Standards

What SEVEN-G covers of ISO/IEC 42001, NIST and the EU AI Act.

> *"Standards say what must exist; SEVEN-G is the operating layer that makes it work case by case. It helps prepare the evidence, but it does not certify or replace an accredited audit."*

WHAT IT IS

Map, do not copy

SEVEN-G does not embed the standards: it maps them. A coverage crosswalk links each requirement of ISO/IEC 42001, other ISO/IEC standards, the NIST AI risk management framework and the European AI Act to the framework rule, the evidence behind it and its level of coverage.

Implication: Does your company know which requirements of its target standard are already covered by what it does today?

Risk: Without a map, each standard becomes a separate project and evidence is asked for twice.

WHAT IT PROPOSES

Honest coverage

Each row says whether coverage is direct, partial, needs an external control or does not exist. Certification, the technical documentation of a high-risk provider and conformity assessment stay outside. Each ISO standard is summarised in our own words and checked against the purchased text.

Implication: Which requirements of your regulatory target does no internal process cover today?

Risk: Believing the methodology certifies leads to an external audit without preparation.

HOW IT IS CHECKED

One assessment, two readings

The maturity diagnosis also gives the current and target NIST profiles, on the same 0 to 5 scale, with no second assessment. For ISO/IEC 42001, the statement of applicability justifies each exclusion and only marks «implemented» what has evidence. An accredited body certifies.

Implication: Has top management approved a statement of applicability backed by evidence?

Risk: A control marked as implemented without evidence is the first finding of an audit.

FOUR QUESTIONS FOR THE BOARD

1. **What do we cover of ISO/IEC 42001 and what is missing?**
   The coverage crosswalk, row by row: what is partial, what needs an external control and who covers it.
2. **Do we comply with the European AI Act?**
   The answer goes system by system: classification, applicable obligations and evidence. There is no overall answer.
3. **Where is our gap against the NIST target profile?**
   Current and target profiles per subcategory, with the gap and its action in the maturity improvement plan.
4. **Who certifies us, if we want certification?**
   An accredited certification body. SEVEN-G helps prepare the evidence; it does not certify or declare conformity.

WHAT FAILS IF IT IS NOT GOVERNED

WHAT FAILS	LEVEL	WHAT TO DO
Presenting the framework as a certification	HIGH	Review how compliance is communicated
Exclusions from the standard without justification	HIGH	Justify each exclusion in the statement
Requirements that nobody in the company covers	HIGH	Assign an external control to each coverage gap
A draft standard used as a decision criterion	MEDIUM	Cite drafts only as guidance
A summary of a standard taken as its text	MEDIUM	Check coverage against the purchased text
A separate assessment for each framework	LOW	Derive the NIST profiles from the diagnosis

FURTHER READING

Regulatory mapping
Document 34 · standards coverage crosswalk

AI governance profile (NIST AI RMF)
Editable template

ISO/IEC 42001 statement of applicability
Editable template

ISO/IEC 42001 · AI management system
ISO/IEC JTC 1/SC 42 · 18-12-2023

Fernando García Varela · CC BY 4.0 · Version 0.x, under review

Generic help offered free of charge, with no legal review for any specific case: each organisation adapts it, identifies the regulation that applies to it and is responsible for its own compliance. It is neither advice nor certification. To the maximum extent permitted by law, the author accepts no liability for the effects of its application.