ICAO CRV program
- MID region

PCCW Global
1st March, 2018
Agenda

1. Company Introduction
2. Why and What is CRV?
3. Network Architecture, Applications & Security
4. CRV Packages
5. How to proceed
6. Investment Summary
1. Company Introduction
• PCCW Global is an international operating division of HKT, Hong Kong’s premier telecommunications service provider, majority-owned by PCCW Limited.

• In 2014, HKT acquired CSL, Hong Kong’s first mobile operator. Launched in 1983, CSL is at the forefront of delivering world-class network built above GSMA standards.

• PCCW Global is able to take local innovations in media, broadcasting, smart city solutions and reach out to global audience.

*Source: Gartner 2014
542,000 Kilometres of cable capacity globally

5+ billion minutes of voice traffic annually

15.2 Tb/s of global fibre capacity

Network presence in over 3,000 cities and 150 countries

55 Locations Worldwide

TOP 10 in IP Transit services globally

About PCCW Global
We Serve...

Fixed & Mobile Network Operators
Cloud and Application Providers
Internet Content Providers
Internet Service Providers
Enterprises / NGOs / Governments
Media & Broadcast Companies
Global Connectivity – Fibre Network

- 110 IPLC POPs in 31 countries and 48 cities
- More than 15.5 Tbps of global fibre capacity
- 542,000 Km of fibre capacity
- Enough to span the world 14 times
- Fully resilient network with investments in 30+ diverse international cable systems
The Asia Africa Europe-1 (AAE-1) cable system will provide greater capacity and connectivity between Asia and Africa and support the growth of the Asia-Africa trade corridor.

PCCW Global continues to invest in the future of its infrastructure, ensuring customers have access to the best technologies and most reliable networks.
Our IP Backbone

- 98 IP POPs in 37 countries and 60 cities
- Consistently ranked in the top 10 for Global Peering
- Total Global Capacity – More than 7.3 Tbps
Global Connectivity – MPLS Coverage

Over 150 countries and 3,000 cities

Strength and depth in emerging growth markets
Innovative satellite-based radio and TV broadcast applications for the hard to reach markets

Extensive global satellite network - 1GHz across 20+ satellites covering 95 countries

Provides resilience to our fibre and subsea capacity ensuring ubiquity in voice and data services
Direct Voice Coverage

- Direct connections with over 300 major international carries and service providers
- Extensive reach into emerging markets of Asia, Africa and Middle East
- Direct VoIPX connections to 70+ carriers and mobile operators VoIPX indrights through IPX partners
- Routing prioritization for different type of services
- Interworking SIP/SIP-I/ITU C7/ ANSI SS7/ ETSI & ANSI PRI
- Different classes of services for various market segment requirements, Platinum Plus and Premium services over directs or partners directs with CLI guarantee, Standard service for price sensitive operators
- VoLTE READY!

Direct VoIPX connections to 70+ Mobile operators & carriers

HD voice enabled for VoIPX connected endpoints

A-Z termination with 300+ direct connected carriers

12
Our Global Team

100+ service managers and engineers in the field

speaking more than 35 languages

in 55 locations worldwide

24/7 dedication to the success of our customers
• Serving leading carriers, content providers and Fortune 500 enterprises
• Connecting Latin America globally via strong partners
• Excellence in Project Management - Best North American Project 2015
• Connecting 20+ European countries to Middle East, Asia and the Americas via diverse and resilient cable routes
• Hybrid connectivity to connect Europe and Africa to meet increasing demand
• Excellence in Innovation – Awarded twice for the Best Service Innovation Award
• Experts on the ground since 1991
• Fibre to 40 African countries, including 14 land-locked countries
• Diverse capacity on all cables: West (WACS, SAT3, GLO-1, Main One), East (SEACOM, TEAMS, EASSy)
Sales Region — MENA

- Strategic alliance agreements and strong relationships with regional leading carriers
- Widespread coverage across the region with diverse connections from Gulf Region to Asia and Europe
- Awarded with Best International Wholesale Carrier Telecoms World Middle East consecutively from 2011 to 2016
• Best Asian Wholesale Operator 2015, 2016 – Telecom Review Awards
• Wholesale Service Provider of the Year – APAC 2014 – MEF
• Headquartered in Hong Kong, one of the global leading markets in the ICT sector
• Premier provider of international solutions to MNCs and service providers throughout Asia Pacific.
• We interconnect over 24 cities in China with managed cross border solutions
Our Solutions
Our Core & Value Added Services have been designed to give customers new capabilities, reach, efficiency and flexibility.

