



**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

**COM CO-ORDINATION MEETING**  
(People's Republic of China, Lao PDR, Nepal,  
Myanmar and Thailand)  
18 – 19 February 2014, Chengdu, China



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**Agenda Item 7:** Any other business

**COMMON REGIONAL VPN (CRV) TASK FORCE BRIEF INTRODUCTION**

(Presented by Chonlawit Banphawatthanarak, Thailand)

**SUMMARY**

This paper presents the information on the Common Regional Virtual Private Network (CRV) Task Force for consideration.

**1. INTRODUCTION**

1.1 The concept of common network for the APAC region has been proposed in the ATNICG/8 and accepted in the APANPIRG/24 meeting. In order to accommodate the establishment of common network, the APANPIRG CRV TF was proposed as a dedicated task force to study regional virtual private network (VPN) and develop a detailed proposal by January 2016.

**2. DISCUSSION**

2.1 The information is provided in the attached presentation.

**3. ACTION REQUIRED BY THE MEETING**

3.1 The meeting is invited to do the following note the information provided in the presentation:

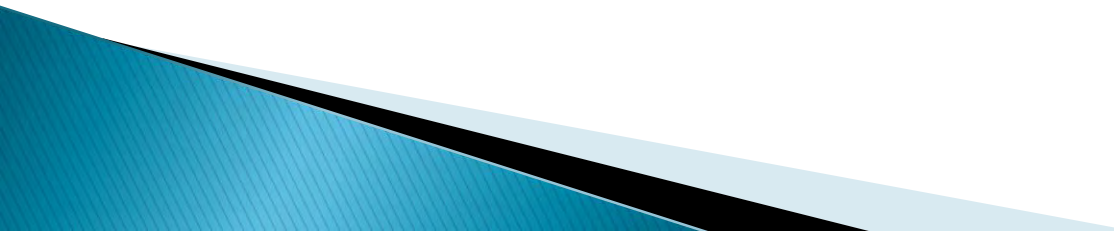
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# Common Regional VPN (CRV) Task Force

