

CLASSIFIED PILOT FRAMEWORK: PROJECT SHIELD

Privacy-First Employment Verification System for the United Kingdom

A Legal, Technology-Enabled Solution to Illegal Work Enforcement Without
Surveillance Infrastructure

***MISSION SUMMARY:** This submission presents a preemptive, evidence-based alternative to divisive enforcement policies that risk creating racial profiling and civil liberties violations. Project SHIELD offers Parliament a third way—strengthening border security and employment compliance through cryptographic verification rather than citizen surveillance. Independently architected under the Sovereign Architect Framework by Obinna Patrick.*

FOR CONSIDERATION BY: House of Commons Library, Petitions Committee, and
Parliamentary Researchers

CLASSIFICATION: Public Release

DATE: September 2025

Executive Abstract

This evidence submission presents Project SHIELD, a technologically sophisticated and legally compliant alternative to the proposed national digital identity scheme ("BritCard") for employment verification purposes. In response to significant public opposition—evidenced by petitions attracting over 500,000 signatures—Parliament requires policy solutions that address illegal employment without establishing centralised surveillance infrastructure.

Project SHIELD employs citizen-controlled Verifiable Credentials and Zero-Knowledge Proofs to enable employers to verify employment eligibility instantly and securely. This employer-facing system strengthens enforcement capabilities, reduces administrative burden on legitimate businesses, and preserves the privacy rights of UK residents. The submission outlines the technical framework, proposes a 90-day pilot implementation, details comprehensive governance safeguards, and invites parliamentary scrutiny of the complete open-source proposal.

This framework offers Parliament a practical pathway for achieving stated policy objectives while maintaining the fundamental rights and freedoms that define British democratic society.

1. Current System Deficiencies

1.1. The United Kingdom confronts a critical enforcement gap in employment verification. The existing paper-based system imposes significant administrative burdens on employers while remaining vulnerable to sophisticated document fraud. This creates compliance risks for legitimate enterprises and fails to prevent illegal employment effectively.

1.2. The government's proposed remedy—a compulsory national digital identity card ("BritCard")—has generated substantial public resistance due to legitimate civil liberties concerns. Such centralised architecture risks establishing permanent mass surveillance infrastructure, creates vulnerability to large-scale data breaches, and carries high probability of "function creep" beyond its stated purpose.

1.3. A mandatory digital identity scheme raises additional concerns regarding implementation cost (estimated in billions) and social inclusion. The proposal risks marginalising citizens lacking digital literacy, smartphone access, or those with principled objections to state-managed digital identity.

2. Proposed Solution: Project SHIELD Architecture

2.1. Project SHIELD represents a decentralised, privacy-by-design framework addressing employment verification without requiring national identification infrastructure. Under this model, the Home Office issues single-purpose,

cryptographically signed Verifiable Credentials to individuals, stored in secure digital wallets on personal devices. Employment eligibility verification occurs through Zero-Knowledge Proofs presented to prospective employers, with verification conducted via secure API calls returning binary responses. No personal data transfers occur between parties.

2.2. This architecture satisfies the government's legitimate enforcement interests while fundamentally protecting citizen rights. The system prevents creation of central databases linking citizens to employment activities, renders surveillance architecturally impossible, and maintains individual data sovereignty. Project SHIELD functions as a verification mechanism, not an identification system.

3. Implementation Framework: 90-Day Pilot

3.1. A comprehensive pilot blueprint has been developed to test Project SHIELD's feasibility and effectiveness in operational environments. The pilot targets three distinct sectors—NHS administrative recruitment, university student enrolment, and local authority housing applications—ensuring system robustness across diverse use cases.

3.2. The 12-week implementation schedule encompasses technical setup, component development, integration testing, live operation, and comprehensive analysis phases. Continuous oversight by independent security and privacy auditors, with civil society organisation input, ensures accountability and transparency.

3.3. Success metrics have been established: - **Verification Speed:** Sub-3-second response target - **Employer Adoption:** 90% utilisation among pilot partners - **Audit Compliance:** Continuous immutable transaction log monitoring - **User Satisfaction:** 90% approval rating from participant feedback

4. Governance Framework and Legal Safeguards

4.1. Project SHIELD maintains full compliance with GDPR and Data Protection Act 2018 requirements, adhering strictly to data minimisation and purpose limitation principles.

4.2. Individual participation remains entirely voluntary. Non-digital, paper-based verification pathways will be maintained as equal and accessible alternatives, ensuring universal inclusion.

4.3. Implementation governance incorporates robust legal safeguards: - **Sunset Provisions:** Mandatory system decommissioning post-pilot unless new legal framework is publicly established - **Use-Lock Architecture:** Legal and technical prevention of system expansion beyond employment verification - **Independent Oversight:** Statutory body with full audit log access to monitor compliance and prevent misuse

5. Parliamentary Considerations

5.1. Project SHIELD demonstrates that strengthening employment enforcement and supporting business compliance can be achieved without compromising civil liberties fundamental to British constitutional democracy.

5.2. This approach directly addresses public surveillance concerns while providing more efficient, secure, and cost-effective implementation than centralised national identity schemes. Parliament is encouraged to review the comprehensive technical and policy framework as constructive contribution to ongoing legislative deliberations.

6. Supporting Documentation

6.1. **Complete Technical Framework:** All specifications, documentation, and implementation details are available for public review and parliamentary scrutiny via open-source repository: - <https://github.com/obinnpatrick/project-shield>

6.2. **Detailed Policy Documents:** - [Executive Brief \(PDF\)](#) - [Pilot Implementation Blueprint \(PDF\)](#) - [Complete Written Evidence \(PDF\)](#).

Submitted by:

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Under the Sovereign Architect Framework

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