Global AI Certification Council

GAICC CERTIFICATION · CANDIDATE HANDBOOK

[EAIGP]

Engineering AI Governance Professional

Candidate Handbook

1st Edition | 2026 | v1.2



Certification	GAICC Engineering AI Governance Professional (GAICC-EAIGP)
Handbook code	GAICC-CH-EAIGP-001
Version	1.2 · 30 October 2026
Level	Tier 3, Senior and Specialty (sector professional)

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Frameworks	EU AI Act (Regulation (EU) 2024/1689) as amended by Regulation (EU) 2026/1744; Machinery Regulation (EU) 2023/1230; Cyber Resilience Act; Product Liability Directive (EU) 2024/2853; EN 18286:2026 Quality management system for EU AI Act regulatory purposes; GB machinery and product safety regulation; and others listed in the ECO
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1. About this certification

EAIGP confirms that a senior practitioner can govern AI across the engineering lifecycle, from regulatory route mapping and functional safety integration to model configuration management, verification, cybersecurity and agentic engineering workflows. Holders produce the evidence that regulators, notified bodies, clients and signing engineers need before AI-enabled products, plants and infrastructure are released.

AI now sits inside machines, vehicles, robots, process plants, networks and the tools engineers use to design and verify them. Generative design proposes structures, surrogate models replace simulations, perception models decide when a robot slows down, and AI coding agents write the regression tests that sign off silicon against a digital twin. Failures in these systems can cause physical, often irreversible, harm. Established engineering assurance was built for deterministic, specified behaviour, and it struggles with data-driven insufficiencies, distribution shift, self-evolving behaviour, rapid model updates over decades-long asset lives, and AI-generated artefacts that reviewers are inclined to trust. Professional bodies are clear that AI cannot sign off work: the engineer remains accountable, and some professional indemnity insurers are adding AI exclusions.

An Engineering AI Governance Professional connects AI governance to the disciplines engineering organisations already run: functional safety, safety of the intended functionality, systems engineering, configuration management, verification and validation, OT cybersecurity and quality management. Holders classify AI-enabled products under product, AI, cybersecurity and liability law; integrate machine learning into IEC 61508, ISO 26262, ISO 21448 and ISO/PAS 8800 lifecycles; build safety cases with explicit confidence arguments; keep datasets, models and AI bills of materials under configuration control through over-the-air updates; plan V&V using simulation and digital twins; secure AI in operational technology; and set autonomy limits and approval gates for AI coding agents and agentic workflows. The credential serves OEMs, Tier 1 suppliers, manufacturers, utilities, infrastructure and construction firms, semiconductor and telecom companies, and the digital engineering and IT services firms that build and validate AI for them.

What certified professionals can do

1. Map engineering AI use cases to regulatory routes, conformity assessment and liability exposure across markets.
2. Integrate machine learning into IEC 61508, ISO 26262, SOTIF and ISO/PAS 8800 safety lifecycles.
3. Build safety cases and confidence arguments that hold for learned components within defined ODDs.

4. Govern datasets, models and AIBOMs under configuration control across OTA updates and long asset lives.
5. Plan verification and validation using simulation, digital twins, robustness testing and run-time monitors.
6. Secure AI in operational technology and meet Cyber Resilience Act vulnerability reporting duties.
7. Set autonomy limits, approval gates and evidence for AI coding agents and agentic engineering workflows.
8. Design human oversight, field monitoring and incident reporting that protect workers, users and communities.

2. Eligibility and prerequisites

Certification is open to anyone who completes the training requirement. It is designed for practitioners in engineering, manufacturing, mobility, infrastructure and industrial technology and for the technology, consulting and services professionals who build, deliver or assure AI for that sector.

Training requirement

32 contact hours of EAIGP training, completed before the exam. This is the only eligibility requirement. Hours are counted per certification and do not transfer.

Training route	What it involves
GAICC self-paced course	Structured eLearning on the GAICC platform with a certificate of completion.
GAICC Authorised Training Partner or Certified Instructor	Instructor-led, in person or live online, delivered to the 32-hour GAICC curriculum.
GAICC-recognised institution	A university, professional body or employer programme that GAICC has recognised as covering the Examination Content Outline.

Recommended experience

At least five years in engineering, safety, verification, quality, cybersecurity or product compliance roles, including work on safety-related or regulated products, is recommended but not required. Experience is recommended, not required, and is never used to refuse a candidate. No GAICC certification requires work experience.

Recommended prior credential

The GAICC Certified Professional in AI Governance (CPAIG), or equivalent foundational AI governance knowledge, is recommended but not required.

3. The exam at a glance

Examination	Duration	Pass mark
80 questions, all scored	**120 minutes**	**70%, 56 of 80 items (scaled score of 350 on a 100 to 500 scale)**

Format **Scenario-based multiple choice, single best answer from four options, no negative marking**	**Delivery** **Online with AI-assisted proctoring through the GAICC Hub, available 24/7. A person makes any final integrity decision**	**Conditions** **Closed book. No reference material, notes or AI tools**
Training requirement **32 contact hours, completed before the exam**	**Validity and renewal** **3 years · 60 CPD hours per cycle**	**Credential awarded** **GAICC Engineering AI Governance Professional (GAICC-EAIGP)**

4. What the exam tests

The examination follows the Examination Content Outline, which lists every task and knowledge statement. Domain weightings are:

Dom.	Title	Relative weight	Weight	Items
I	Engineering AI Landscape and Professional Accountability		**10%**	8
II	Product Regulation and Liability for AI-Enabled Systems		**14%**	12
III	AI Safety Engineering and Functional Safety Integration		**16%**	13
IV	Data, Model Lifecycle and Configuration Management		**12%**	9
V	Verification, Validation and Robustness Assurance		**14%**	11
VI	Cybersecurity and Resilience of AI-Enabled Systems		**11%**	9
VII	Human Oversight, Ethics and Societal Impact		**10%**	8
VIII	Generative, Agentic and Physical AI in Practice		**13%**	10
	Total scored items		**100%**	**80**

Cognitive level	Share of scored items	What it looks like
Understanding	25% (about 20 items)	Explain concepts, obligations and the purpose of controls in the sector context.
Application	45% (about 36 items)	Apply frameworks, regulations and controls to realistic sector scenarios.
Analysis and Evaluation	30% (about 24 items)	Weigh competing risks and obligations, judge evidence, and choose the most defensible course of action.

5. Booking and exam-day conduct

- Create your candidate account at certifications.gaicc.org, upload your training certificate and accept the Code of Ethics.
- Applications are reviewed within five calendar days. Once your training evidence is verified, pay the examination fee and book an online proctored session at a time that suits you.
- For online exams, use a private, quiet room with a clear desk, a working webcam and microphone, and a stable connection. Run the system check beforehand.
- No notes, books, phones, smart watches, second screens or AI tools are permitted. You may not copy, record or share any examination content.
- Rescheduling and cancellation windows are shown in your candidate account at the time of booking.

6. Proctoring and exam security

Sessions use AI-assisted proctoring and are recorded. Every flag is reviewed by a person, and a person makes any final integrity decision. Suspected misconduct may lead to the session ending, results being withheld, and sanctions under Section 14.

7. Results and feedback

You receive a provisional pass or fail result at the end of the examination. Your official result, including a scaled score and performance feedback by domain, is confirmed in your candidate account after GAICC quality checks. Every item on the examination counts towards your score.

8. Retake policy

If you do not pass, you may resit. Each exam registration includes one attempt and one free resit. The free resit must be taken within 12 months of registration. After that, each further attempt needs a new exam registration at the published examination fee. Review your domain feedback before you resit. You do not need to repeat the training requirement to resit within the 12 months.

9. Fees

Item	Fee
Annual Membership	US$99 per 12 months (optional, purchased separately)
Examination fee, non-member / member	US$299 / US$199
Certification renewal, per three-year cycle, non-member / member	US$119 / US$69
Resit (one, within 12 months of registration)	No fee

Training fees are set by training providers and are not part of the certification fees.

10. Certification, validity and recertification

- The credential is valid for 3 years from the certification decision.
- Earn 60 CPD hours in each three-year cycle, split Technology 27, Humanity 12 and Strategy 21.
- Hours can be earned through engineering AI governance work such as risk and impact assessment, assurance and audit, incident handling, policy and control design, teaching, writing, standards work and structured learning.
- Reaffirm the GAICC Code of Ethics, remain in good standing and pay the renewal fee.
- A three months grace period applies after expiry. After the grace period, re-examination is required.
- Re-examination is also required where CPD evidence is insufficient, the credential has lapsed, or a major scheme change requires it.

Competency (GAICC AI Competence Triangle)	What it covers	CPD hours
Technology	AI systems, data, models, tooling and technical controls.	27
Humanity	Ethics, human oversight, fairness, transparency and impact on people.	12
Strategy	Governance, policy, risk, assurance and organisational alignment.	21
Total per three-year cycle	No elective category. Every hour maps to one competency.	**60**

The renewal fee is US$119 for non-members and US$69 for members per three-year cycle. This Handbook and the GAICC Recertification Procedure (GAICC-QMS-PRO-REC-001) are the authority on renewal.

11. Reasonable adjustments and accessibility

Request adjustments when you book, with supporting evidence, at least 20 working days before your preferred date. Adjustments may include extra time, rest breaks, screen readers or a separate room. Adjustments never change what the examination measures.

12. Use of the certificate and the GAICC marks

While your certificate is current you may use the post-nominal "EAIGP" and the GAICC digital badge. Do not use them to suggest that an organisation, product or service is certified, and stop using them if your certificate expires, is suspended or is withdrawn.

13. Code of ethics

You agree to act with integrity and competence, protect the people affected by AI systems, respect confidentiality, avoid and declare conflicts of interest, be honest about the limits of your competence and of AI systems, and report serious risks through appropriate channels. You reaffirm the Code at every renewal.

14. Appeals, complaints and misconduct

You may appeal a result or decision within 30 days by writing to support@gaicc.org. Appeals are reviewed by people who were not involved in the original decision. Misconduct, including sharing examination content, impersonation or falsified training evidence, can lead to voided results, a ban from future examinations, and withdrawal of any GAICC certification.

15. Privacy and contact

GAICC processes your personal information only to deliver certification services, under its privacy policy and applicable privacy law, including the New Zealand Privacy Act 2020.

Contact	Details
Certification and exams	certify@gaicc.org
Candidate support	support@gaicc.org
Web	gaicc.org · certifications.gaicc.org
Australia	Level 2, 697 Collins Street, Melbourne VIC 3008
New Zealand	Level 3, 21 Putney Way, Manukau, Auckland 2104
United States	3900 Westerre Pkwy, Richmond, VA 23233