|  |  |
| --- | --- |
| Use Case | Remote identity proofing for online air flight check-in and using the derived credentials for airport services (e.g. boarding gate and the duty-free shop verifications) |
| Scope | Authentication and Identity Proofing based on ICAO ePassport  Optional biometric enrollment and biometric authentication, derived identity issuance |
| Preconditions | A) A biometric ePassport, ICAO compliant  B) A smart phone with camera  C) Client software capable of reading data from ePassport and of handling face comparison  D) An internet connection |
| Success end-condition | Passengers identity has been confirmed and, depending on the application, derived credential or claims are stored in mobile boarding pass and/or biometric feature is extracted for verification at the boarding gate |
| Primary and secondary actors | Passenger, airline company, airport operator |
| Trigger | i. On the ID proofing app, start the proofing procedure  ii. The app asks the user to present an ePassport page to read the MRZ (two lines of characters at the bottom of the passport data page).  iii. The user needs to place the MRZ in the capture zone. For an easier capture, one should try to place the red line between the two lines of characters.  iv. After the MRZ capture, the application is waiting for the passport chip reading.  v. The passenger (end-user) will have to position the smartphone (NFC antenna being in general on the back) above the passport; easier way is to put the passport on the table and to put the mobile on the passport. One should move the mobile above the passport so the screen changes from above screenshot to following screenshot and then stop moving the mobile. This will enable to authenticate the ePassport’s chip and then retrieve the ID and face data.  vi. Once the chip reading is finished and confirmed, the application will ask the user to capture a face image (face shall correspond to the same user as the one registered in the ePassport).  vii. To have an easy face capture, one should place the mobile at his head level (no capture from below). The smartphone should be placed so that there is the same amount of light everywhere on the face (not one side with too much light “burned” and one side in the dark, the same way one should try to avoid to have the forehead with too much light because of a ceiling light and the other part in dark). Note that once the face is detected, a square will appear on the screen and the user will be asked to turn the head slowly.  viii. Once the capture is done, a verification is launched to verify that the captured face corresponds to the face image read from the chip.  ix. Once the authentication is a successfully completed, the summary screen will appear, with all data read from the ePassport.  x. An optional step after this screen is to set a PIN. In that case, the user will be asked to choose a PIN.  xi. At the end, by clicking on the “Proceed” button, the ID proofing procedure is finalised. |
|  |  |
|  |  |