



INTERNATIONAL CIVIL AVIATION ORGANIZATION
MIDDLE EAST REGIONAL OFFICE
COMMON AERONAUTICAL VPN (CRV) WORKSHOP

(Cairo, Egypt, 1 March 2018)

SUMMARY OF DISCUSSIONS

I. GENERAL

1.1 Place and Duration

1.1.1 The ICAO Common Aeronautical Virtual Private Network (CRV) Workshop was successfully held at the ICAO Middle East (MID) Regional Office (Cairo, Egypt, 1 March 2018).

1.2 Opening

1.2.1 The Workshop was opened by Mr. Mohamed Smaoui, Deputy Regional Director, ICAO Middle East Office.

1.3 Attendance

1.3.1 The Workshop was attended by a total of thirty (30) participants from eight (8) States (Egypt, Iraq, Iran, Jordan, Lebanon, Oman, Saudi Arabia and Sudan) and the CRV Service Provider (PCCW Global Limited). The list of participants is at **Attachment A**.

1.4 Work Programme

First Session: Background Information, including:

- The need for MID IP Network
- CRV Progress
- PCCW Global Limited Profile

Second Session: CRV Development

- CRV Concept of Operation
- CRV Packages
- Q&A

Third Session: Next Steps and Way forward

- States Requirements & the High level Questionnaire
- System Design Document (SDD)
- Implementation Plan

1.5 Objective

1.5.1 The Objective of the Workshop was to provide a progress report on the CRV project, provide a forum to discuss/clarify CRV's Technical aspects and any pending issue, and communicate States' requirements to the CRV service provider (PCCW) to develop System Design Document (SDD) and agree on implementation plan, as appropriate.

II. SUMMARY AND OUTCOME OF DISCUSSIONS

2.1 The Workshop was apprised of the need for establishing IP Network in the MID Region.

2.2 The Workshop noted and recognized that a Regional IP Network is an enabler of several ASBU modules.

2.3 The Workshop recalled MIDANPIRG and MAEP Board Conclusions related to the CRV Project.

2.4 The Workshop received a presentation on the PCCW company's profile (CRV service provider).

2.5 PCCW explained the CRV Network design and the CRV packages.

2.6 States discussed the security responsibility, VOIP implementation as well as the reactive maintenance actions.

2.7 PCCW provided answers to all questions that had been sent by some MID States by emails.

2.8 PCCW presented the high level Questionnaire and invited States to fill their requirements.

2.9 PCCW demonstrated how to make the investment decision.

2.10 Some States raised concern about high cost and requested PCCW to revise the price list.

III. CLOSING

3.1 Recommendations/Actions

- a) ICAO MID office to send a consolidated list of States' questions to PCCW asking for written clarifications; the list is at **Appendix A**;
- b) States to download the CRV common package from ICAO portal;
- c) States to complete the high level questionnaire with their requirements and send it to the ICAO MID Office. States are required also to provide their preferred national telecommunication service provider, as soon as possible;
- d) PCCW to revise the price list and provide States with SDDs; and
- e) ICAO MID Office to conduct teleconference with States willing to join the CRV to agree on the implementation plan.

APPENDIX A

List of States' Questions to PCCW

- 1) Please confirm that PCCW will be responsible for Connection security until CE router in customer's premise.
- 2) Can CRV support VOIP according to the ED-137 standards? *Please refer to page 23 of the PCCW Technical proposal.*
- 3) CRV enables all CRV users to be connected to each other assuming having sufficient bandwidth, however, enabling connection of two States needs mutual agreement. If a State A wish to have additional connection with State B (both are CRV Users), PCCW will enable this connection with no additional cost. Please confirm.
- 4) The CRV cost is the monthly rental cost of the selected package plus one time fees only
- 5) PCCW will provide any hardware required including the router as proactive or reactive maintenance action, please confirm.
- 6) What will be the arrangements for the network in case of Company bankruptcy?

