

ICAO Public Key Directory

ICAO PKD Regulations

Update for ICAO PKD Service 2020



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SECTION 1 – INTRODUCTION

1.1 As part of ICAO's TRIP programme, and as per Recommended Practices 3.91, 3.92 and 3.34.5 of Annex 9 to the Chicago Convention, States should upload their ePassport certifying credentials to the ICAO PKD and regularly download the credentials of other countries from the PKD.

1.2 This document describes the regulations that establish mandate and general operational requirements of the ICAO PKD and define the basic responsibilities of Participants, Users and the PKD Service Operator. It has to be followed by all Participants, ICAO and the Service Operator in the utilization of the PKD.

SECTION 2 – AUTHORITY

These Regulations are issued by ICAO on the basis of Paragraph 3 b) of the *Memorandum of Understanding (MoU) Regarding Participation and Cost Sharing in the Electronic Machine Readable Travel Documents ICAO Public Key Directory (ICAO PKD)*.

SECTION 3 – GENERAL PROVISIONS

3.1 The Public Key Directory will be accessible 24 hours a day, 7 days a week.

3.2 Participants will have access to the ICAO PKD Upload and Download Directory for content upload and download purposes.

3.3 Anonymous users may download ICAO PKD contents through the ICAO PKD Download Website.

3.4 Participants will also have access to the ICAO PKD for queries regarding individual PKD data.

3.5 Technical support by the ICAO PKD Service Operator will be available as outlined in SECTION 14 – HELP DESK AND TECHNICAL SUPPORT.

SECTION 4 – DEFINITIONS

The following definitions apply herein:

Anonymous Users – those entities or individuals who are not Participants in the ICAO PKD but who may download the ICAO PKD contents from the ICAO PKD Download Website.

Certificate Issuing Location (CIL) – a location designated by a Participant from which it will send Document Signer Certificates (DSC), Master Lists (ML), Deviation Lists (DL) and Certificate Revocation Lists (CRL) to the ICAO PKD.

Certificate Revocation List (CRL) – the list issued by a Participant to revoke any of its certificates or to signify that no such revocations exist for any of their certificates.

Council – the Council of the International Civil Aviation Organization.

Country Signing CA (CSCA) – the Certificate Authority for a Participant that is responsible for managing the Country Signing CA Certificate (CSCA) used to sign all State Document Signer Certificates (DSC). The CSCA is the highest trust authority for the Participant in the context of the ICAO PKD.

Country Signing CA Certificate (CSCA) – a Public Key Infrastructure (PKI) certificate containing a Country Signer CA Public Key and other standard information about the Country Signing CA Public Key. A Country Signing CA Certificate is self-signed i.e. it is signed using the corresponding Country Signer CA Private Key.

Country Signing CA Link Certificate – a Public Key Infrastructure (PKI) certificate containing a Country Signer CA Public Key and other standard information about the Country Signing CA Public Key. A Country Signing CA Link Certificate is signed by the same Country Signing CA using the previous Country Signer CA Private Key.

Master List (ML) – A signed list of CSCAs and CSCA Link Certificates.

Country Signing CA Public Key – the public key that may be used to verify the digital signature on certificates (Document Signer Certificates, Master Lists, Country Signing CA Link Certificates), Deviation Lists and Certificate Revocation Lists issued by the Country Signing CA under the corresponding private key.

Deviation Lists (DL) – a signed list of deviations where deviations are defined as MRTDs that contain elements that do not precisely conform to the ICAO specifications and the governing ISO and RFC standards.

Document Signer Certificate (DSC) – a Public Key Infrastructure certificate that contains a Document Signer Public Key and other standard information about the Document Signer Public Key.

Document Signer Public Key – the public key that is used to verify the digital signature on an eMRTD.

eMRTD – a Machine Readable Travel Document (MRTD) that contains a contactless Integrated Circuit (IC) chip within which is stored certain specified MRTD data, a biometric measure of the passport holder, and a security object to protect the data with Public Key Infrastructure cryptographic technology, and that conforms to the specifications set forth in ICAO Doc 9303.

eMRTD Authority (EMA) – the main organizational entity and officer for a Participant responsible for all contents forwarded to the ICAO PKD.

