**Data mapping** for the "Digitalization of Admissibility" process involves identifying the specific data elements that are transferred between systems and stakeholders at each step of the process. Here’s how data mapping aligns with the roadmap steps:

| **Item** | **Source** | **Destination** | **Mapping Description** |
| --- | --- | --- | --- |
| Passport Number | Digital Identity Wallet | Airline Check-in System | Used to verify passenger identity and check document validity. |
| Visa Details | Digital Identity Wallet | Airline Check-in System | Ensures passenger has necessary visas for destination. |
| Name | Digital Identity Wallet | Airline Check-in System | Matches the passenger's name with the booking details. |
| Date of Birth | Digital Identity Wallet | Airline Check-in System | Used for identity verification and to match booking details. |
| Nationality | Digital Identity Wallet | Airline Check-in System | Checked to ensure compliance with travel regulations. |
| Document Expiry Date | Digital Identity Wallet | Airline Check-in System | Confirms that travel documents are valid for the duration of the trip. |
| Biometric Data | Digital Identity Wallet | Verification System | Used for biometric verification against government records. |
| Travel Itinerary | Airline Booking System | Airline Check-in System | Verifies that the itinerary matches the passenger's booking. |
| Boarding Pass Details | Airline Check-in System | Passenger (via Wallet/App) | Generated post successful verification and sent to the passenger. |
| Government Approval Status | Government Databases | Verification System | Confirms that the passenger is cleared for travel. |
| Security Check Status | Airport Security System | Airline Check-in System | Indicates whether the passenger has passed the security checks. |

1. **Initiation and Scope Definition**
   * **Data Elements**: Project objectives, scope documents.
   * **Mapping**: From project initiation documents to project management tools and stakeholder briefs.
2. **Stakeholder Engagement**
   * **Data Elements**: Requirements, feedback, expectations.
   * **Mapping**: From stakeholder meetings and communications to requirements documentation and project plans.
3. **Technology Assessment and Selection**
   * **Data Elements**: Technical specifications, platform capabilities.
   * **Mapping**: From vendor proposals and technical evaluations to technology selection reports and implementation plans.
4. **Regulatory Compliance and Partnership**
   * **Data Elements**: Compliance requirements, legal standards, digital document specifications.
   * **Mapping**: From regulatory guidelines and partnership agreements to system design specifications and compliance checklists.
5. **System Development and Integration**
   * **Data Elements**: User credentials, digital document formats (e.g., e-passport, e-visa).
   * **Mapping**: From system development artifacts (like design documents and code repositories) to integrated system components and database schemas.
6. **Pilot and Testing**
   * **Data Elements**: Test cases, user feedback, performance metrics.
   * **Mapping**: From pilot project plans and testing protocols to test results reports and system refinement documents.
7. **Full-Scale Implementation**
   * **Data Elements**: Passenger data, travel documents, check-in transactions.
   * **Mapping**: From the digital identity wallet and airline check-in systems to boarding pass issuance systems and passenger records databases.
8. **Monitoring and Continuous Improvement**
   * **Data Elements**: System usage statistics, user feedback, incident reports.
   * **Mapping**: From monitoring tools and feedback channels to performance improvement plans and system updates.
9. **Expansion and Scalability**
   * **Data Elements**: Additional user profiles, extended travel document types, new airline system interfaces.
   * **Mapping**: From expansion project plans and scalability assessments to updated system configurations and databases.
10. **Long-Term Strategy and Innovation**
    * **Data Elements**: Market trends, technology updates, innovation opportunities.
    * **Mapping**: From industry reports and research studies to strategic planning documents and technology roadmap updates.

This data mapping ensures that each step of the roadmap is supported by specific data elements and their flow across the system, facilitating effective communication, development, and operation of the digital admissibility process.

To create a detailed document file for data mapping, including tables and data paths for the "Digitalization of Admissibility" process, I'll outline the structure and then generate a text representation of what would typically go into such a document.

**Data Mapping Document for Digitalization of Admissibility**

1. Introduction

* **Purpose**: Define the data elements and their flow in the digitalization of admissibility for airline passengers.
* **Scope**: Covering all stages from initial stakeholder engagement to long-term strategy and innovation.

2. Data Mapping Overview

* **Description**: Overview of the data mapping process, including the key data elements and systems involved.

3. Data Mapping Details

| **Step** | **Data Elements** | **Source** | **Destination** | **Data Path** |
| --- | --- | --- | --- | --- |
| Initiation and Scope Definition | Project objectives, scope documents | Project initiation meetings | Project management tools | Initiation docs → Project plans |
| Stakeholder Engagement | Requirements, feedback | Stakeholder communications | Requirements documentation | Feedback → Requirements specs |
| Technology Assessment and Selection | Technical specifications | Vendor proposals, technical evaluations | Technology selection reports | Tech specs → Selection reports |
| Regulatory Compliance and Partnership | Compliance requirements | Regulatory guidelines | System design specifications | Compliance data → System specs |
| System Development and Integration | User credentials, document formats | Development artifacts | Integrated system components | Design docs → System components |
| Pilot and Testing | Test cases, user feedback | Testing protocols | Test results reports | Test plans → Test results |
| Full-Scale Implementation | Passenger data, travel documents | Digital identity wallet, check-in systems | Passenger records databases | Wallet/check-in → Passenger records |
| Monitoring and Continuous Improvement | System usage statistics, feedback | Monitoring tools, feedback channels | Performance improvement plans | Usage data → Improvement plans |
| Expansion and Scalability | Additional user profiles | Expansion project plans | Updated system configurations | Expansion plans → System updates |
| Long-Term Strategy and Innovation | Market trends, technology updates | Industry reports, research studies | Strategic planning documents | Market research → Strategic plans |

4. Data Path Descriptions

* Detailed descriptions of each data path, explaining how data moves from source to destination and the transformations or processes it undergoes.