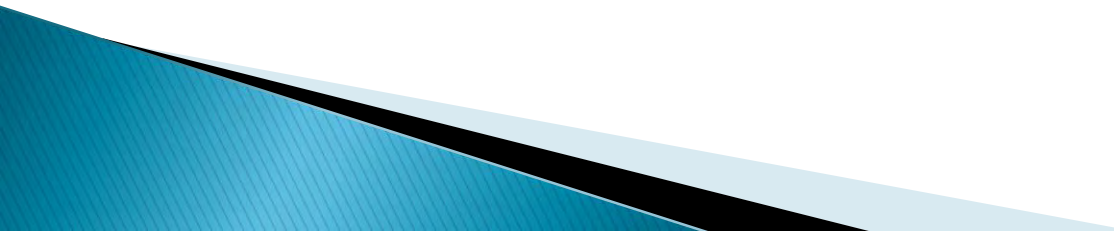
February 2014




# List of topics

- ▶ What is CRV?
  - ▶ Who is CRV TF?
  - ▶ Term of reference (TOR) of CRVTF
  - ▶ CRV TF Work Programme
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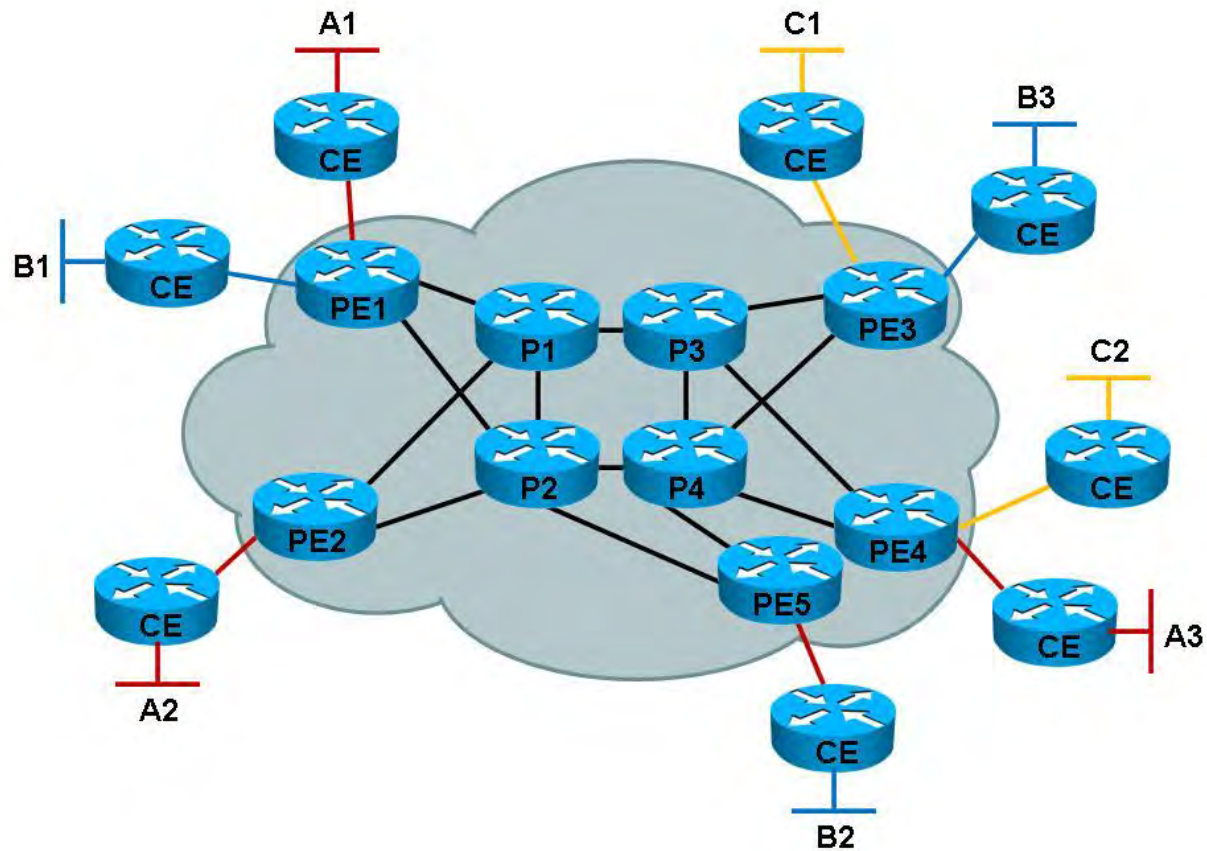
# What is CRV?

- ▶ The concept Common Regional Virtual Private Network (CRV) came from the common network already implemented in many regions such as Pan-European Network (PEN), FAA Telecommunication Infrastructure (FTI), etc.
  - ▶ This concept of common network for APAC region was proposed in ATNICG/8 and then APANPIRG/24.
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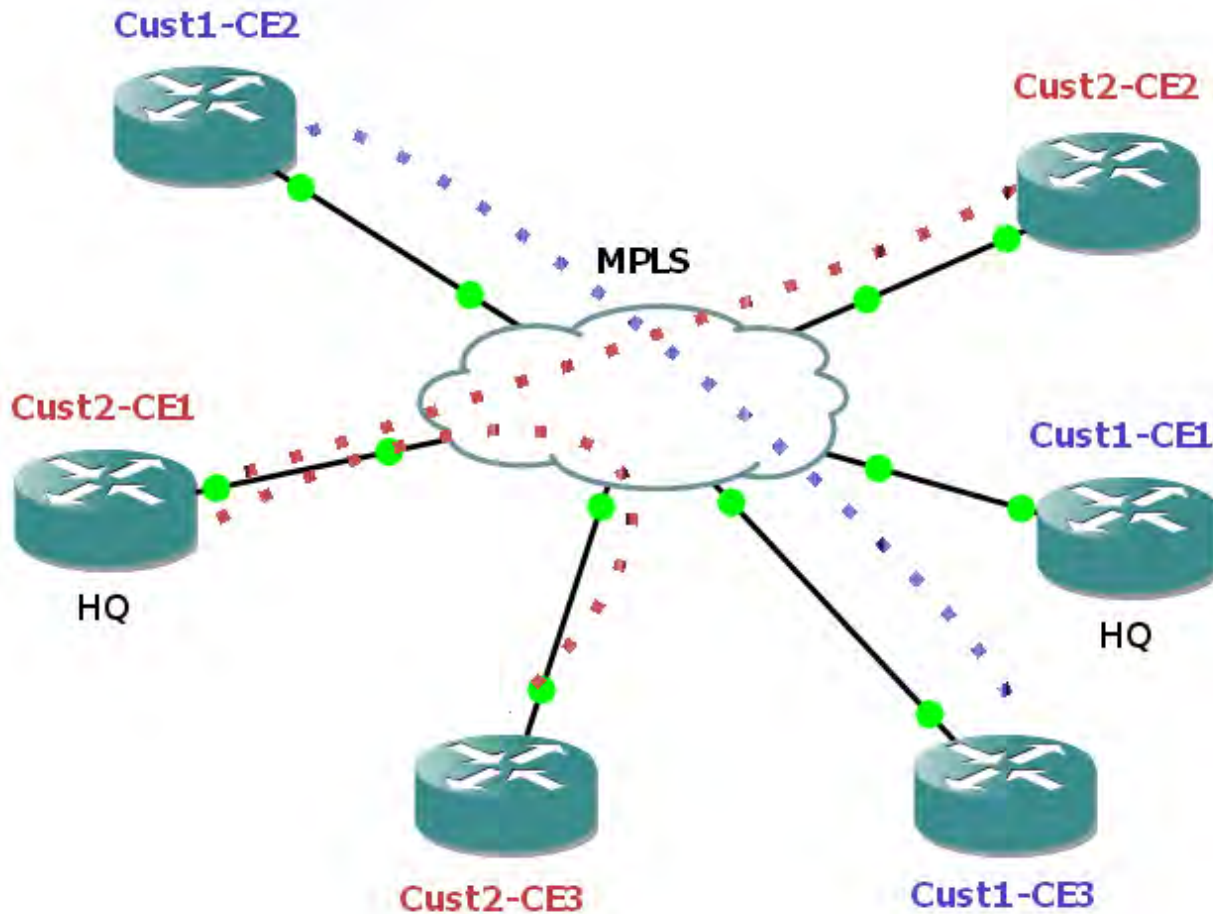
# What is CRV?