Fees – the contributions (Registration Fee, Annual Fee, User Fee) paid by ICAO Contracting States or other entities for participation in the ICAO PKD.

Fee Schedule – the Schedule included in Attachment B to the MoU that contains charges for the services and facilities of the ICAO PKD, which is established by the PKD Board, in consultation with the Secretary General, and is published and disseminated by the Secretary General.

ICAO – the International Civil Aviation Organization headquartered in Montréal, Quebec, Canada.

ICAO PKD Conformance Website – website which is used to check conformity to ICAO Document 9303 and related international standards of Country Signing CA Certificates (CSCA), Document Signer Certificates (DSC), Master List (ML), Country Signing CA Link Certificates, Deviation Lists (DL) and Certificate Revocation Lists (CRL) issued by Participants prior to the upload to the ICAO PKD.

ICAO PKD Download Website – a website established by the Service Operator to enable accessing entities to download the ICAO PKD data.

ICAO PKD Pre-Production Environment – environment which is technically similar to the ICAO PKD Production Environment. This environment is foreseen as a testing environment for participants to prove the compatibility of software and computer systems used to submit a Participant's eMRTD certificates and revocation lists to the ICAO PKD in a manner specified in the ICAO PKD Interface Specification. The pre-production environment can contain the productive CSCA certificates also used in the live environment so live data may be validated against the live CSCA certificates in a test environment. It may also contain test CSCA certificates upon request so that test data derived from non-productive CSCA-certificates may be tested.

ICAO PKD Download Directory– the read-only version of the ICAO PKD that will be accessible by all participants that need to verify the authenticity of eMRTD data.

ICAO PKD Upload Directory – is the temporary scratch directory into which Participants upload their Document Signer Certificates (DSC), Master Lists (ML), Deviation Lists (DL) and Certificate Revocation Lists (CRL).

ICAO PKD Upload – means the transfer by the Participants of their Document Signer Certificates (DSC), Master Lists (ML), Deviation Lists (DL) and Certificate Revocation Lists (CRL) to the PKD Upload Directory and after an automated check – or a manual check in case of deviations from defined conformance rules - from the PKD Upload to the PKD Download Directory.

ICAO Public Key Directory (ICAO PKD) – the central database serving as the repository of Document Signer Certificates (DSC) (containing Document Signer Public Keys), Deviation Lists (DL) and Certificate Revocation Lists (CRL) issued by Participants and Master Lists (ML) issued by Participants and ICAO, together with a system for their distribution worldwide, maintained by ICAO on behalf of Participants in order to facilitate the validation of data in eMRTDs.

LDAP – Lightweight Directory Access Protocol

Participant – a Contracting State or any other entity issuing or intending to issue eMRTDs who follow these Regulations for participation in the ICAO PKD.

PKD Board – governing body responsible for the oversight and supervision of the ICAO PKD.

PKD Download – a file transfer from the ICAO PKD Download Directory in existence at any given time.

PKD Interface Specification – the specifications developed by the Service Operator and approved by the PKD Board for interfacing with the Public Key Infrastructure developed and implemented by the Service Operator.

PKD MoU – Memorandum of Understanding (MoU) Regarding Participation and Cost Sharing in the Electronic Machine Readable Travel Documents ICAO Public Key Directory (ICAO PKD).

PKD Procedures – the procedures that address administrative issues required by the PKD Regulations as conditions to use the ICAO PKD or otherwise relating to the technical operation and administrative processes of the ICAO PKD.

PKD Query – a request for an individual DSC, ML, Deviation Lists (DL) and any corresponding CRLs in the ICAO PKD Download Directory to locate a certificate reference contained in an eMRTD.

PKD Regulations – the regulations that establish mandate and general operational requirements of the ICAO PKD and define the basic responsibilities of the PKD Service Operator, Participants and Users.

PKI – Public Key Infrastructure.

Secretary General – the Secretary General of the International Civil Aviation Organization.

