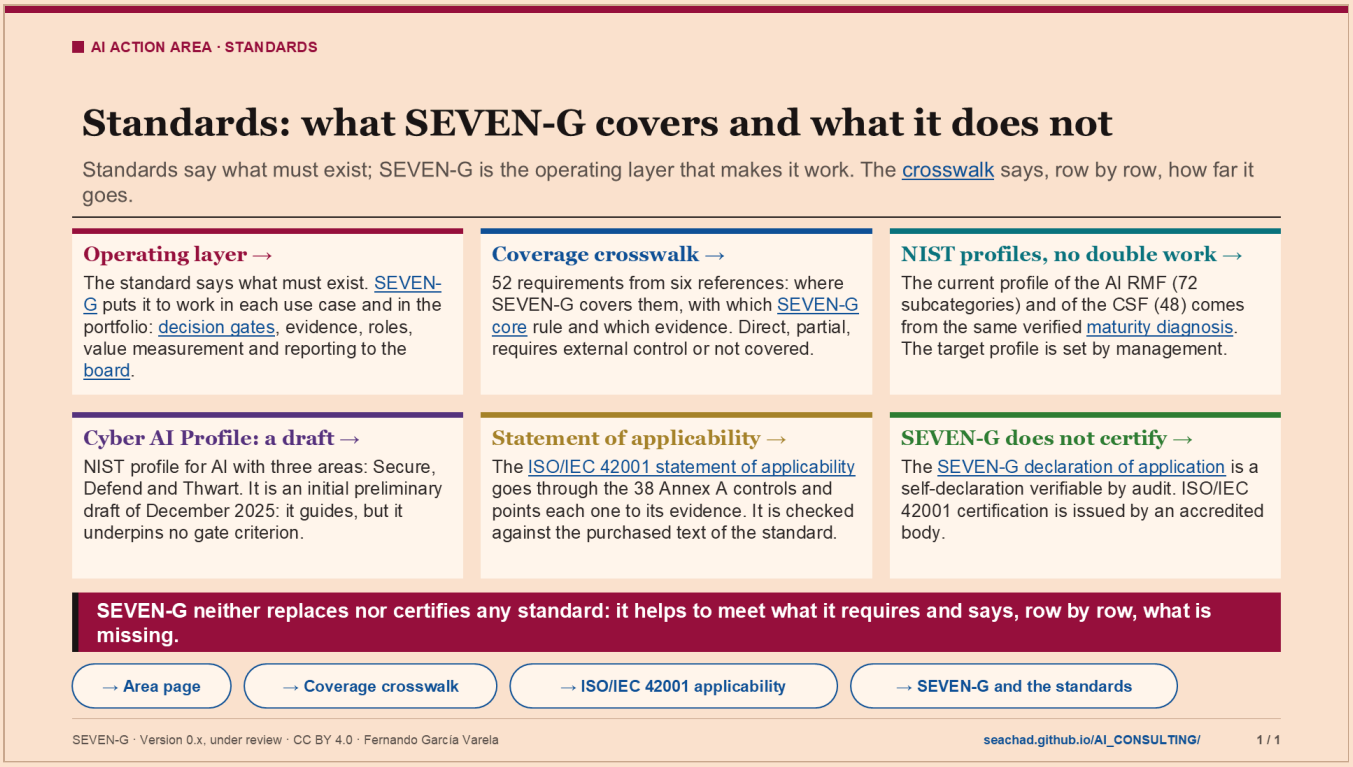

Notes

This slide summarises the “Standards” area of SEVEN-G. It answers a question asked by risk committees, auditors and many boards: what SEVEN-G covers of ISO/IEC 42001, NIST and the EU AI Act, and what it does not cover.

The central idea is simple. Standards say what must exist. SEVEN-G is the operating layer that makes it work in each use case and across the portfolio, with investment and value discipline. SEVEN-G does not replace any standard, does not certify and does not guarantee compliance with the EU AI Act.

The six blocks on the slide:

- Operating layer. ISO/IEC 42001 requires an AI management system. In SEVEN-G, the corporate cycle (C1 to C5) acts as the management system and the use case lifecycle (phases 0 to 7) as the operating process. Why it matters: whoever already works with a standard is not looking for another one; they are looking for how to put it into practice without duplicating work.
- Coverage crosswalk. It is a table in document 34 (section 9.1). For each requirement it says where SEVEN-G covers it, with which core rule, with which evidence and how far. It covers ISO/IEC 42001, 38507, 23894 and 42005, the NIST AI RMF and the EU AI Act: 52 rows. Of these, 41 have direct coverage, 6 partial, 3 require external control and 2 are not covered. ISO standards are cited by number or by topic, with an own summary, never with their text.
- NIST profiles. The AI RMF has 72 subcategories. From the CSF 2.0, document 34 selects 48 according to the Cyber AI Profile. The current level of each one comes from the same verified maturity questionnaire (document 11): one assessment, two readings. The target is set in the Direction stage (C2). The gap goes to the improvement plan.
- Cyber AI Profile. It is the CSF profile for AI (NIST IR 8596). It has three areas: Secure (protecting the components of AI), Defend (using AI in cyber defence) and Thwart (thwarting attacks that use AI). Today it is an initial preliminary draft of December 2025. SEVEN-G uses it for guidance and never bases a gate criterion on it.