5. Appendices

* **Appendix A**: Data Element Definitions
* **Appendix B**: Acronyms and Abbreviations

6. References

* Documentation of sources, standards, and methodologies referenced in the data mapping process.

**Document Creation**

To create this document, the information would typically be gathered through project meetings, system analyses, and consultations with stakeholders, then formatted into a clear, structured document. Since the actual document creation and detailed data path descriptions would require extensive information specific to the organization and systems in use, the above table and structure provide a conceptual framework for what such a document would include.

For a real-world application, this document would be created using a document editor like Microsoft Word or Google Docs, incorporating tables, diagrams, and detailed text explanations to comprehensively cover the data mapping process.

### Booking Entity Mapping

| Item | Mapping |
| --- | --- |
| accountingCity | /ItineraryRef/@AccountingCity |
| accountingCode | /ItineraryRef/@AccountingCode |
| bookingAttributes | “BSG” if /CustomerInfos/CustomerInfo /Customer/TPA\_Extensions /BlockedSpaceGroup is in the XML |
| bookingDate | /UpdatedBy/@CreateDateTime |
| bookingStatus | Set to 1 |
| bookingType | 2 for PNRs that have a /CustomerInfos/Customer/PersonName/TPA\_Extensions/CorporateName/@Ind = true  1 otherwise |
|  |  |
| codeShareFlag | /ItineraryRef/@CodesharePnr |
| creatingAgentSignature | /UpdatedBy/TPA\_Extensions/Source/@AgentSine |
| creatingIataCode | /ItineraryRef/BookingSource/POS/@IataNumber |
| creatingPseudoCityCode | /ItineraryRef/BookingSource/POS/@ArrangerId |
| gdsCode | /ItineraryRef/BookingSource/@CrsCode |
| gdsInHouseIdentification | /UpdatedBy/TPA\_Extensions/Source/@HomePseudoCityCode |
| gdsRloc | /ItineraryRef/BookingSource/@Locator |
| groupName | /CustomerInfos/Customer/PersonName/TPA\_Extensions/CorporateName/Name for PNRs that have a /CustomerInfos/Customer/PersonName/TPA\_Extensions/CorporateName/@Ind = true |
| officeStationCode | /ItineraryRef/@OfficeStationCode |
| posCity | /ItineraryRef/BookingSource/POS/@ArrangerLocation |
| reservationCount | /ItineraryInfo/ReservationItems/Item[1]/Air[1]/@NumberInParty |
| resPurgeDate | /ItineraryInfo/ReservationItems/Item[last()] /Air/@DepartureDateTime |
| rloc | /ItineraryRef/@ID |
| ticketingCarrier | /ItineraryRef/@TicketingCarrier |
| transactingAgentSignature | Same as creating agent signature |
| transactingIataCode | Same as creating iata code |
| transactingPseudoCityCode | /UpdatedBy/TPA\_Extensions/Source/@PseudoCityCode |
| versionNumber | /SabreASDS/OTA\_TravelItineraryRS/@SequenceNmbr |
| versionTimestamp | If pnr.getUpdatedBy().getUpdateDateTime() == null  then  /UpdatedBy/@CreateDateTime |

## Booking Name Entity

### Booking Name Entity Mapping

| Item | Mapping |
| --- | --- |
| contactTelNum | CTCP + “ “ + /CustomerInfos/ CustomerInfo/ Customer/Telephone/@PhoneNumber |
| crsNameLineNum | If true != /CustomerInfos/ CustomerInfo/ Customer/TPA\_Extensions  /CorporateName/@Ind  Then  Cut out dots and parse into number value of:   * /CustomerInfos/ CustomerInfo/ Customer/TPA\_Extensions/NameNumber /@Number |
| firstName | /CustomerInfos/CustomerInfo/Customer/PersonName/GivenName |
| fqtLevel | N/A. |
| fqtNumber | /CustomerInfos/ CustomerInfo/Customer/CustLoyalty/@MembershipID |
| fqtProgram | /CustomerInfos/CustomerInfo/Customer/CustLoyalty/@ProgramID |
| lastName | /CustomerInfos/CustomerInfo/Customer/PersonName/Surname |
| passengerType | If  Customer/PersonName/TPA\_Extension/ CorporateName/@Ind  Then  8  Else if  Customer/PersonName/TPA\_Extension/Infant/@Ind == true  Then  3  Else  1   * 2 if SSR CHLD exists for the name |
| seatCount | If groupName then this is the ReservationCount minus the number of names in the booking. Otherwise this is 1 for normal passengers, 0 for infants |