Service Operator – the entity contracted by ICAO for the establishment and operation of the ICAO PKD in accordance with the System Design Documentation and the Public Key Infrastructure specifications set forth in the latest edition of ICAO Doc 9303.

SECTION 5 – REGISTRATION AS A PARTICIPANT

5.1 ICAO Contracting States or any other entity issuing or intending to issue eMRTDs who follow these Regulations for participation in the ICAO PKD may lodge a Notice of Participation in the PKD. Entities may comprise special administrative regions, territories and organizations.

5.2 In order to become a Participant in the ICAO PKD, it is required to do the following:

- a. Deposit a Notice of Participation with the Secretary General of ICAO (Attachment A).
- b. Deposit a Notice of Registration with the Secretary General of ICAO, as specified in Section 5 (Attachment B).
- c. Effect payment of the Registration Fee to ICAO.
- d. When ready, securely submit to ICAO and all Participants, the CSCA certificates.

SECTION 6 – REGISTRATION – INFORMATION REQUIREMENTS

6.1 To complete a registration and in order to qualify the expected increase of PKD administration workload, prospective Participants are required to submit the following information to ICAO, in the format as provided in Attachment B:

- a. A statement of the estimated number of Document Signer Certificates (DSC), Deviation Lists and CRL sets, including null CRLs that will be issued by the Participant each year.
- b. A statement of the total number of expired and valid CSCA certificates and CSCA Link Certificates together with the usual validity period.
- c. In case Master Lists are issued by the Participant a statement of the estimated number of Master Lists that will be issued by the Participant each year as well as the estimated number of entries per Master List.
- d. The designation of a single officer within the Participant who will be responsible for administrative tasks towards the ICAO PKD as well as policy related topics. These tasks contain but are not limited to handling the registration, yearly payment of participant fees, PKD meetings, managing the CSCA certificates as well as matters concerning compliance of the participant's PKD data to policies and standards. This designation must include the name, title, address, contact information including official email address and phone number, and position of the officer.
- e. The designation of the single officer within the Participant who will be the responsible technical contact for PKD testing and integration and who will be authorized to send Document Signer Certificates (DSC), Master Lists (ML), Deviation Lists (DL) and Certificate Revocation Lists (CRL) to the PKD. This designation must include the name, title, address, contact information including official email address and phone number, and position of the officer, along with information regarding his or her designated senior officer who is responsible for supervision.
- f. The above mentioned information must be submitted and approved by duly authorized persons.

6.2 Upon receipt of the Registration Fee following the Notice of Participation and the information required to complete the registration, ICAO releases the following ICAO documents by e-mail to the designated EMA:

- a. the PKD Procedures for Participants, and
- b. the PKD Interface Specifications.
- c. General technical documentation can be downloaded from the ICAO PKD public website (these PKD Regulations, PKD Key Ceremony Procedures and PKD White Paper included).
- d. The form "Required information for obtaining user account for the PKD ticket system and certificates for pre-production environment". Participants are required to name at least 2 contact persons to obtain user accounts for the PKD support system (ticket system) and start the PKD onboarding process.

SECTION 7 – PAYMENT OF FEES

7.1 All Participants shall pay two sets of fees to ICAO, based on the PKD Fee Schedule of the respective year and following the procedure laid down in the PKD Board Procedure for the PKD Fee Schedule. Those documents are published by ICAO. ICAO provides additional detailed payment instructions upon invoicing.

7.2 A Registration Fee is payable to ICAO upon filing of the Notice of Participation. The appropriate Registration Fee payment must be made in full before any services are provided or any work is carried out by ICAO and the Service Operator on behalf of that Participant to integrate the Participant into the ICAO PKD. The day the ICAO Secretariat receives the Registration Fee is the day when PKD participation becomes effective.