- Statement of applicability. Template P74 goes through the 38 Annex A controls of ISO/IEC 42001, only by their code and with the topic summarised. For each control it says whether it applies, why, where SEVEN-G covers it, with which evidence and in which state it is. The company checks it against the text of the standard it has purchased.
- SEVEN-G does not certify. A company may declare that it applies SEVEN-G if it meets the fourteen core rules (template P61). It is a self-declaration verifiable by audit. ISO/IEC 42001 certification is issued by an accredited body, in accordance with ISO/IEC 42006.

Why it matters for decisions: stating precisely what the framework covers, and what it does not, avoids two costly mistakes. The first is believing that the framework certifies. The second is believing that one must choose between the framework and the standard.

Example, with real rows of the crosswalk: the ISO/IEC 42001 certification audit is listed as “requires external control”, because an accredited body carries it out. The obligations of providers of general-purpose AI models (articles 51 to 55 of the Act) are listed as “not covered”: SEVEN-G covers whoever integrates a model, not its provider.

Question for the classroom: if your company already has an ISO management system, what would it reuse from it and what would it have to complete with SEVEN-G?

TERMS ON THIS SLIDE

- **Coverage crosswalk**: A coverage table that shows, for each requirement of a standard or regulation (ISO/IEC 42001, NIST AI RMF, the EU AI Act and others), where SEVEN-G covers it, with which core rule and which evidence, and whether coverage is direct, partial, requires an external control or does not exist. It is not a certification or a declaration of conformity. The link opens the table in document 34. https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/34_SEVEN-G_Mapeo_regulatorio.html#9-1-coverage-crosswalk-standards-and-regulation-seven-g
- **SEVEN-G**: SEVEN-G (Seven-phase Enterprise Value & Governance) is an open framework for a company to implement, govern and measure AI, and to know whether it is transforming or only gaining efficiency. It treats each use case as an investment with decision gates and gives the board figures it can trust. Management, the AI office, risk and the board use it. The link opens its entry page, with the story, the questions and the examples. https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/entrada/index.html
- **Decision gates** (G0–G7): At the end of each phase there is a gate: a moment when a body decides, with verified evidence, whether the use case continues, continues with conditions, iterates, pivots or stops. There are at most two iterations before the decision is escalated. Gates turn enthusiasm into recorded decisions. The link opens their definition in document 01. https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/01_SEVEN-G_Metodologia_fundacional.html#decision-gates
- **Board of directors**: The company's highest body. In SEVEN-G it approves the AI thesis and risk appetite (C2), Transform bets and their scaling, and oversees AI every quarter. AI is a strategic asset: its big decisions are not only for technology. The link opens its role in the governance model (document 30). https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/30_SEVEN-G_Modelo_de_gobierno.html#3-1-board-of-directors
- **SEVEN-G core** (N-01–N-14): The fourteen rules that always apply, in any company, intensity and size: inventory, register, gates without skipping, the feasibility gate on its own, separation of duties, dual validation, value hypothesis, risks, rollback, board thesis, measurement and nonconformities. They are never lowered. A company declares that it applies SEVEN-G against this core. The link opens its definition in document 01. https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/01_SEVEN-G_Metodologia_fundacional.html#14-1-the-seven-g-core
- **Maturity diagnosis** (T15): A questionnaire of 84 evidence-based questions that measures the company's maturity in seven dimensions, from 0 to 5, and calculates the overall level. It also shows the three-lens reading and the NIST profiles. It is done in the initial diagnosis and at each annual review; its report is template P34. An unverified self-assessment does not give a valid level. The link opens an example with fictitious data. https://seachad.github.io/AI_CONSULTING/SEVEN-G/herramientas/T15_diagnostico_madurez/madurez.html

- **ISO/IEC 42001 statement of applicability** (P74): A template for companies aiming at the ISO/IEC 42001 AI management system standard: for each Annex A control, whether it applies, why, where SEVEN-G covers it and with what evidence. It must be checked against the standard's text and reviewed by an expert; conformity is attested by an external body. The link opens the template. https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/plantillas/P74_SEVEN-G_Declaracion_de_aplicabilidad_ISO_IEC_42001.html
- **SEVEN-G declaration of application** (P61): A document in which a company declares that it applies SEVEN-G, rule by rule of the core, with its evidence. It is a self-declaration that an audit can verify; nobody outside grants it and it is not an accreditation. It lets the company state rigorously what is met and what is not. The link opens template P61. https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/plantillas/P61_SEVEN-G_Declaracion_de_aplicacion_de_SEVEN-G.html

SOURCES AND LINKS

- **Document 34 · Regulatory mapping (crosswalk in §9.1)** https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/34_SEVEN-G_Mapeo_regulatorio.html
- **Document 04 · SEVEN-G compared with the standards (§5.1)** https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/04_SEVEN-G_Origenes_diferencias_y_por_que_es_abierto.html#5-1-compared-with-the-standards-seven-g-as-an-ai-operating-model
- **ISO/IEC 42001:2023 · AI management system (ISO)** https://www.iso.org/standard/42001
- **NIST IR 8596 · Cyber AI Profile (initial preliminary draft)** https://csrc.nist.gov/pubs/ir/8596/iprd
- **Regulation (EU) 2024/1689 · EU AI Act (EUR-Lex)** https://eur-lex.europa.eu/eli/reg/2024/1689/oj/eng
- **Standards area page** https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/areas/normas.html
- **Area page** https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/areas/normas.html
- **SEVEN-G and the standards** https://seachad.github.io/AI_CONSULTING/SEVEN-G/html/en/04_SEVEN-G_Origenes_diferencias_y_por_que_es_abierto.html#5-1-compared-with-the-standards-seven-g-as-an-ai-operating-model

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