



ICAO

International Civil Aviation Organization

**Tenth Meeting of the Aeronautical Communication
Services Implementation Coordination Group
(ACSICG/10)**

Bangkok, Thailand, 24 - 26 May 2023

Agenda Item 10: Review ToR and update Subject/Tasks List

REVIEW WORK PROGRAMME FOR ACSICG AND AMHS FOCAL POINT

(Presented by the Secretariat)

SUMMARY

This paper presents the work programme of ACSICG as well as the AMHS Focal Contact Point for review and updates.

1. INTRODUCTION

1.1 The work programme for ACSICG was developed by ACSICG/3 meeting based on a project management methodology. The work programme reviewed by ACSICG/9 meeting is provided in **Appendix A** to this paper for review and further updates by the meeting.

1.2 The ACSICG/9 meeting also proposed the AMHS FOCAL CONTACT POINT which is also provided in **Appendix B** to this paper reviewed and updated by the meeting.

2. ACTION BY THE MEETING

2.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) take required actions as proposed in 1.1 and 1.2. and
- c) discuss any relevant matter as appropriate

Updated Work Programme of ACSICG

Reference	Title of Work	Task	Planned Start	Planned completion	Status	Action Parties	Comment
2-1	COM Strategies	Revise Strategy for implementation of Communications Systems to support ATM operations in APAC	2016	2020	Close	G/G Australia/New Zealand, USA and Japan, New Zealand, and USA	Closed in ACSICG/6
2-2	AMHS Implementation	Implement AMHS transition including migration of concerned connections to SITA Type X mid 15 and updating APAC AMHS Naming Plan	2015	2020	Close	Australia, Singapore and Thailand	Closed in ACSICG/7
2-3	AMHS Implementation Registration	Continue coordination with members and other regions to maintain the AMC	On-Going	On-Going	On-going	Thailand	
2-4	Support AIDC implementation	Support Implementation of AIDC including PAN Regional AIDC ICD	2015	2021	On-going		
2-5	SWIM implementation APAC framework (SIAP) Project	Develop Cost Benefit Analysis to support SWIM using existing underlying ATN and IP sub-network	2016	2017	Close		Dependencies: SWIM ConOps and Technical Manual In ACSICG/4, it was modified to Action Item 4-1
		Develop SWIM implementation roadmap and B1-SWIM ANRF			Close		
		Develop SWIM CONOPS refinement for APAC (FIXM, WXXXM, AIXM, NOTAM) - models/infrastructure			Close		
		Develop SWIM guidance and requirements (performance, functional, safety, security)			Close		
		Develop SWIM governance architecture	2015	2017	Close		
		Develop SWIM governance entity/procedures			Close		
		Develop SWIM access points/services architecture and definition (iterative)			Close		
		Support testing of SWIM based applications (FIXM, IWXXXM)			Close		
Coordinate SWIM implementation and transition from existing environment to SWIM	2015		Close				
2-6	CRV Project (under the TOR of CRV Task Force)	MSA/DOA	2014	2015	Close		closed in CRV OG/5
		Cost Benefit Analysis	2014	2015	Close		closed in CRV OG/5
		Users requirements (including performance and safety requirements)	2014	2015	Close		closed in CRV OG/5
		RFI	2014	2016	Close		closed in CRV OG/5
		Sealed Tender		2016	Close		closed in CRV OG/5

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		Develop/agree on CRV Design (including an IPv6 address plan)		2017	Close		
		Implementation plan		2018	Close		
		Set up CRV OG		2016	Close		
2-7	CRV-OG	Oversight CRV operations and migration of applications	2016	2021	On-going		
2-8	Support ATFM Implementation using FIXM over CRV	Support development of ATFM IP ICD including coordination on the use of CRV to support ATFM FIXM (IP ICD developed by ACSICG has been provided to ATFM Group which is considered completed)	2015	2017	Close		Task description modified in ACSICG/5. It is revised text Close in CRV OG/5
2-9		Coordinate the IP network service for ATFM	2016	2019	Close		Added into revised text of 2-8 in ACSICG/5
2-10	Support transition of ATC voice service	Coordinate the use of VoIP technology to support the existing service based on Multiplexer	2015	2019	Close		Closed in CRV OG/5
4-1	Monitoring the SWIM implementation and work of APAC SWIM Task Force	Develop Cost Benefit Analysis to support SWIM using existing underlying ATN and IP sub-network	2016	2020	Close		
		Coordinate SWIM implementation and transition from existing environment to SWIM and confirm role of CRV (SWIM over CRV - role has been confirmed in 2019)	2017	2020	Close		Closed in ACSICG/8
4-2	AMHS Support IWXXM requirement 2020	Implement AMHS FTBP to meet the requirement of IWXXM including the basic AMHS plus FTBP sub-set of extended AMHS as defined in Doc9880. (Requirements for implementation is 5 November 2020) and monitor the possible compression solution following the ICAO guidelines for IWXXM implementation	2017	2020	On-going	All States/Administrations	
5-1	AFTN/ATSMHS Routing Directory and coordination with AMC	Update to the Directory and prepare a draft new Edition of the Directory	2018		Close	All States/Administrations	Completed
6-1	AMHS direct routing requirement	Develop AMHS routing policy to gain the benefits of implementation of AMHS over CRV.	2019	NA	On-going		
CNS SG/23 Task 2019	Update AMS and Datalink Strategies	Review and update AMS and Datalink Strategies (task given by CNS SG/23 Meeting)	2019	2020	Close		