7.3 An Annual Fee is payable to ICAO from the day when PKD participation becomes effective. The Annual Fee consists of the shared-burden part that covers the ICAO budget and the individual per Participant part that covers the Service Operator budget. The payment obligation for the ICAO part starts on the day PKD participation becomes effective. The payment obligation for the Service Operator part starts with active participation (first key ceremony at ICAO HQ Montreal), but latest 15 month after the PKD participation became effective. Pro rata arrangements will be applied to the Annual Fee to account for effective dates other than 1 January. The appropriate Annual Fee payment(s) must be made in full before any services are provided or any work is carried out by ICAO and the Service Operator on behalf of that Participant to integrate the Participant into the ICAO PKD.

SECTION 8 – SECURE SUBMISSION OF CSCA CERTIFICATES

8.1 The CSCA certificate containing the CSCA's Public Key for verification of Document Signer Certificates (DSC) and other PKD contents must be distributed securely to ICAO and all Participants. The CSCA will be securely stored within the ICAO PKD System (HSMs). ICAO compiles a list of EMA and CSCA contacts for dissemination to all new and existing Participants.

8.2 The CSCA certificate must be disseminated by the Participant prior to active PKD participation by means of a Key Ceremony.

8.3 CSCA certificate(s) shall be delivered to ICAO, in person by a designated representative of the Participant. The EMA is required to submit separately and in advance to ICAO the CSCA certificate, the electronic fingerprint of the CSCA certificate and the verifiable details of the Participant's representative, including identification and / or passport numbers. ICAO makes reasonable out-of-band identity checks and verifies the EMA and the Participant's representative before receiving the CSCA.

8.4 The Participant's representative shall be present at the Key Ceremony together with the senior officials of ICAO to witness the import of the Participant's CSCA certificate into the secure PKD facilities at the ICAO Operations Centre.

8.5 Once the Key Ceremony with secure CSCA certificate import is successfully completed all following updates of the CSCA certificate may be carried out using CSCA Link Certificates. In that case the personal presence of a designated representative of the Participant during the Key Ceremony with Link Certificate import is not necessary.

The details about PKD Key Ceremonies can be found in the document "PKD Key Ceremony Procedures."

SECTION 9 – PKD TESTING AND INTEGRATION

9.1 A Participant shall start active participation in the PKD, i.e. PKD Upload (indicated by the commencement of the user testing (UAT) for upload or download access), at the latest fifteen months after PKD participation became effective. This means that PKD testing and integration as well as implementation of the eMRTD certificates and revocation lists issuance process with ICAO and with the Service Operator must start earlier to meet the planned deadline. The Participant shall inform ICAO and the Service Operator when it wishes to commence PKD testing and integration. A start of active participation before the fifteen months deadline is of course possible.

9.2 Participants will be required to make the appropriate Registration Fee payment in full before any services are provided or any work is carried out by ICAO and the Service Operator on behalf of that Participant to integrate the Participant into the ICAO PKD. Actual uploading of a Participant's certificates into the ICAO PKD will likewise not be done until the annual ICAO PKD fees applicable to that Participant have been paid. The detailed regulations for the setting of fees are outlined in the PKD Board Procedure for the PKD Fee Schedule. The resulting figures are outlined in the PKD Fee Schedule for a specific year.

9.3 Participants are required to be familiar with the PKD Procedure for Participants and the PKD Interface Specifications, before starting PKD testing and integration. An update of the information initially provided to ICAO at the point of registration is required if there are any changes. ICAO provides the Participant with contact details of the Service Operator for PKD testing and integration.

9.4 Upon registration in accordance with the procedures set out, Participants will on request be provided with privileged access credentials, the identification of which will be kept secret. A separate set of access credentials is provided on request for access to the PKD Pre-Production Environment by the Service Operator.

9.5 The Service Operator provides support by the means of an online support system as well as live support by telephone to all Participants. The online support system is available 24h and 7 days a week, live telephone support by the Operator is provided 8am - 10pm (German time, on business days).

9.6 The design and implementation of software and computer systems used to submit a Participant's eMRTD certificates and revocation lists to the ICAO PKD are the sole responsibility of the Participant. General support services are provided by the Service Operator for assistance in this regard. Any specific technical services desired by the Participant from the Service Operator can be accommodated through a separate contract or arrangement between the Participant and the Service Operator, without any obligation or involvement of or warranty by ICAO.

