

**Document :** Interface Control Document (ICD) – IATA

**Project :** Digitalization of Admissibility

**Version :**  1.0

**Status :** Initial

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    - Normal processing steps (Integration Design)
    - Triggers events and schedules
    - Input Message Format
    - Output Message Format
      * Message Format
      * Message Layout
      * Header Format
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    - Special Scenarios Processing Steps
      * Flight Return
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      * Multileg Flights
      * Flight Cancellation
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    - Communication Method & Protocol
      * Initiation
      * Communication Protocol
      * Flow Control
        + Validation
        + Error Handling
        + Failover and Resilience
    - Configurable Parameters
    - Security Requirements
    - Availability and Performance
      * Service Level Agreement
      * RTO
      * RPO
  + SPECIFICATIONS FOR CONNECTION TRANSFER MATRIX
    - Normal processing steps (Integration Design)
    - Triggers events and schedules
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      * Message Format
      * Message Layout
      * Header Format
      * Payload Format
      * Message sample
    - Special Scenarios Processing Steps
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        + Validation
        + Error Handling
        + Failover and Resilience
    - Configurable Parameters
    - Security Requirements
    - Availability and Performance
      * Service Level Agreement
      * RTO
      * RPO
  + SPECIFICATIONS FOR PROGRESSIVE PASSENGERS LOAD
    - Normal processing steps (Integration Design)
    - Triggers events and schedules
    - Input Message Format
    - Output Message Format
      * Message Format
      * Message Layout
      * Header Format
      * Payload Format
      * Message sample

**1. DOCUMENT CONTROL**

* **1.1 DISTRIBUTION LIST**
  + Include names and roles of individuals who have access to the document, such as project managers, IT staff, stakeholders, and partners.
* **1.2 REFERENCES**
  + List all documents, standards, and materials referenced in this document.
* **1.3 TERMINOLOGY**
  + Define specific terms, acronyms, and abbreviations used in the document, such as "VC" (Verifiable Credential), "Digital Identity Wallet", and "Check-in Process".

**2. INTRODUCTION**

* **2.1 OVERVIEW**
  + Briefly describe the digitalization of admissibility, emphasizing the shift from paper-based to digital travel documents and the use of a digital identity wallet.
* **2.2 PURPOSE**
  + Explain the purpose of the document, which is to outline the data mapping and process flow for digital admissibility in the airline industry.
* **2.3 SCOPE**
  + Delimit the scope of the project, specifying the aspects of the digitalization of admissibility that will be covered, such as the issuance of digital travel documents, storage in a digital wallet, and verification processes.
* **2.4 PARTIES AND RESPONSIBILITIES**
  + **2.4.1 Actors & Stakeholders**
    - Detail the roles and responsibilities of each party involved in the process, including passengers, airlines, government authorities, and technology providers.
  + **2.4.2 Contact Information**
    - Provide contact information for key personnel and departments involved in the project.

**3. ASSUMPTIONS & CONSTRAINTS**

* Outline assumptions made during the planning process, such as the availability of technology and compliance with regulations.
* List constraints, including technological, regulatory, and time constraints affecting the project.

**4. INTERFACE DETAILED SPECIFICATIONS**

For each interface or component like "digital matricx "Connection Transfer Matrix", detail the specifications:

* **4.1 SPECIFICATIONS FOR PUBLISHLOADINFO**
  + **4.1.1 Normal processing steps (Integration Design)**
    - Describe the sequence of steps for normal operations, including data flow between systems.
  + **4.1.2 Triggers events and schedules**
    - Identify what events trigger processes and define the scheduling of data sharing.
  + **4.1.3 Input/Output Message Format**
    - Specify the structure and format of the messages exchanged, including headers, payload, and encoding.
  + **4.1.5 Special Scenarios Processing Steps**
    - Explain how exceptional situations like flight returns or diversions are handled.
  + **4.1.6 Communication Method & Protocol**
    - Detail the protocols and methods used for communication and data exchange between systems.
  + **4.1.9 Availability and Performance**
    - Define the service level agreements (SLAs), recovery time objectives (RTO), and recovery point objectives (RPO).

**5. APPENDIX**

Include appendices for detailed technical specifications, sample messages, and code sets:

* **5.1.1 Appendix A: Message Format (XSD)**
  + Provide XML Schema Definitions for message structures.
* **5.1.2 Appendix B: Sample Messages**
  + Show examples of messages used in communications.
* **5.1.3 Appendix C: Code Sets**
  + List all code sets used within the system, including classifications, status codes, and any other enumerations.

This structure will guide the detailed documentation of the digitalization of admissibility, ensuring that all aspects of data mapping and process specification are covered comprehensively.