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**PKD Board Annual Report 2018****PKD Board Discussion Paper**

Forwarded by: 2018 Chairperson

Reference Document(s): B-Pub/58 - PKD Board Annual Report 2017 dated 01.03.2018

**BACKGROUND**

The MoU, Attachment C, paragraph 1.2 states the following:

"1.2 The PKD Board is the standing body responsible for the ICAO PKD. Its duties will include:

...

j) submit to the Participants an Annual Report on its activities and other relevant issues in the preceding year on or before 31 October;"

**PURPOSE**

This Discussion Paper is intended to fulfil the MoU requirement.

**URGENCY**

The matter should be dealt with between meetings.

**PROPOSAL****PKD Board Annual Report 2018****Purpose**

Based on, and in continuation of the previous PKD Board Annual Reports, the present Annual Report gives an overview over the development of the PKD as well as important activities of the PKD Board in the year 2018.

**PKD Organization – PKD Board and Executive Body Meetings****1. PKD Board**

The PKD Board held the 25th ordinary meeting (ICAO Regional Office in Paris, France from 17-18 October 2018). In the course of this meeting, Mr. Mario Wiesen, the PKD Board Member from Luxembourg was elected as 2018 Chairperson.

During the same meeting, and following the PKD Board election procedures, the Board recommended the appointment/re appointment of the following PKD Board Members for three-year terms beginning in November 2018: Morocco (New Member), Nigeria and Switzerland. The other PKD Board members are representing Australia, Canada, China, France, Japan, Luxembourg, Netherlands, New Zealand, Singapore, Spain, United Kingdom and the United States.

Also, during the meeting a Vice-Chairperson position was created and Spain was elected as the Vice-Chairperson for a one-year term that can be renewed for up to five subsequent years.

**2. Executive Body**

The Executive Body (EB) held the 3rd EB meeting in Montréal, Canada on 23 and 26 April 2018 during the TAG-TRIP/2. Netherlands, New Zealand and Switzerland are the elected Executive Body Members for a two-year term.

### 3. Organization

During the 25th PKD Board, the PKD Board discussed the reorganization of the PKD Board and approved the Terms of Reference for Chairperson and Vice-Chairperson positions and approved the revision of the PKD Board Rule of Procedures granting voting rights, subject to certain conditions, to non-PKD Board participants attending PKD Board meetings.

### Operational Contract

As per the new PKD operational contract signed in April 2016, the PKD annual fee steadily decreases as the number of PKD participants increases. For 2019, the PKD annual fees have been established at US \$7,353.23 for ICAO for the PKD management and US \$22,500 for the operator for maintaining the infrastructure, totalling US \$29,853.23 (compared to US \$31,755 in 2018).

<b>45 Participants</b>	<b>USD 29 900</b>
<b>50 Participants</b>	<b>USD 27 000</b>
<b>55 Participants</b>	<b>USD 24 500</b>
<b>60 Participants</b>	<b>USD 22 500</b>
<b>65 Participants</b>	<b>USD 20 900</b>

### Technology

#### 1. ICAO CSCA Master List

The ICAO CSCA Master List project is still ongoing.

ICAO and the United Nations (UN) are coordinating a cooperation agreement that will govern ICAO's use of the UN CSCA for this purpose. Once the agreement is finalized and signed, the technical part will be developed for a planned launch in the first half of 2019.

#### 2. PKD download used by Commercial entities

Since the 2017 meeting of the PKD Board where the use of the ICAO PKD by Commercial use was last discussed, there have been some developments.

At its April 2018 meeting, on the margins of the meeting of TAG/TRIP 2, the issue of commercial access to the PKD was further discussed by members of the Executive Body. At that meeting, it was acknowledged that the initiative poses new policy challenges for the ICAO PKD Secretariat, the PKD Operator and for PKD membership going forward

which needed to be further articulated and discussed. Canada volunteered to do this on behalf of the Executive Body, and to bring these policy challenges to the Board for further discussion. This topic was discussed at the 25th PKD Board meeting in October 2018.

The Executive Body has agreed to two driving principles related to the Commercial Access initiative: 1) that secure and proper validation of ePassports in any circumstances should be supported; and 2) that the relationship between ICAO PKD and commercial entities should be supplier/user only (i.e. there should be no expectation of any commercial involvement in the PKD governance, etc.).

Further work is to be undertaken by the Executive Body and the ICAO Secretariat related to identification of changes required to existing PKD Terms of Reference, Rules of Procedures and Fee Structure to enable implementation of the initiative.

The objective will be to present these finalized governance pieces to the next meeting of the PKD Board for approval, and then to present the PKD Board's proposal at the next ICAO TAG-TRIP meeting (expected to take place in 2020) for final endorsement.

