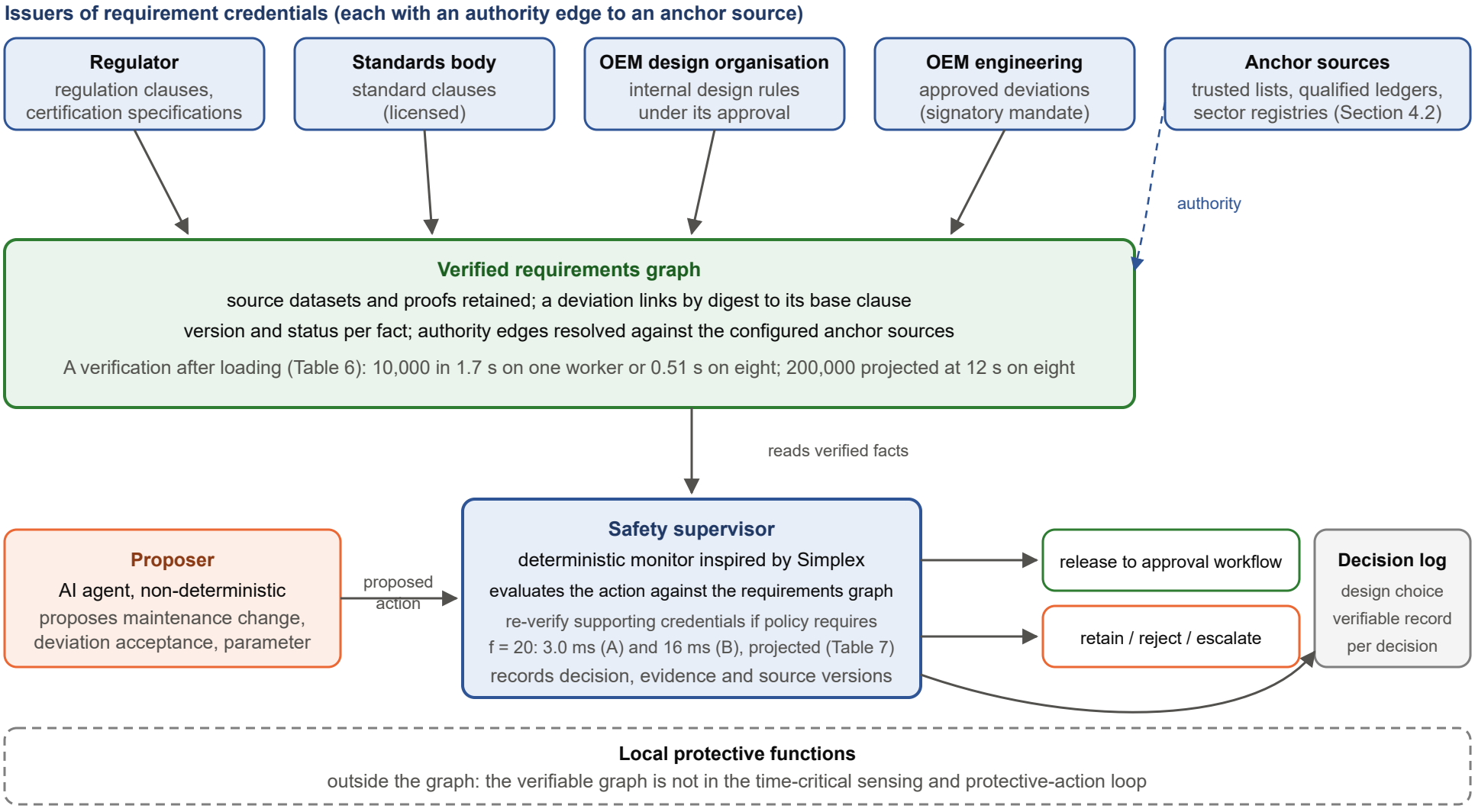

Issuers of requirement credentials (each with an authority edge to an anchor source)
Regulator
regulation clauses, certification specifications
Standards body
standard clauses (licensed)
OEM design organisation
internal design rules under its approval
OEM engineering
approved deviations (signatory mandate)
Anchor sources
trusted lists, qualified ledgers, sector registries (Section 4.2)
authority
Verified requirements graph
source datasets and proofs retained; a deviation links by digest to its base clause
version and status per fact; authority edges resolved against the configured anchor sources
A verification after loading (Table 6): 10,000 in 1.7 s on one worker or 0.51 s on eight; 200,000 projected at 12 s on eight
reads verified facts
Proposer
AI agent, non-deterministic
proposes maintenance change, deviation acceptance, parameter
proposed action
Safety supervisor
deterministic monitor inspired by Simplex
evaluates the action against the requirements graph
re-verify supporting credentials if policy requires
f = 20: 3.0 ms (A) and 16 ms (B), projected (Table 7)
records decision, evidence and source versions
release to approval workflow
retain / reject / escalate
Decision log
design choice
verifiable record
per decision
Local protective functions
outside the graph: the verifiable graph is not in the time-critical sensing and protective-action loop