

# ETSI TS 119 478 V1.1.1 (2026-01)



TECHNICAL SPECIFICATION

**Electronic Signatures and Trust Infrastructures (ESI);  
Specification of interfaces related to Authentic Sources**

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**Reference**

DTS/ESI-0019478

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**Keywords**API, authentication, authorization, EUDI Wallet,  
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## Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Electronic Signatures and Trust Infrastructures (ESI).

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## Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

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## Executive summary

Article 45e of the amended eIDAS-Regulation (EU) No 910/2014 [i.33] obliges the EU Member States to ensure from 24 December 2026 onwards, that qualified trust service providers are able to verify at least the attributes listed Annex VI of the regulation, wherever those attributes rely on authentic sources within the public sector, at the request of the user. The present document specifies the interface for this purpose.

Furthermore, the present document also specifies a second interface, which allows to retrieve additional attributes of the user upon request, if supported by the involved authentic sources.

The present document specifies the necessary technical framework for the required access of the involved authentic sources, which includes architectures, components, interfaces, protocols and data structures.

# 1 Scope

Article 45e of the amended eIDAS-Regulation (EU) No 910/2014 [i.33] obliges the EU Member States to ensure until 24 December 2026, that qualified trust service providers are able to verify at least the attributes listed Annex VI of the Regulation, wherever those attributes rely on authentic sources within the public sector, at the request of the user.

Article 9 of CIR (EU) 2025/1569 [i.11] provides more information with respect to the verification mechanism, which can involve single points of verification for the attributes listed in Annex VI. Such a verification access point receives the attributes and the identification data of the subject of the attribute as input (see Article 9 (3) of [i.11]) and returns a verification result, which exclusively states whether the attribute under consideration has been verified or not, and the public sector body responsible for the authentic source or, where applicable, the public sector body designated to act on behalf of the authentic source against which the attribute has been verified (see Article 9 (4) of [i.11]).

According to Article 10 (1) of CIR (EU) 2025/1569 [i.11], the "Member States may refer to and re-use the common services of the technical system set out in Article 14 of regulation (EU) 2018/1724 [i.35], as well as the national components connected to them". In a similar manner, according to Article 10 (2) of CIR (EU) 2025/1569 [i.11], "the European Commission shall refer to and re-use, where appropriate, the common services of the technical system pursuant to regulation (EU) 2018/1724 [i.35]". To be able to profit from the functionality of these services, the present document introduces in clause 5 the **Discover Interface**, which allows to access the semantic repository and the data services directory within the common services of the OOTS. The **I1 (Discover)** interface described in clause 5 is an HTTP-based interface according to ISO 15000-3 [24], as profiled by the European Commission in [i.16]. Annex A of the present document contains an OpenAPI specification [27] for this interface.

The present document specifies in clause 6 the **Authentic Source Interface**. The **I2 (Verify)** interface allows to verify attributes against the content stored in an authentic source as requested in Article 45e of the amended eIDAS-Regulation (EU) No 910/2014 [i.33]. In addition, an optional **I3 (Retrieve)** interface is specified, which allows to retrieve attributes from an authentic source, or an intermediary acting on behalf the authentic source.

The Authentic Source Interface specified in the present document contains in clause 6.1 an **HTTP-based** Application Programming Interface (API), which corresponding OpenAPI specification [27] is provided in Annex B of the present document. Furthermore, the present document also specifies in clause 6.2 a second **ISO 15000-based** interface, which utilizes the electronic delivery mechanisms according to ISO 15000-2 [23].

Moreover, according to Article 9 (5) of [i.11], the "Member States may impose access controls or other verification mechanisms that provide integrity, authenticity, and confidentiality to determine that the requester is a qualified trust service provider and is acting at the request of a legitimate user". For the HTTP-based API, clause 6.1.3 specifies such an authorization mechanism based on the OAuth 2.0 authorization framework according to IETF RFC 6749 [6] and related standards. For the ISO 15000-based interface, the qualified trust service status is verified and the trust service provider is registered as client in advance, under procedures out of scope of the present specification. In this case the evidence that the client is acting at the request of a legitimate user is also gathered before the request under procedures out of scope of the present specification.

The present document specifies the necessary technical framework for the required access of the involved authentic sources, which includes architectures, components, interfaces, protocols and data structures.

Note, that policy and security requirements for the involved resource service endpoints are beyond the scope of the present document.