

UNJSPF Blockchain-based Digital Identity Solution for Proof-of-Life

This paper presents the insights of a four-year journey of implementing a cutting-edge Digital Identity Solution for Proof-of-Life in the United Nations Joint Staff Pension Fund (UNJSPF)

THE CHALLENGE

1 Over 70,000 retirees
190+ Countries

2 Legacy system
Paper-based Certificates of Entitlement (CE)

3 Issues:
Delays, Errors, Lost Mail, Fraud, High Admin Costs



KEY TECHNOLOGIES

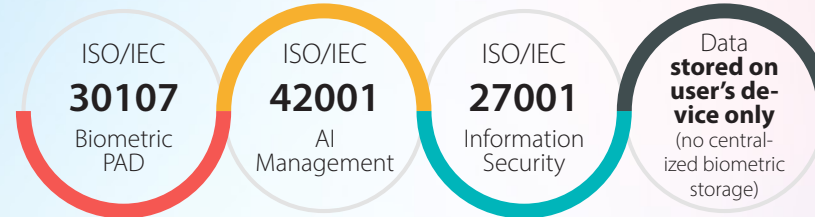
1 Blockchain
Tamper-proof ledger, transaction transparency.

2 AI
Liveness detection, anti-spoofing (deep fake prevention).

3 Biometrics
Facial recognition for secure ID.

4 Geo-localization
Confirms beneficiary's location.

SECURITY & COMPLIANCE



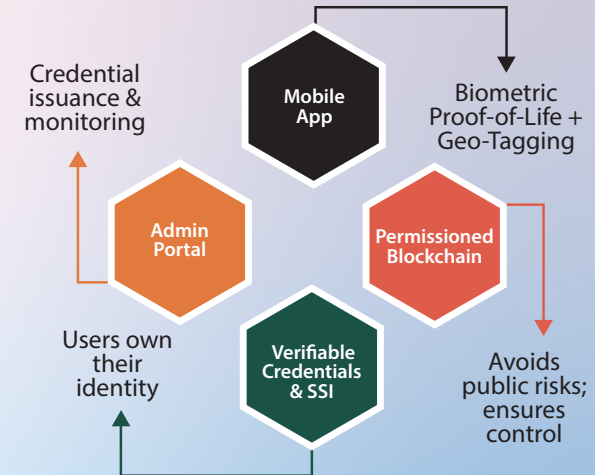
BEYOND UNJSPF: GLOBAL INFLUENCE

Inspired the UN Digital ID initiative.

Supports UN 2.0 & SDG 16.9 (legal identity for all)

Model for secure, scalable digital ID systems across international agencies

CORE FEATURES



Pilot in 2021:
250 testers across 40 countries

DEPLOYMENT & ADOPTION

Optional enrolment; parallel paper-based process still available

Kiosk mode: ensures accessibility in low-connectivity regions

IMPACT & BENEFITS



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