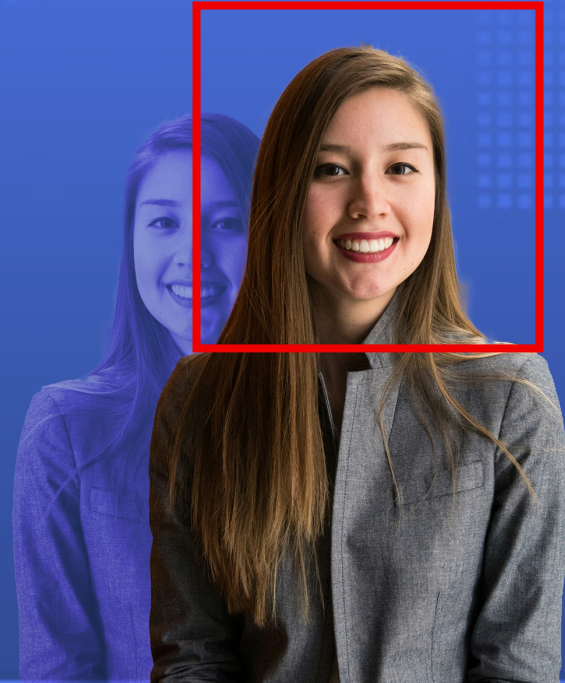# 1Kosmos Healthcare

Support for the Trusted Exchange Framework and Common Agreement (TEFCA) for Individual Access Services (IAS) specifications.

Healthcare organizations face challenges in meeting the rigorous identity proofing and authentication standards set by the Trusted Exchange Framework and Common Agreement (TEFCA) for Individual Access Services (IAS). Compliance with NIST 800-63-3 Identity Assurance Level 2 (IAL2) and Authentication Assurance Level 2 (AAL2) is essential for secure health information exchange but can be complex and resource intensive.

1Kosmos provides a robust, Kantara Initiative-certified solution that meets these requirements. The platform is specifically designed to support NIST 800-63-3 IAL2 and AAL2 standards, ensuring secure and reliable digital interactions within the healthcare sector while aligning with TEFCA IAS guidelines.

> **1Kosmos provides a robust, Kantara Initiative-certified solution that meets these requirements.**

TEFCA IAS:
1Kosmos' IAL2 and AAL2 solutions are tailored to meet the specific needs of TEFCA IAS by:

- Ensuring secure identity proofing and authentication for healthcare data exchange.
- Supporting interoperability and compliance with NIST standards.
- Providing a seamless user experience while maintaining high levels of security.

By leveraging its blockchain-powered identity platform and advanced authentication technologies, 1Kosmos enables healthcare organizations to meet TEFCA IAS requirements effectively, ensuring secure and equitable access to digital services.

Overview of 1Kosmos' IAL2 Offering:

1Kosmos provides identity proofing services that comply with the NIST SP 800-63A-3 guidelines for IAL2. The platform leverages advanced technologies to ensure secure and accurate identity verification while maintaining user convenience. Key features include:

- **Remote Identity Proofing:** 1Kosmos enables remote identity proofing by validating identity documents and biometrics against authoritative sources. This process ensures compliance with IAL2 requirements while reducing the need for in-person verification.

- **Evidence Validation:** The platform supports multiple combinations of evidence quality to achieve IAL2, such as:

    - One piece of superior or strong evidence (like a Real ID driver's license) validated with the issuing source.

    - Two pieces of strong evidence (like a regular driver's license and a passport).

- **Blockchain-Powered Identity:** 1Kosmos uses a distributed ledger to securely store and manage identity data, ensuring reusable identities, immutability and transparency.

- **Compliance with TEFCA IAS:** The platform aligns with TEFCA IAS requirements by providing a high level of assurance for identity proofing, which is critical for secure data exchange in healthcare.

Overview of 1Kosmos' AAL2 Offering:

1Kosmos delivers authentication services that meet the NIST SP 800-63B-3 guidelines for AAL2. These services ensure secure access to systems and data while maintaining a seamless user experience. Key features include:

- **Multi-Factor Authentication (MFA):** The platform supports passwordless MFA using biometrics, cryptographic authenticators, or hardware tokens, ensuring compliance with AAL2 requirements.

- **Biometric Authentication:** 1Kosmos leverages advanced biometric technologies, such as facial recognition and fingerprint scanning, to provide a secure and user-friendly authentication experience.

- **FIDO2 Certification:** The platform is FIDO2 certified, ensuring adherence to industry standards for strong authentication at AAL2.

- **Compliance with TEFCA IAS:** The platform aligns with TEFCA IAS requirements by providing multiple authenticator types at AAL2, which is critical for secure data exchange in healthcare.

Compliance Mapping

TEFCA Requirement	1Kosmos Implementation	Technical Standard
NIST IAL2 Identity Proofing	AI-driven documentation verification + liveness check	NIST SP 800-63B 6 8
HIPAA-compliant encryption	AES-256 + TLS 1.3 with FIPS 140-2 modules	NIST SP 800-175B 6 13
Consent Documentation	Smart contact-based consent receipts with W3C Verifiable Credentials	HL7 FHIR Consent resource 6 13
Data Portability	FHIR API endpoints with SMART on FHIR authorization	HL7 FHIR R4 4 6
Incident Response	Automated SOC2-comppliant monitoring with 1-hour breach notification	HITRUST CSF 8 14

About 1Kosmos
1Kosmos enables remote identity verification and passwordless multi-factor authentication for workers, customers and residents to securely transact with digital services. By unifying identity proofing, credential verification and strong authentication, the 1Kosmos platform prevents identity impersonation, account takeover and fraud while delivering frictionless user experiences and preserving the privacy of users' personal information. 1Kosmos performs millions of authentications daily for government agencies and some of the largest banks, telecommunications, higher education, and healthcare organizations in the world.