The details how to access to PKD Pre-Production environment for testing can be found in the document "PKD Procedures for Participants" provided by ICAO upon successful registration.

SECTION 10 – PKD UPLOAD PROCEDURES

10.1 The Service Operator provides Participants with a secure privileged access for PKD upload on request. Participants shall neither share their access credentials with non-Participants nor with any other Participants.

10.2 New Document Signer Certificates (DSC), Master Lists, Deviation Lists and Certificate Revocation Lists (CRL) issued by an authorized EMA of the Participant will be forwarded by the CIL electronically to the ICAO PKD in a manner specified in the ICAO PKD Interface Specification.

- a. Each DSC should be forwarded preferably 30 days in advance of actual use by the Participant (i.e. signing eMRTD data), except in the case of unusual or urgent situations.
- b. Each Master List should be forwarded to the ICAO PKD whenever the Participant deems necessary.
- c. Each Deviation List should be forwarded to the ICAO PKD whenever the Participant deems necessary.
- d. Ordinary CRLs should be forwarded to the ICAO PKD at least every 90 days. Exceptional CRLs representing real and serious key compromises and consequential revocation of that key by the Participant should be forwarded to the ICAO PKD on an urgent basis whenever such compromises occur. The ICAO PKD is the primary CRL distribution point for Participants.

10.3 New CSCA certificates and CSCA Link Certificates issued by an authorized EMA of the Participant will be provided electronically to the ICAO PKD Office along with its electronic fingerprint for registration and conformance check. The import to the ICAO PKD system is done in a manner specified in the PKD Key Ceremony Procedures.

10.4 Each new CSCA certificate should be announced 90 days in advance but forwarded not less than 30 days in advance of actual use by the Participant (i.e. signing eMRTD data), except in the case of unusual or urgent situations.

10.5 Prior to uploading newly issued Master Lists, Deviation Lists, DSC and CRL or importing new CSCA certificates, participants may check the conformity to ICAO Doc 9303 and related international standards by uploading to the ICAO PKD Conformance Website. This website performs automated checks and provides the results through the website. Such uploads and conformance check requests are protected by secure communications.

10.6 Upon receipt of the uploaded DSCs, Master Lists, Deviation Lists and CRLs in the PKD Upload Directory, a system-level acknowledgement will be automatically sent to the Participant's CIL e-mail address.

10.7 An automated engine will carry out appropriate DSC, Master List, Deviation List and CRL verification and will upon successful verification transfer it to the PKD Download Directory. The transfer will be postponed by a configurable wait period (cool-down period) that gives the Participant the possibility to terminate the upload. Should this occur ICAO will carry out termination.

10.8 Independent from authentication of new PKD contents the conformity to ICAO Doc 9303 and related international standards is scrutinized (cf. PKD Upload Contents Checks). Non-conformant new PKD contents is tagged. For all non-conformant PKD contents error codes are assigned to elaborate the deviations in greater detail. The process of DSC, Master Lists, Deviation Lists and CRL upload to the PKD Download Directory will be accompanied by automated notifications via e-mail to the Participant's CIL and EMA.

10.9 The new DSCs, Master Lists, Deviation Lists and CRL shall be available for public download after the next version update of the PKD Download Directory, not to be later than 6 hours after the wait period ended.

10.10 Upon receipt of the e-mail acknowledgement of successful upload to the PKD Download Directory the CIL shall verify the accuracy of the new DSC, Master Lists, Deviation Lists and CRL and immediately notify ICAO in the event of any discrepancies. If the CIL fails to receive any receipt notification within 2 hours of DSC, Master Lists, Deviation Lists and CRL upload to the PKD Upload Directory, or an approval e-mail notification within 4 business days after the wait period ended, the CIL should follow-up with ICAO immediately.

10.11 As the EMA is notified by the ICAO PKD System of all successfully completed PKD Upload activities of a CIL, it can provide a second level of checks on the accuracy of the contents uploaded to the PKD. In addition, the EMA has the responsibility to ensure that all actions carried out by a CIL are authorized, and that there are no unusual activities.

