



ICAO BANGKOK

UNITING AVIATION

7- CRV OG

*Frederic Lecat, ICAO Regional Officer
APAC Regional Office*

January 2016





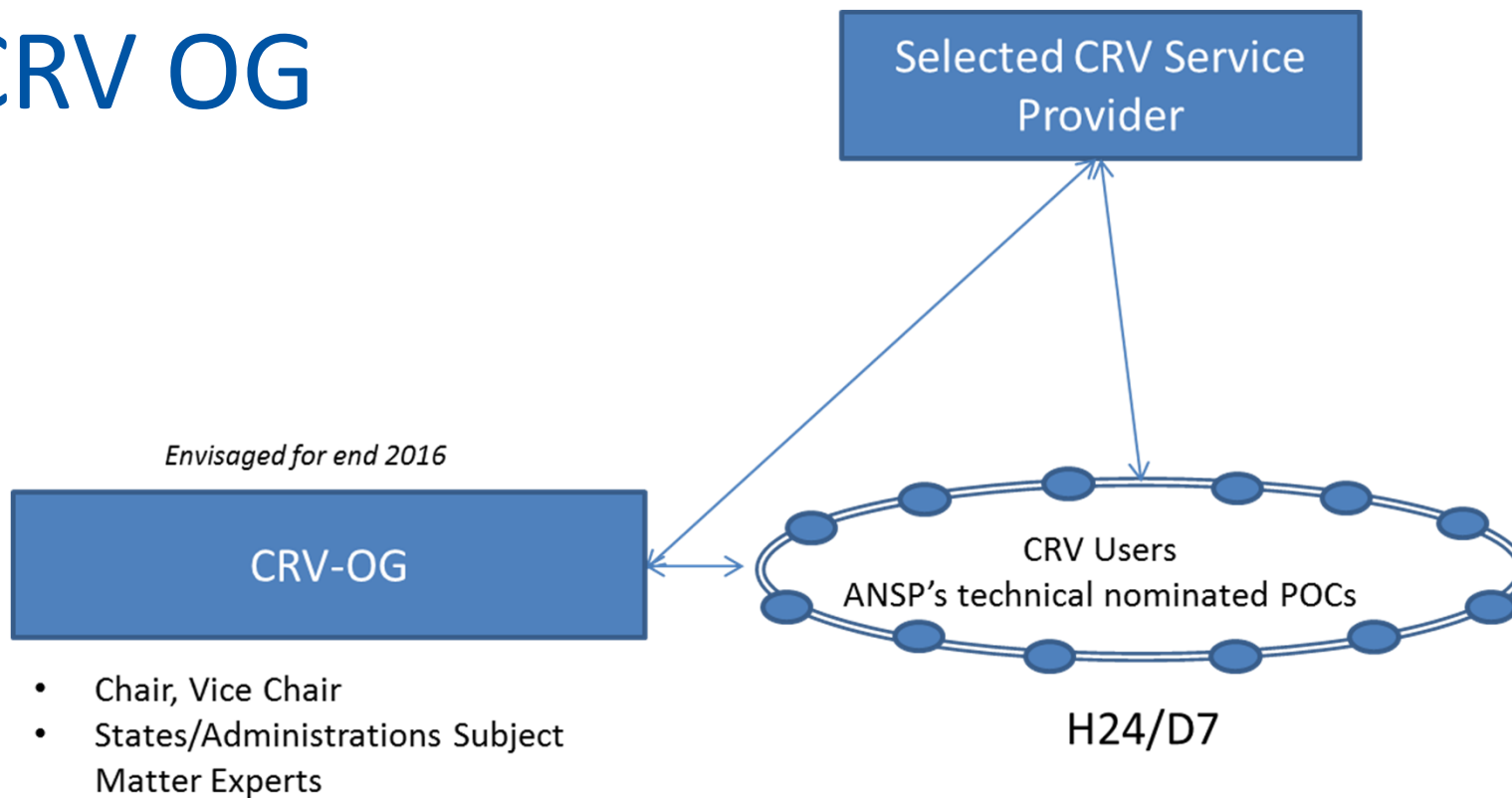
Outline

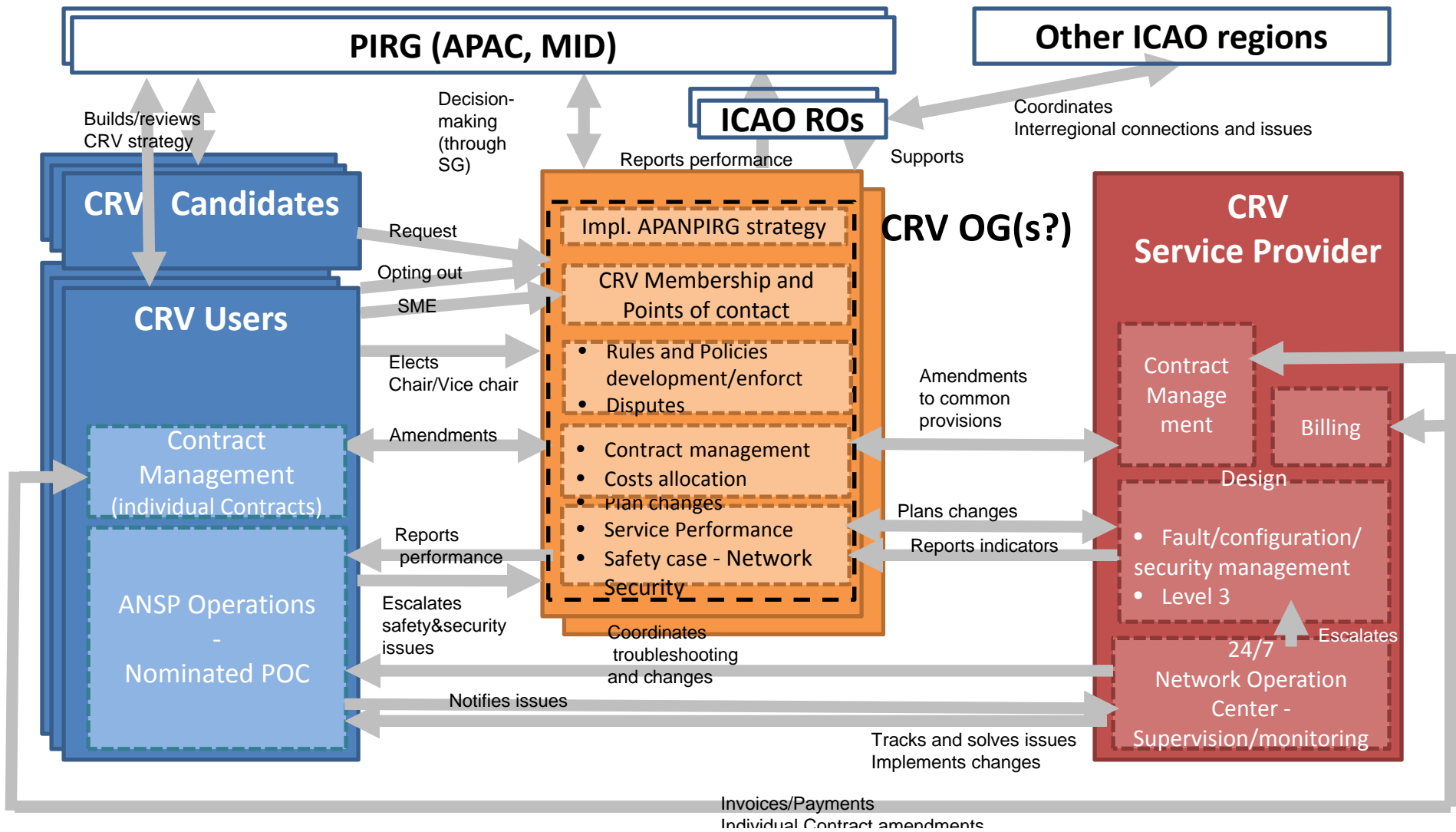
- CRV OG: envisaged organization
- Terms of Reference
- Handbook
- Interregional connectivity





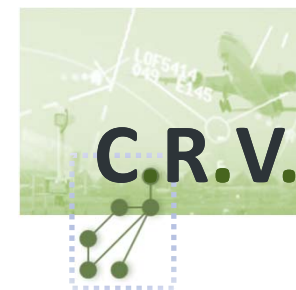
CRV OG







CRV OG



- Objective for TOR: endorsed by CNS SG, adopted by PIRG
- Handbook: managed by CRV-OG (consensus)
 - Amendments to handbook not covered by TOR should call for an update to TOR first
- Adoption process
 - Objective: adopt conclusion on creation of CRV OG at APANPIRG /27 (Sep. 16)
 - work on a WP for next CRV TF/5 (May 16) – ACSICG/3 – CNS SG/20
 - Appendix A Draft TOR: objectives/participation/ frequency/deliverables
 - Participation chair/co-chairs? – observers: CRV selected provider/non APAC States/ non States/ANSP)
 - If MID decides to embark as a region then CRV OG could be interregional body
 - Appendix B Draft Procedural handbook: procedures



TOR

- Oversight of the performance of the Service Provider (based on contractual KPI);
- Oversight of the performance of the Common Regional VPN (based on contractual metrics);
- Promotion of CRV and migration of aeronautical communications onto CRV, in line with the GANP and seamless ATM plan;
 - *implementation plan: input to CRV OG, to be followed and updated by CRV-OG based on GANP and seamless ATM plan*
- Management of the safety and security issues; including contingency plan
- Facilitation of the cost arrangements
- Maintenance of the CRV documentation management of amendments to common provisions, central repository for of Individual Service Contracts and advise on of Individual Service Contracts
- Management of CRV-OG handbook (including amendments)
- Be the focal body for any matters regarding CRV, including the coordination with the common Service Provider