Value Added Services

Core Services

Global Fibre and Satellite Network

Voice Service

Data Service

Global UCaaS Solutions

Media Solutions

Managed Network

Network Security

Superfast delivery of content around the world

Solutions to monitor, optimise networks and free up IT resources

Expertise, intelligence and infrastructure to secure assets from cyber attacks

Leverage the extensive knowledge and experience of HKT and the PCCW Group to support global customers

Flexible cloud-based IT and communications applications

Connectivity and solutions for MNOs across technologies and global markets

A single integrated platform delivered from the cloud for global UCaaS

Global UCaaS Solutions

Media Solutions

Managed Network

Network Security

Global Development Services
### Awards & Recognition

#### World Communications Awards:
- The Users’ Choice Award 2016
- Innovation Award: Operator – Global View 2016
- Innovation Award – Threat Management 2015

#### Telecom Review Excellence Awards:
- Best Asian Wholesale Operator 2015-2016
- Best African Wholesale Operator 2015

#### AfricaCom Awards:
- Best Network Improvement Award 2016
- Best Cost Efficiency Solution for Africa 2015

#### MEF Excellence Awards:
- Wholesale Service Provider of the Year - Global 2015-2016

#### Global Carrier Awards:
- Best Unified Communications Award 2016

#### Carriers World Awards:
- Technology Innovation Award 2016

#### Africa Carrier Awards:
- Best West African Wholesale Carrier 2016

#### Global Telecoms Business Award:
- Customer Service Innovation Award 2016
- Business Service Innovation Award 2015 – Global Network Threat Identification for Enterprises

#### Frost & Sullivan:
- Customer Value Leadership Award – 2015 Sub-Saharan African (SSA) Connectivity Solutions

#### Global Carrier Awards:
- Best North American Project 2015

#### Telecoms World Awards Middle East:
- Best International Wholesale Carrier 2011- 2016

#### Infocom – Greece:
- 2015 Business Growth
2. Why and What is CRV?
Previously ...

e.g. Egypt airport

ANSP-A

ANSP-E

ANSP-D

i.e. UAE airport – (1)

ANSP-C

e.g. Saudi Airport

ANSP-B

ANSP-H

ANSP-G

ANSP-F

Cannot support new applications and new requirements
Harmonized and homogeneous level of network performance and services
  Solving current aeronautical communication deficiencies
  Solving current limitations (obsolescence, lack of standardization, poor escalation processes)

Cost efficient
  Reduced procurement time and effort
  Value for money increases over years

Aeronautical Fixed Service (AFS) in the APAC region
  Sharing of surveillance data
  AFTN/AMHS
  Potential for additional connectivity beyond the initial AFTN-like routing network, including both regional and inter-regional connectivity;
Prerequisite of the Global Air Navigation Plan

Flight and Flow information
Network operations
Aeronautical Information Management
Voice communications (VoIP)
SWIM

Common helpdesk, common escalation process for network service issues
CRV: the future of Asia Pacific’s aeronautical communications infrastructure

ANSP-A

ANSP-B

ANSP-C

ANSP-D

Voice & Data

ATFM

SWIM

AML

AIDC

METAR

AFTN

TAF

SIGMET

SPECI

AMHS

ATS

Potential: military, airport, ATM industry and airlines

7*24 GSOC

ANSPs
No need to install multiple Bilateral IPL
Our Platform can add on just by configuration
ICAO initiatives

Started from Mid 2015

Tender invitation 2015

Ranked 1st in 1st 2017
From Now on... - Common Regional Virtual (CRV) Network – Powered by PCCW Global

CRV ~ Common regional Virtual private network

118 member states in 4 regions

73 member states
54th DGCA 4 days event in Mongolia – introduction of CRV to all Director General

July 2017
Operational Readiness Ceremony on 14th Dec 2017
Signing Ceremony – Bangkok 18th Dec 2017
Current Network Situation and why ICAO need CRV
Characteristics and benefits