The details how to access to PKD Production environment for PKD Upload can be found in the document “PKD Procedures for Participants” provided by ICAO upon successful registration.

SECTION 11 – PKD DOWNLOAD PROCEDURES

11.1 The Service Operator provides Participants with a secure privileged access for PKD download on request. Participants shall neither share their access credentials with non-Participants nor with any other Participants.

11.2 It is expected that Participants will perform a PKD Download on a daily basis.

11.3 Only Participants will have PKD Query capability to search for an individual DSC, Master List, Deviation Lists or CRL.

11.4 Participants may access the ICAO PKD Download Directory and request a download.

11.5 PKD Anonymous Users may request a PKD download via the separate web access at the URL <https://download.pkd.icao.int/> and access is subject to their acceptance of the ICAO PKD Terms and Conditions for such download.

11.6 All PKD Download requests will be protected by secure communications.

11.7 Once PKD data is downloaded, Participants and Users are expected to perform an integrity check of the data.

The details how to access to PKD Production environment for PKD Download can be found in the document “PKD Procedures for Participants” provided by ICAO upon successful registration.

SECTION 12 – PKD QUERY

12.1 Only Participants will have PKD Query capability to search for an individual Document Signer Certificates, Master Lists, Deviation Lists or Certificate Revocation Lists.

12.2 Any PKD Query requests will have lower priority than any PKD Download request by other Participants.

12.3 All ICAO PKD Download Directory query requests will be protected by secure communications (TLS).

12.4 Any additional restriction will require the approval of the PKD Board.

The details how to query specific PKD Download data can be found in “PKD Interface Specification for Participants”, which is annex to document “PKD Procedures for Participants” and provided by ICAO upon successful registration.

SECTION 13 – SECURITY

13.1 Participants shall notify the Service Operator of any known or suspected security breaches. The Service Operator may block and / or disable a Participant’s account. ICAO may re-assign new access credentials.

13.2 Notwithstanding the above, ICAO may assign new access credentials to Participants on a regular basis.

SECTION 14 – HELP DESK AND TECHNICAL SUPPORT

14.1 The ICAO Operations Centre offers a Help Desk telephone support for Participants during regular business hours of ICAO (Montreal time, Monday to Friday). This support mainly covers operational, but also technical and other issues.

14.2 Technical support for all participants will be provided by the Service Operator:

- a) through ICAO PKD online support system. This is available for submitting support requests, receiving answers to support requests and secure exchange of documents between the Service Operator, the participant and the ICAO PKD Office in Montreal. This support system is available 24/7.
- b) by email support
- c) by phone support

Support requests are processed on business days during the official support hours (8am – 10pm German time).

14.3 The Help Desk or the Service Operator cannot respond to any queries concerning a Participant’s or User’s own computer or network system, system security policies, Internet access, including its connectivity and performance.

14.4 In addition to the Help Desk operational complaints or any PKD related feedback can be submitted by using the form that is available at the PKD website.

SECTION 15 – REPORTS

15.1 ICAO and the Service Operator will produce appropriate statistics and other operating reports on a regular basis, as established by the PKD Board. These reports will provide various statistics and measurements, such as technical and operational response times, update frequencies by Participants, query and download access requests by entities or other access characteristics of the PKD Download Website. This information will be collected and may be used for review of architectures, technical support resources, ICAO-related activities and other matters.

SECTION 16 – OPERATIONAL COMPLAINTS AND FEEDBACK

16.1 A Participant or User may submit an operational complaint or other feedback to the Service Operator, to the ICAO Secretariat or to the PKD Board. A submission to more than one recipient is possible.

16.2 For the purposes of Paragraph 16.1, a matter “concerning the operation of the ICAO PKD” relates to the implementation of the general procedures and policies of the ICAO PKD and does not involve specific adjudication by the Service Operator or the PKD Board.

16.3 Persons making complaints will substantiate their assertions in writing. The electronic form on the PKD Board website may be used.

