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TECHNICAL REPORT

**Securing Artificial Intelligence (SAI);
AI Act mapping and gap analysis to ETSI workplan**

Reference

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650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00   Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - APE 7112B
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° w061004871

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Foreword

This Technical Report (TR) has been produced by ETSI Technical Committee Securing Artificial Intelligence (SAI).

Modal verbs terminology

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Introduction

The present document has been developed to give a summary of the role of ETSI's standards, and those in associated SDOs, that support the mandates and recommendations found in the EU's AI Act [i.1]. The content is indicative and as such there may be standards that have been overlooked and therefore not considered in the mapping.

1 Scope

The present document provides an analysis of the standardization requirements of the AI Act [i.1] against the workplan of ETSI (across all TBs) in order to identify gaps and the means to fill them.

NOTE: The present document is a Technical Report and contains no requirements, however the text does contain quotes from the AI Act [i.1] where mandates are stated, but where quoted these have no normative effect.

2 References

2.1 Normative references

Normative references are not applicable in the present document.

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents may be useful in implementing an ETSI deliverable or add to the reader's understanding, but are not required for conformance to the present document.

[i.1] Regulation (EU) 2024/1689 of the European Parliament and of the Council of 13 June 2024 laying down harmonised rules on artificial intelligence and amending Regulations (EC) No 300/2008, (EU) No 167/2013, (EU) No 168/2013, (EU) 2018/858, (EU) 2018/1139 and (EU) 2019/2144 and Directives 2014/90/EU, (EU) 2016/797 and (EU) 2020/1828 (Artificial Intelligence Act).

[i.2] ETSI TR 104 029: "Securing Artificial Intelligence (SAI); Global Ecosystem".

[i.3] ETSI White Paper 52: "ETSI Activities in the field of Artificial Intelligence Preparing the implementation of the European AI Act".

[i.4] ETSI White Paper 61: "ETSI Technology Radar".

[i.5] Lisbon Treaty: "Consolidated Versions Of The Treaty On European Union And The Treaty On The Functioning Of The European Union".

[i.6] European Union: "Charter of Fundamental Rights of the European Union".

[i.7] ETSI Directives.

[i.8] ETSI FORGE.

[i.9] ETSI SAREF source files.

[i.10] ETSI GR SAI 001 (V1.1.1): "Securing Artificial Intelligence (SAI); AI Threat Ontology".

NOTE: Updated by ETSI TS 104 050 [i.20].

[i.11] ETSI GR SAI 006 (V1.1.1): "Securing Artificial Intelligence (SAI); The role of hardware in security of AI".

[i.12] ETSI GR SAI 009 (V1.1.1): "Securing Artificial Intelligence (SAI); Artificial Intelligence Computing Platform Security Framework".