### **3. Expanding the use of the PKD**

With TAG/TRIP-2 endorsement, the Technical Report on Visible Digital Seals (VDS) would be incorporated into Doc 9303 upon its next revision. This could imply an expectation that ICAO would also ensure establishing a means of supporting global validations for this technology – the most obvious means of doing so would be via the PKD.

Given the technical specifications are specifically designed to leverage the investments that States have already made in Public Key Infrastructures in support of issuing eMRTDs, use of the ICAO PKD for exchanging these certificates is a logical step.

Moreover, allowing PKD participants to exchange these certificates via the ICAO PKD would further enhance the value and benefits of participating in the ICAO PKD, while at the same time further supporting a cohesive approach to global air travel facilitation.

The PKD Board has also discussed the possibility of expanding the use of the PKD by allowing PKD Participants to exchange related travel document and electronic visa certificates such as VDS via the ICAO PKD. Such a service would further enhance the value and benefits of participating in the ICAO PKD.

### **Participation / PKD Usage**

In the course of 2018, three new PKD Participants (Côte d'Ivoire, Mali and Serbia) were welcomed.

Together with Australia, New Zealand, the United States, Canada, the United Kingdom, Japan, Singapore, Germany, Republic of Korea, France, China, Kazakhstan, India, Nigeria, Switzerland, Ukraine, Latvia, the Czech Republic, Macao/China, the United Arab Emirates, Hong Kong/China, Slovakia, Netherlands, Morocco, Austria, Hungary, Norway, Bulgaria, Luxembourg, Sweden, United Nations, Spain, the Russian Federation, Malaysia, Argentina, Thailand, Ireland, Moldova, Belgium, Brazil, Qatar, Seychelles,

Uzbekistan, Philippines, Iran, Colombia, Romania, Finland, Benin, Botswana, Kuwait, Georgia, Turkey, Iceland and Oman, Turkmenistan, Peru, Barbados, Panama and the European Union there were sixty three PKD Participants at the end of 2018.

Based on figures made available by the ICAO New Technologies Working Group (NTWG), the CSCA Certificates of about 80% of all ePassports issued are uploaded in the PKD, and in most cases the corresponding DS are available through the PKD.

Also, the number of available certificates has been growing and the numbers of PKD “Downloaders” has increased as presented in the following table.

	Certificates	CRLs	CSCA MasterLists	Number of Participants imported CSCAs
October 2018	11 164	36	7	48
November 2018	11 253	36	8	48
December 2018	11 659	36	8	48

### PKD Border Engagement Strategy

In the context of the Border Engagement Strategy developed by the ICAO PKD Board, Canada and Luxembourg joined efforts to develop an interactive tool for ePassport validation. The purpose of this tool is to provide States with an easy-to-use roadmap in order to understand the various components and steps required for conducting ePassport validation. While all of this information is already available in Doc 9303 and in technical reports, this product is expected to introduce each topic in laymen's terms and then direct the reader towards the more technical documents. The Roadmap has been published on the PKD public website in 2018.

### Events

As a measure for on-going promotion, a PKD presentation was held during the 14th Traveller Identification Programme (TRIP) Symposium in October 2018. Similarly, PKD presentations focusing on the steps to join the PKD and its benefits and a dedicated PKD session, aimed to provide more information on effectively running and implementing a national PKD (NPKD) system and ePassport validation, were organized during the TRIP regional seminar held in Brasilia, Brazil (5-7 June 2018). Presentations and discussions highlighted the role and value of the ICAO PKD, the benefits and deployment options for ePassport validation, and the advantages of ePassport validation in ABCs.

An OSCE PKD workshop was held in Budva, Montenegro on 15 and 16 November 2018. Five Balkan States participated. The objective of the Workshop was to develop a road map on assessment and planning for those States wishing to join the ICAO PKD. This workshop targeted five States (Albania, Bosnia and Herzegovina, Croatia, Montenegro and Macedonia) and specifically those involved in the planning and deployment of e-Machine Readable Travel Documents Programme (eMRTD) issuance systems and Public Key Infrastructure, and provided the necessary tools, templates and step-by-step check-lists for joining the PKD.

Furthermore, a targeted individual two-day PKD workshop was provided to Cameroon at their request on 4-5 December 2018. This workshop provided detailed and practical information on the TRIP strategy, and the benefits of implementing the PKI components as per Doc 9303 Part 12 specifications as well as joining the PKD.

## **Conclusion**

In 2018, participation showed a constant growth over time. With growing participation, the PKD Board will have to reflect on the way of conducting business and its organization.

Mr. Mario Wiesen  
2018 Chairperson  
(on behalf of the ICAO PKD Board)

14 January 2019

## **RECOMMENDATION**

The PKD Board is invited to agree to the PKD Board Annual Report 2018.

The PKD Board is invited to agree to the publication of the PKD Board Annual Report 2018 on the PKD web site for download (cf. <http://www.icao.int/Security/FAL/PKD/Pages/default.aspx>).

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