

CSTP® Clean Software Telemetry

What the exam asks, how it is scored, and what share of questions each domain carries.

At a glance

Questions	80
Time	90 minutes
Format	80 scenario & calculation questions, 90 minutes
Pass mark	70% scaled score
Retakes	1 retake included within 12 months
Refunds and rescheduling	Non-refundable; free reschedule up to 24h prior
Credential lasts	3 years. 30 TDUs every 3 years to renew.

Who it is for and who can sit it

Who it is for	Cloud architects, software engineers, sustainability tech officers (2–5 years)
With a degree	Knowledge of distributed computing architectures and energy profiling (2+ years)
Without a degree	36 months software development and system resource optimization

Share of questions by TPBOK domain

Domain	Share	What is covered
Architecture & Systems Design	28%  about 22 of 80 questions	Carbon-aware design, asynchronous computation queues, and energy-minimalist caching
Engineering Governance & Agile Delivery	24%  about 19 of 80 questions	Carbon budgeting in CI/CD, sustainability regression tests, and DORA carbon metrics

Domain	Share	What is covered
Applied AI & Emerging Tech Integration	16%  about 13 of 80 questions	Energy auditing for AI training vs inference, model quantization efficiency, and pruning
Infrastructure & Security	26%  about 21 of 80 questions	Clean cloud region selection, idle workload reclamation, and low-power container runtime
People Leadership in Engineering	6%  about 5 of 80 questions	ESG engineering reporting, team environmental awareness, and stakeholder metrics

Focus areas

- Carbon-aware software patterns: temporal and spatial workload shifting to low-carbon grid hours
- Computational efficiency profiling: CPU instructions, memory churn, and network payload reduction
- Power Usage Effectiveness (PUE) and Scope 2/3 GHG protocol software emission accounting
- Automated carbon telemetry reporting integrated into continuous delivery pipelines

Scoring. Tiered standard: 65% for foundational (ATP), 70% for CTP and specialty credentials, 75% for executive leadership (PgTP, PfTP). Evaluated via psychometrically calibrated scaled scoring with no negative marking.

Rescheduling. Reschedule-only. Examination voucher fees are non-refundable once registered. However, candidates can reschedule their exam sitting free of charge up to 24 hours prior to their scheduled exam window.

IICTP is a new independent credential and is not ISO/IEC 17024 accredited. Blueprint version 1.0, 21 October 2026. Domain shares are the share of questions on each exam form. See all credentials at <https://www.iictp.org/certifications/exam-facts>.