Simple  Secure
Safe  Fully managed
Simple

• IP based network - single network carries multiple aviation operation traffic
• One Stop Shop - ordering, provisioning, troubleshooting
Secure

- Closed private network – unreachable & invisible from Internet
- ISO 27001: Information Security Management
Safe

- Resilient network consists of multiple nodes and trunks riding on diverse cable systems
- Contingency plan to maintain high availability
Fully managed

- Central administration of CRV network performance.
- State users have full Visibility and measurable of it’s network health.
SIMPLER

SAFER

FASTER

CRV, the network of tomorrow
3. CRV Network Architecture, Application & Security
Resilient MPLS core across multiple cable systems
What is MPLS VPN?

- Provides customers private connections among different locations over IP backbone
- Support multiple services over a single network interface

MPLS Service Components

- MPLS PE router port
- CE router (installed in customer site)
- Local loop between PE port and CE router

MPLS Management
Robust network design

• **Equipment diversity**
  - Each MPLS PoP has at least two PE routers (dual power sources)

• **PoP diversity**
  - In key countries more than one PoP are set up
  - For key countries with ICI partners, multiple ICI links are built

• **Cable diversity**
  - Multiple Cable systems are either fully protected by itself or with diversity from each PoP
Our Network to Map your applications

The differentiation functions are performed at the ingress to the PCCW Global network is mapped

- Low latency Queue (LLQ)
- Class-based Weight-Fair-Queuing (CBWFQ)
MPLS Security

- Physical Security (*secured data centre*)
- Operational Security & Best Practice (*authorized access to the network*)
- Architecture Security (*managed links; equivalent to FR & ATM backbone*)
- Protocol Security (*RFC4364* (*separated VRF per customer*)

**IPSec Security**
- Dedicated Internet access
- Fixed IP
- Pre-shared key
- Data encryption
CRV Network Design Overview
• Fully meshed MPLS IPVPN Network as the core network for connecting CRV users

• CRV users will connect to PCCW Global MPLS platform via terrestrial line or VSAT link subject to feasibility study

• CRV network support multiple Class of Services to optimize network performance on different type of applications such as, voice, AFTN, AHMS, etc.

• End-to-End management includes Managed Router Service (NID) and Pro-active Network monitoring at round-the-clock basis

• Comprehensive online Web based reporting tool is available for network performance review and future planning purpose
• PCCW GLOBAL will manage and allocate IPv4 addresses in the range of 192.168.x.x for the purpose of addressing each connection between the CE & PE routers, and network monitoring services (e.g. loop back interfaces, WAN interfaces, tunnel interfaces, etc.)

• CRV users shall use the IP address scheme (10.x.x.x) as defined in the “Common regional VPN (CRV) Implementation Plan v0.4” and be no overlapping of IP addresses among the sites

• Each CRV user may have its own security policy and requirement to segregate the network while maintaining the interconnection with other users
Cisco router is proposed at the customer site as the CE router (NID) connecting customer LAN and analogue voice (if required) to the CRV network. The CE router will be managed by PCCWG and will become the service demarcation point.

- ACL will be applied allowing only registered LAN IP address (e.g. 10.x.x.x/19) to be redistributed.
- The CE router (NID) can support FXS, FXO, E&M and T1/E1 voice ports. Customer needs to specify the total number of analogue voice ports, port type and dial plan in the requirement for each site when submitting the request. PCCWG will review and confirm the solution accordingly.
- Define specific subnet for voice traffic.
• A closed user group among agreed States within the MPLS VPN will be built to enhance security and confidentiality
  - GRE tunnels will be built between CE Routers (NIDs)
  - Only agreed States can communicate with each other
  - The customer LAN routing information is only visible to the agreed States
• **Routing Protocol**

  ♦ **CE and Customer’s LAN**
    ♦ For the CE-LAN connection, the IP routing protocols that PCCWG supports are:
      • Static
      • OSPF
      • BGP (subject to approval on case by case basis)

• **Quality of Service Markings**
  ▪ The QoS markings are listed below (refer to bid document 2.6.4 Annex C – Quality of Service Plan):

<table>
<thead>
<tr>
<th>Service class name</th>
<th>DSCP Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Border Gateway Protocol (BGP)</td>
<td>CS6</td>
</tr>
<tr>
<td>Voice</td>
<td>EF</td>
</tr>
<tr>
<td>Voice Signaling</td>
<td>EF</td>
</tr>
<tr>
<td>ADS-B</td>
<td>CS4</td>
</tr>
<tr>
<td>AFTN, ATN.</td>
<td>AF21</td>
</tr>
<tr>
<td>All traffic not otherwise defined.</td>
<td>DF (CS0)</td>
</tr>
</tbody>
</table>
Voice communication Design

- Customer VoIP On-net calls between states will be riding on the MPLS based IPVPN network. The VoIP packets including signalling will be classified as EF Class.

- If it is analogue voice, customer can make use of PCCW Global managed NID to convert the analogue voice to VoIP or customer can do the conversion via their owned voice gateway.
  - The CE router (NID) can also provide limited number of analogue voice ports for voice connections.
Network Design for CRV (cont’d)

- CRV users can send VoIP traffic from their media gateway directly to CRV network. CRV users can establish H.323 or SIP from their media gateway to the destination PCCWG NID or other users’ media gateway across CRV network
  - PCCW Global NID supports H.323 by default. If SIP is required, please inform PCCW Global in design stage for enabling SIP in the NID which may incur extra charges.

- It is expected that call admission control (CAC) is implemented at customer media gateway to restrict the number of concurrent VoIP calls to CRV network. If the number of calls exceed the subscribed capacity, the voice call will be failure.

- Proposed numbering plan is in compliance with ICAO 9804. CRV users have to provide CC & OO assignment before implementation
  - An 8 digit numbering plan consisting of the following:
    - 1-3 digits will be for the Country Code/Area Identifier (AA) – E.164
    - 4-2 digits will be for the ANSP Centre code (CC) – ANSP provided
    - 3 digits for the operator position (OO) – ANSP provided
4. CRV Packages
4 major packages plus 2 variations are proposed as below:

**Package A** – dual links and dual CE routers (NIDs) in active / standby operation mode will be installed at the CRV user site.

**Package B** – single link and single CE router (NID) will be installed at the CRV user site. In addition, PCCW Global will provide an IPSec port at MPLS IPSec gateway for back-up and CRV user will provide a dedicated Internet link for connection.

**Package B+** – same as Package B but with one extra CE router (NID) for IPSec back-up link (stand-by)

**Package C** – single link and single CE router (NID) will be installed at the CRV user site.

**Package C+** – same as Package C but with one extra CE router (NID) for stand-by

**Package D** – PCCW Global will provide an IPSec port at MPLS IPSec gateway and CRV user will provide a dedicated Internet link for connection.
• 4 major packages plus 2 variations are proposed as below:

  - **Package A** – dual links and dual CE routers (NIDs) in active / standby operation mode will be installed at the CRV user site. The local accesses are from different providers or from the same provider but with different paths if feasible. Each local access is a dedicated single unprotected terrestrial or VSAT access and will be terminated at different PCCWG PoPs/ICIs/PEs where applicable to achieve access resilience.
**Package B+** – it is same as Package B but with one extra CE router (NID) to connect the Internet link for IPSec remote access. Both MPLS CE router and Remote Access CE router will work in active / standby mode.

**Package B** – Single link and single CE router (NID) will be installed at the CRV user site. The local access is a dedicated single unprotected terrestrial or VSAT access and will be terminated at PCCWG PoP/ICI where applicable. In addition, PCCW Global will provide an IPSec port (2M port speed and 100% Bronze) at MPLS IPSec gateway and an Ethernet port at the CE router (NID) for connecting customer owned Internet link. The CE router will automatic switch over to this IPSec link in case the primary MPLS link is failure. The Internet link provided by the customer has to fulfill the requirements below:

- Ethernet hands-off with at least one fixed public IP address assigns to the CE router
- only use for connecting PCCW Global MPLS Layer3 VPN service
- **Package C+** - It is same as Package C but with one standby CE router (NID). The standby CE router is same configuration as the primary MPLS CE router. Assistance from the customer is required to switch over LAN/WAN cables under the instructions from PCCW Global NOC in case of the primary router failure.

- **Package C** – Single link and single CE router (NID) will be installed at the CRV user site. The local access is a dedicated single unprotected terrestrial or VSAT access and will be terminated at PCCWG PoP/ICI where applicable.
Package D - PCCW Global will configure IPSec port at MPLS IPSec gateway and install a CE router (NID) for connecting customer owned Internet link on site. User will connect to the CRV network via a point-to-point encrypted IPSec tunnel which supports 100% Bronze QoS only.

The Internet link provided by the customer has to fulfill the requirements below:

- Ethernet hands-off with at least one fixed public IP address assigns to the CE router
- only use for connecting PCCW Global MPLS Layer3 VPN service
# Comparison on different connection packages

<table>
<thead>
<tr>
<th>SLA Package</th>
<th>Package A</th>
<th>Package B+</th>
<th>Package B</th>
<th>Package C+</th>
<th>Package C</th>
<th>Package D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Local loop connection</strong></td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>NIL (customer self provided internet)</td>
</tr>
<tr>
<td><strong>NID</strong></td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>IP Sec Gateway (backup)</strong></td>
<td>NIL</td>
<td>Yes (customer provides internet)</td>
<td>Yes (customer provides internet)</td>
<td>No</td>
<td>No</td>
<td>Yes (customer provides internet)</td>
</tr>
<tr>
<td><strong>Availability</strong></td>
<td>99.97% (connectivity + router)</td>
<td>99.95% (connectivity + router)</td>
<td>99.5% (connectivity + router)</td>
<td>99.7% (connectivity + router)</td>
<td>99.5% (connectivity + router)</td>
<td>99.5% (IPSec gateway port only)</td>
</tr>
<tr>
<td><strong>Site to Site Round Trip Delay by zone</strong></td>
<td>200ms</td>
<td>600ms</td>
<td>200ms</td>
<td>600ms</td>
<td>200ms</td>
<td>600ms</td>
</tr>
<tr>
<td><strong>Site to Site Packet Drop rate</strong></td>
<td>&lt;0.1% for Voice; &lt;0.5% for Data</td>
<td>&lt;0.1% for Voice; &lt;0.5% for Data</td>
<td>&lt;0.5% for Data</td>
<td>&lt;0.5% for Data</td>
<td>&lt;0.5% for Data</td>
<td>&lt;0.5% for Data</td>
</tr>
<tr>
<td><strong>Site to Site Jitter</strong></td>
<td>15ms for Voice; 250ms for Data</td>
<td>15ms for Voice; 250ms for Data</td>
<td>250ms for Data</td>
<td>250ms for Data</td>
<td>250ms for Data (PoP to PoP)</td>
<td></td>
</tr>
<tr>
<td><strong>Rebate</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**Highest Availability**
5. How to proceed
Proposed process to contract

1. State notifies CRV OG Chair(s) and ICAO Regional Office the intention to join – update CRV implementation plan
2. State contact Mr. Benny Cheng (PCCW) who sends the High level survey
3. State downloads the Common Package from CRV portal
4. State submits the High level survey to PCCW
5. PCCW recommends a package (design) and submits a Project Plan
6. State cross checks with its peers and starts coordination of implementation (CRV OG can facilitate)
7. State and PCCW discuss Price, Schedule and Terms and Conditions:
   - Local optimizations and additional requirements may be required
8. State and PCCW agree and record any variation from the common provisions in the Order Form
   - State and PCCW sign the Order Form which is governed by:
     - (a) Terms and Conditions between PCCW Global and CRV Authority;
     - (b) The CRV Terms of Reference (including all annexes);
     - (c) Specific Terms for MPLS VPN Service, Specific Terms for Managed Router Service and Specific Terms for Satellite VSAT Services (the "Specific Terms");
     - (d) Addendum to the Specific Terms;
     - (e) The price schedule in their latest applicable version;
     - (f) The Project Management Plan in its latest applicable version; and
     - (g) The CRV implementation plan in its latest applicable version.
9. Installation occurs
10. Testing is carried out
11. Service Commencement Notice provided from PCCW to the State, includes all drawings and documentation
12. State notifies CRV OG about the service commencement
13. State carries out service migrations in coordination with peers

Note: the engineering package is made applicable through the PMP
Q&A from MID regions
• Are all connections managed services?