Handbook

- Procedure for Oversight of the performance of the Service Provider (based on contractual KPI);
 - Which KPI => OOG concept powerpoint, tender package
- Procedure for Oversight of the performance of the Common Regional VPN (based on contractual metrics);
 - => tender package
- Reporting procedure (how, to whom, and when to report/ propose new-modified indicators)
 - Performance: availability of applications, incidents and service disruptions by application
 - Safety: safety indicators set by the preliminary safety case and such as redundancy and single points of failure, number of safety events over the reference period
 - Security: number of security events over the reference period
- Implementation plan: input to CRV OG from CRV TF, to be followed and updated by CRV-OG
- Procedure for Escalation of safety and security issues;
- Procedure to Maintain a safety case and security policy
- CRV-OG: forum for facilitation of the cost arrangements
- Procedure for contract management: amendments to common provisions, central repository for of Individual Service Contracts and advise on of Individual Service Contracts etc



Handbook

- Act as a focal body for any coordination regarding CRV
- Procedure for coordination with users (manage the network of points of contact, meetings etc)
- Procedure for Management of new CRV parties (CRV candidates)
- Procedure for coordination with users outside APAC
- Procedure for coordination with the common Service Provider
 - interface with the CRV service provider (<= tender package) inc. review and acceptance of deliverables
- Dispute: forum to facilitate the resolution
- Procedure for management of documentation
 - under CRV-OG control: Specifications and necessary plans (IP address etc)
 - under Selected Provider control and CRV-OG approval: Network configuration / plan changes between multiple users
 - Storage of documentation



Interregional connectivity

- Needs
- Facilitation



Interregional connectivity

ICAO Region	COM Centres/States
AFI	FAOR - JOHANNESBURG INTERNATIONAL AIRPORT, South Africa
	G000 - DAKAR (FIC,ACC,COM,NOF), Senegal (HKNA - NAIROBI FIR, Kenya)
	(DNMM - LAGOS/MURTALA MUHAMMED, Nigeria)
ASIA/PAC	VTBB - BANGKOK (ACC/FIC/COM CENTRE), Thailand
	WSSS - SINGAPORE/CHANGI, Singapore
	YBBB - BRISBANE (FIR/FIC/ACC/COM/MET/NOF), Australia
EUR/NAT	EDDD - FRANKFURT/MAIN INTL COM AFTN CENTRE, Germany
	LFLF - BORDEAUX (COM), France
	LSSS - COM CENTRE SUISSE (GENEVE)
	UUUU - MOSCOW, AFTN/CIDIN COM CENTRE, CITY, Russian Federation
MID	OJAM - AMMAN/MARKA, Jordan
	OTBD - DOHA INTERNATIONAL, Qatar
NAM/CAR	KATL - HARTSFIELD - JACKSON ATLANTA INTL, United States
	KSLC - SALT LAKE CITY INTL, United States
	SBBR - BRASILIA/PRES. JUSCELINO KUBITSCHEK, DF, Brazil
SAM	SPIM - LIMA-CALLAO/INTL JORGE CHAVEZ, Peru

First needs come from AFTN and AMHS

APANPIRG 25 (Sep. 15):

ANSPs in the Asia/Pacific Region who have IPLs with other ICAO Regions should consider the following options to replace their existing IPLs:

- 1) Invite counterparts in other ICAO Regions to join CRV;
- or
- 2) Join the respective ICAO Regional IP network (e.g. PENS) ; or
- 3) Establish a bi-lateral agreement for a single telecommunication network vendor

**ICAO AFSG – SITA Workshop for AMHS Interconnection
12 – 14 August 2015, Atlanta - United States**



Interregional connectivity

- Facilitated by ICAO Regional offices
 - Action IRCM 4/11, Sep.15: Interconnection of Regional IP Networks: the APAC and EUR/NAT Offices will facilitate the arrangements to interconnect the regional IP networks in 2016 with an implementation target date envisaged for end 2017
- May need conclusions/decisions by SubGroups/PIRG



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ICAO
Procurement
section

Current CRV TF
Webconferences

UTC-time	Montreal	Atlanta	Cairo	Muscat	Delhi	Bangkok	Beijing	Brisbane	Washington DC
Wednesday, 27 January 2016, 14:00:00	Wed 09:00	Wed 09:00	Wed 16:00	Wed 18:00	Wed 19:30	Wed 21:00	Wed 22:00	Thu 00:00	Wed 09:00
Wednesday, 27 January 2016, 15:00:00	Wed 10:00	Wed 10:00	Wed 17:00	Wed 19:00	Wed 20:30	Wed 22:00	Wed 23:00	Thu 01:00	Wed 10:00
Wednesday, 27 January 2016, 16:00:00	Wed 11:00	Wed 11:00	Wed 18:00	Wed 20:00	Wed 21:30	Wed 23:00	Thu 00:00	Thu 02:00	Wed 11:00
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Symbols and colors

- Normal sleeping hours
- General working hours
- General non-working hours

USA/East.
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Common APAC-MID CRV OG?

Symbols and colors

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MID

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Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU