

### Document Title: Interface Control Document - Digitalization of Admissibility Project (OneID)

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**Project :** Digitalization of Admissibility

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| **Version** | **Date** | **Description of Changes** | **Author** |
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| 1.0 | YYYY-MM-DD | Initial creation of the document. | [Author Name] |
| 1.1 | YYYY-MM-DD | Updated interface specifications for digital wallet. | [Author Name] |
| 1.2 | YYYY-MM-DD | Added security protocol details. | [Author Name] |

**1. Introduction**  
1.1 **Purpose:** This document details the interface specifications for the Digitalization of Admissibility project to ensure interoperability between the digital identity wallet, airline check-in systems, and government verification services.

1.2 **Scope:** This ICD covers all digital interfaces, including APIs, data formats, and protocols required for the integration of the OneID system components.

1.3 **System Overview:** A brief overview of the OneID system architecture, highlighting the main components that will interface with one another.

1.4 **Reference Documents:** List of all documents that the ICD references or that provide additional context, such as system architecture documents, data protection regulations, and API documentation.

**2. Interface Description**  
2.1 **Physical Interfaces:** Not applicable, as this project deals with digital services.

2.2 **Logical Interfaces:**

* **Passenger Digital Identity Wallet to Airline Check-In System:** API specifications, authentication mechanisms, and data models.
* **Airline Check-In System to Government Verification System:** Protocols used for querying passenger admissibility status, data encryption standards, and response handling.

**3. Interface Protocols and Standards**  
3.1 **Communication Protocols:**

* HTTP/HTTPS for RESTful services.
* WebSocket for real-time data exchange where necessary.

3.2 **Data Formats and Standards:**

* JSON for data interchange format.
* XML for certain government interfaces requiring legacy support.

**4. Interface Requirements**  
4.1 **Security Requirements:**

* OAuth 2.0 for authorization.
* JWT (JSON Web Tokens) for information exchange.
* TLS 1.3 for transport security.

4.2 **Performance Requirements:**

* API response times should not exceed 500ms.
* System throughput to support at least 1000 requests per minute.

4.3 **Availability Requirements:**

* The system should maintain 99.9% uptime excluding planned maintenance windows.

**5. Interface Operations**  
5.1 **Normal Operations:** Detailed sequence diagrams for standard operations like document verification and boarding pass issuance.

5.2 **Exception Conditions:** Handling of error conditions such as invalid credentials, system unavailability, and data inconsistencies.

**6. Data Dictionary**  
6.1 **Data Elements Descriptions:** Detailed definitions, data types, and structures for all data elements exchanged between interfaces.

**7. Interface Control**  
7.1 **Change Management:** Process for managing changes to interface specifications, including versioning and stakeholder notification.

7.2 **Version Control:** Strategy for API versioning, deprecation plans, and backward compatibility.

**8. Interface Testing**  
8.1 **Testing Strategy:** How the interfaces will be tested, including the use of mock services, automated tests, and test environments.

8.2 **Test Cases:** Specific test cases to validate each interface, including positive and negative scenarios.

8.3 **Test Schedule:** Timelines for testing phases, responsible parties, and milestones.

**9. Supporting Information**  
9.1 **Contact Information:** Details of contact persons for each interfacing component.

9.2 **Acronyms and Abbreviations:** Explanation of all acronyms and abbreviations used in the document.

**Appendices**

**Appendix A:** Additional Information

* Detailed API endpoints and method descriptions.

**Appendix B:** Glossary

* Terms and definitions specific to the project.