  • all subscribed services are managed by PCCWG. The managed service elements provisioned by PCCWG for the MPLS based IPVPN service includes:
    – MPLS core network
    – Local loop (including NTU) between MPLS core and customer site
    – NID (Customer Edge router)

• Can voice and data services be configured on a dedicated/unmanaged client router behind the CE router?

  • Our service demarcation point is up to the NID (CE Router). The additional requirement of voice and data configuration on a dedicated/unmanaged client router behind the CE router can be discussed case by case. Would you please kindly provide the SOW (Scope of Work)?

• PCCW offers Class C address for WAN link but then requires NAT to the pre-defined 10.x.x.x addresses? Why? What about the ICAO recommended Class A addressing for WAN links?

  • PCCW Global will manage and allocate IPv4 addresses in the range of 192.168.x.x for the purpose of addressing each connection between the CE & PE routers, and network monitoring services (e.g. loop back interfaces, WAN interfaces, tunnel interfaces, etc.)
• CRV user shall use the IP address scheme (10.x.x.x) as defined in the “Common regional VPN (CRV) Implementation Plan v0.4” and be no overlapping of IP addresses among the sites.
• CRV users will only need to perform “NAT” if their existing internal network does not fall in the ICAO pre-defined IP address scheme (10.x.x.x /19)

• How are E1 vhf radio channels configured including the applicable timeslot for control and monitoring?

• The proposed CE router (NID) for the CRV network will support ground-to-ground data & voice communication only, the support interfaces include Ethernet, FXO/FXS, E&M (2-wire/4-wire) and T1/E1 voice interfaces.

• Target switchover time is 180s. Is this the best switchover time provided?

• The switchover time (180s) is the default configuration for BGP protocol.

• If a state joined CRV with certain bandwidth “ex. 256”, can they have direct connection to all other CRV states? Or they to redefine it? I guess it’s a star topology once you join it you can exchange messages with all, assume the bandwidth is sufficient and no restriction on data flow from other states

• The CRV is a fully mesh MPLS/IP network which allows users to communicate directly. However, it is one of the security measures that only agreed ICAO states can communicate with each other via the overlay GRE tunnels.
6. Investment Summary
<table>
<thead>
<tr>
<th>Package</th>
<th>Customer Type</th>
<th>Country</th>
<th>Service Type</th>
<th>Monthly Price</th>
<th>Monthly Additional Price</th>
<th>Monthly Additional Price (if voice channel &gt; 4, need to further discuss)</th>
<th>Monthly Additional Price (if voice channel &gt; 4, need to further discuss)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package A</td>
<td>Terrestrial/NNI</td>
<td>Sanaa TeleYemen</td>
<td>740</td>
<td>26,598</td>
<td>26,598</td>
<td>26,598</td>
<td>26,598</td>
</tr>
<tr>
<td>Package B</td>
<td>Terrestrial/Eth</td>
<td>Terrestrial</td>
<td>920</td>
<td>17,810</td>
<td>17,810</td>
<td>17,810</td>
<td>17,810</td>
</tr>
<tr>
<td>Package C</td>
<td>Terrestrial/Eth</td>
<td>Terrestrial</td>
<td>920</td>
<td>17,810</td>
<td>17,810</td>
<td>17,810</td>
<td>17,810</td>
</tr>
</tbody>
</table>

Note: The table contains additional services and prices per month. The specific details are not fully transcribed due to the image resolution and size.
CRV – MID states

Use Egypt as an example
Use Egypt as an example

Once connect CRV, it is ready to connect others.
Can replace your existing point to point circuits.
And can connect to other countries (CRV users) subject to both countries confirmation without extra cost.

**Monthly (A,B,C,D,E)+potential F,G,H,I**

- Package A: Monthly rental = USD$ 9,506
- Package C: Monthly rental = USD$ 4,614
  - One time = USD$ 1,571

Current configurations are:

<table>
<thead>
<tr>
<th>64 K</th>
<th>64 X</th>
<th>64 K</th>
<th>128 K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lebanon</td>
<td>Jordan (Amman)</td>
<td>Syria</td>
<td>Saudi (Jeddah)</td>
</tr>
<tr>
<td>Data</td>
<td>Data + Voice</td>
<td>Data</td>
<td>Voice</td>
</tr>
</tbody>
</table>

**NEW**

CRV

**HKT Here to Serve**

a PCCW-HKT Group member
Thank you