- ▶ CRV is a dedicated Multiprotocol Label Switching (MPLS) IP VPN network.
  - ▶ Scalable/Manageable IP VPN network supporting all AFS in APAC region.
  - ▶ Coverage of CRV is over the whole APAC region.
  - ▶ Single (or limited) network service providers.
  - ▶ Dedicated network operation center for management of the CRV.
  - ▶ Support concept of SWIM in the future.
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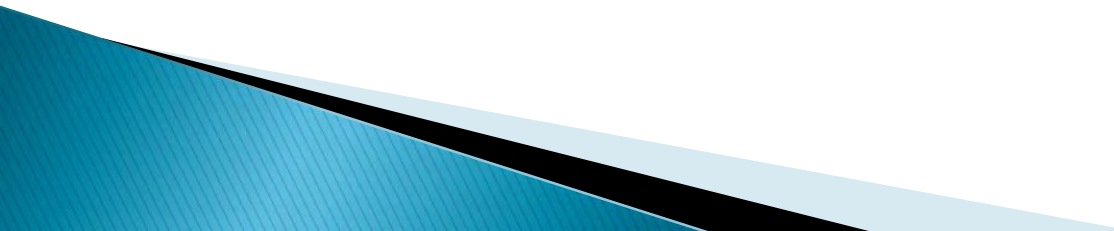
# Example of MPLS network



# Example of MPLS network



# Who is CRV TF?

- APANPIRG CRV TF was proposed by a number of States at the ATNICG/8 and APANPIRG/24, as a dedicated task force to study regional virtual private network (VPN) and develop a detailed proposal by January 2016.
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# Term of Reference of CRV TF

- ▶ Develop and propose to the APANPIRG a multinational agreement proposing the organizational policies and procedures for managing the regional network including inter-regional coordination;
- ▶ Study and propose to the APANPIRG the concept of operation for common VPN for APAC Region including cost-benefit consideration;
- ▶ Develop the RFI to be distributed to interested service providers and analyze questions/information received from RFI;
- ▶ Develop the Request For Proposal (RFP) for common VPN for APAC Region and evaluate/select the best proposal; and
- ▶ Develop the procedures for commissioning common VPN for APAC Region.

# CRV TF Work Program

- ▶ Concept of Operation (CONOP) – Aug 2014
- ▶ Document of Agreement (DoA)
  - Complete and publication of DoA – Oct 2014
  - Signed DoA first stage – Jun 2015
  - Signed DoA second stage – TBD
- ▶ Cost–benefit Analysis (CBA) – Apr 2014
- ▶ Request for Information (RFI)
  - Complete and publication of RFI – Aug 2014
  - Review and process RFI – Feb 2015

# CRV TF Work Program

- ▶ Request for Proposal (RFP)
  - Completed and publication – est. Oct 2015
  - Awarding of tender – est. 2016
- ▶ Implementation plan for CRV
  - Est. 2016

# Questions and Comments