16.4 Complaints will be promptly addressed by the Service Operator, the ICAO Secretariat or the PKD Board. However, it may be the case that a complaint can only be resolved through consultation of the PKD Board, the Service Operator and ICAO as appropriate.

16.5 The PKD Board will consider complaints, and where, on the basis of that consideration, it determines that changes to the procedures or policies are appropriate, it will notify ICAO who will inform the Service Operator of such changes.

16.6 The PKD Board established and approved the PKD Board Procedure for Handling Operational Complaints.

SECTION 17 – CONFIDENTIALITY

Information pertaining to the Participants (such as eMRTD Authority and Certificate Issuing Location information and the status of individual Participant accounts, Participant upload frequencies and timing, and all such information not part of the ICAO PKD Download Directory) will not be disclosed to the public except for named contacts for technical and administrative purposes published on ICAO PKD public website.

SECTION 18 – TECHNICAL AND PROCEDURAL SPECIFICATIONS

The PKD Board will approve in consultation with ICAO the PKD Regulations, the PKD Procedures for Participants, the PKD Key Ceremony Procedures and the PKD Interface Specifications developed and proposed by the Service Operator.

SECTION 19 – EFFECTIVE DATES

The present PKD Regulations will take effect on the same date as the ICAO PKD MoU.

SECTION 20 – FINAL PROVISIONS

These PKD Regulations may be amended from time to time. Any proposal for an amendment may be initiated by a Participant, the PKD Board, ICAO, or the Service Operator, subject to consultation with the Service Operator, and a review and approval by the PKD Board in consultation with ICAO.

— END —

ATTACHMENT A – MEMORANDUM OF UNDERSTANDING (MOU)

**MEMORANDUM OF UNDERSTANDING (MOU)
REGARDING PARTICIPATION AND COST SHARING IN THE
ELECTRONIC MACHINE READABLE TRAVEL DOCUMENTS
ICAO PUBLIC KEY DIRECTORY (PKD)**

**MODEL
NOTICE OF PARTICIPATION**

The _____
(name of the Authority designated by the Participant concerned as its authorized organ)

of _____
(name of Participant)

hereby gives the Secretary General of the International Civil Aviation Organization (ICAO)

notice of participation of _____

(name and address of the Participant)

in the *Memorandum of Understanding (MoU) Regarding Participation and Cost Sharing in the Electronic Machine Readable Travel Documents ICAO Public Key Directory (ICAO PKD)*.

NOTE: Participation by a non-State entity in the ICAO PKD (the functions of which are technical and operational) will not afford such non-State entities the rights or privileges accorded to ICAO Contracting States under the Chicago Convention.

Signed at _____ on _____
(place) (date)

On behalf of _____

Name of Authority _____

Name, title _____

Signature

ATTACHMENT B – NOTICE OF REGISTRATION

MODEL NOTICE OF REGISTRATION

REGISTRATION FOR PARTICIPATION IN ICAO PKD
<p>PASSPORT DATA</p> <p>Estimated number of Document Signer Certificates that will be issued each year:</p> <p>Estimated number of Certificate Revocation Lists that will be issued each year:</p> <p>Number of expired and valid Country Signing CA Certificates:</p> <p>Number of expired and valid Country Signing CA Link Certificates:</p> <p>Average validity period for Country Signing CA (Link) Certificates:</p> <p>Estimated number of Deviation Lists issued each year:</p> <p>Estimated number of Master Lists issued each year:</p> <p>Estimated number of entries per Master List:</p>
<p>Designated officer for administrative topics</p> <p>Name:</p> <p>Title:</p> <p>Address:</p> <p>Telephone:</p> <p>Fax:</p> <p>E-Mail:</p> <p>Designation (eMRTD System):</p> <p>Senior Officer (eMRTD System):</p>

Designated officer for technical topics (integration, testing, submission of PKD data) (if known at time of registration)

Name:

Title:

Address:

Telephone:

Fax:

E-Mail:

Designation (eMRTD System):

Senior Officer (eMRTD System):

Submitted by:

Name:

Date: (Signature)

Approved by:

Name:

Date: (Signature)