LIST OF PARTICIPANTS

NAME	TITLE
<u>STATES</u>	
EGYPT Mr. Ahmed Abdel Wahab Mohamed	Communication, Navigation and Surveillance Inspector (CNS/ATM) Egyptian Civil Aviation Authority Cairo - EGYPT
Eng. Ahmed Mostafa Mohamed Arman	CNS Inspector/ATM Egyptian Civil Aviation Authority Cairo – EGYPT
Mr. Ahmed Saied Abdel Monsef Abdel Aziz	CNS/ATM Inspector (ANS Engineer) Egyptian Civil Aviation Authority Cairo – EGYPT
Mr. Khaled Mohamed Reda Ahmed Eltanany	CNS Inspector/ANS Engineer Egyptian Civil Aviation Authority Cairo - EGYPT
Mr. Haitham Mohamed El Dosoki	Aeronautical Information Engineer National Air Navigation Services Company Cairo - EGYPT
Mr. Islam Awad Zaki Awad	Air Navigation Inspector Egyptian Civil Aviation Authority Cairo - EGYPT
Mr. Mohamed Fathi Osman	IT Engineering National Air Navigation Services Company Egyptian Civil Aviation Authority Cairo – EGYPT
IRAQ Mr. Troy Buckley	CNS Officer Baghdad Airport SERCO (for the ICAA) IRAQ
ISLAMIC REPUBLIC OF IRAN Mr. Alireza Sabahi	Senior of Experts in Communication Dept. Iran Airports and Air Navigation Company CNS Dept. - IAAC-MEERAJ ST. Tehran - ISALAMIC REPUBLIC OF IRAN

NAME	TITLE
Mr. Mohsen Kazemi	Deputy of Mehrobad Electronic Engineering Department Iran Airports and Air Navigation Company Tehran - ISALAMIC REPUBLIC OF IRAN
Mr. Mojtaba Chatrrooz	Senior Expert of Aeronautical Frequency Iranian Airports Company Mehrabad International Airport Tehran - ISLAMIC REPUBLIC OF IRAN
Mr. Seyed Mahmood Qazi Mirsaeed	Surveillance Automation Systems Administrator Iran Airports and Air Navigation Company Tehran - ISALAMIC REPUBLIC OF IRAN
JORDAN Mr. Mohammad Mousa Mohammad Kassab Al Rousan	Director of Technial Support Directorate Civil Aviation Regulatory Commission Amman Civil Airport at Marka Amman - JORDAN
Dr. Yasser Mustafa Issa Zayyad	Chief of AFS engineering Division Civil Aviation Regulatory Commission Amman - JORDAN
LEBANON Mr. Elias Philippe El-Khoury	Director of Technical Investment Lebanese Directorate General of Civil Aviation Raffic Harriri Int'l Airport Beirut – LEBANON
Mr. Mohamad Abdallah Saad	Head of Telecommunication Equipments Lebanese Directorate General of Civil Aviation Raffic Harriri Int'l Airport Beirut – LEBANON
OMAN Mr. Amor Mansoor Al Kathiri	Communications Chief Public Authority for Civil Aviation Salalh, Salalah Airport Muscat-SULTANATE OF OMAN
Mr. Saleh Abdullah Al-Harthy	Director of CNS Public Authority for Civil Aviation Muscat International Airport Muscat-SULTANATE OF OMAN
SAUDI ARABIA Mr. Alaa Mohammad Al-Turki	Senior Communications Engineer Saudi Air Navigation Services (SANS) General Authority of Civil Aviation Jeddah 21444 - KINGDOM OF SAUDI ARABIA

NAME	TITLE
Mr. Ibraheem Mohammed Basheikh	Senior Software Engineer Saudi Air Navigation Services (SANS) Jeddah 21444 - KINGDOM OF SAUDI ARABIA
Eng. Ahmad Jameel Mannan	Manager, Communications, Engineering Dept Saudi Air Navigation Services (SANS) Jeddah 21444 - KINGDOM OF SAUDI ARABIA
SUDAN Mr. Ahmed Abdelgabier Mohamed	CNS Director Sudan Civil Aviation Authority Khartoum - SUDAN
<u>ORGANIZATIONS/INDUSTRIES</u>	
PCCW Global Limited Mr. Benny Cheng	Assistant Vice President Strategic Account Management PCCW Global PCCW Global Limited Quarry Bay-Hong Kong
Mr. Eddy Lee	Assistant Vice President Presales PCCW Global PCCW Global Limited Quarry Bay-Hong Kong
Mr. Raymond Luk	Vice President Africa region & Strategic Account Management PCCW Global Limited Quarry Bay-Hong Kong
Mr. Mohamed Mahgoub	Vice President Global Enterprise Solutions Strategic Account Management PCCW Global Limited Dubai-UNITED ARAB EMIRATES
Mr. Mohamed Nasr	AVP-Cable Development Europe, Middle East and Africa PCCW Global Limited Dubai-UNITED ARAB EMIRATES

-END-