Reference	Title of Work	Task	Planned Start	Planned completion	Status	Action Parties	Comment
7-1	Monitoring the SWIM implementation and work of APAC SWIM Task Force	Demonstrate capability of CRV to support SWIM and evaluate the impacts on network bandwidth to incorporate AMHS service.	2016	2021	On-going	Hong Kong China, Singapore and Thailand, IATA as reporter to SWIM TF	On-going
7-2	CRV Operations Manual	A small ad hoc working group with CRV OG members from USA, Singapore and New Zealand to further improve the draft and get it ready for consideration by CNSG SG through a joint working paper. Thailand also agreed to provide some support to review the revised draft.	2020	2020	Close	CRV OG co-chair, New Zealand, USA, Singapore, Thailand	SL Ref.: T 8/9.1 – AP262/20 (CNS), 22 December 2020 , Subject: The availability of various regional guidance materials for implementation of Air Navigation Facilities and Services in the Asia and Pacific Regions, Conclusion CNS SG/24/4 - Publishing of CRV operational manual to provide the information and directions required for CRV OG performance and CRV operations
7-3		States with designated BBIS: Australia, China, Hong Kong, China, Fiji, India, Japan, Singapore, Thailand and USA should increase their respective connection bandwidth to greater than 64kbps if feasible and applicable. Any ANSPs that are not on the above list should upgrade their AMHS with FTBP functionality to support IWXXM traffic. ICAO Regional Office will issue a reminder to States/Administrations that have no AMHS with FTBP capability to implement or upgrade their AMHS with FTBP function as soon as possible. States/Administrations should also be requested to deploy AMHS connection with a minimum of 64Kbps bandwidth.	2020		On-going	ICAO Secretariat	State Letter: Ref.: T 8/3.5 & T 8/2.11 – AP160/20 (CNS), 6 August 2020 , Subject: Reminder for implementation of ATS Message Handling System (AMHS) in APAC Region by 2020. Traffic load data will support further action (ACSICG/9)

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Reference	Title of Work	Task	Planned Start	Planned completion	Status	Action Parties	Comment
8-1	Suggested Implications to Cybersecurity and Associated Requirements for CRV Operations	i) The Meeting requested the ICAO Secretariat to inform and follow-up about the different requirements defined in Section 3 in Flimsy01 of ACSICG/8 with different CNS Contributory bodies for their simultaneous and timely implementation. ii) CRV OG Chairs to note various requirements defined in Section 3 and initiate action to prepare strategies for contracting other services on CRV for future potential needs.	2021		Close	i) ICAO Secretariat ii) CRV OG Chairs	Replaced by new action items 9-6 by WP/08 of ACSICG/9
8-2	Interconnection of Regional Networks	ICAO Secretariat to take necessary action to discuss the interconnection of various regional networks at higher level.	2021		Close	ICAO Secretariat	Ad-hoc group created in ACSICG/9 under CRV OG. Referred back to CRV OG Keep Agenda Item in the meeting to note updates
8-3	Upgrade/Downgrade CRV Circuits Subscribed	ICAO Secretariat to take necessary action to discuss this issue with CRV OG as States should have option to upgrade/downgrade the circuits based on the need.	2021	ACSICG/10	Open	ICAO Secretariat, ACSICG chairs, CRV OG Chairs,	Meeting was held on 28 September 2021 . PCCWG will draft relevant clauses to add in Terms and conditions document of CRV contract for consideration of CRV OG/9. PCCWG will present sample calculation of penalty charges in case package degradation are opted by any contracting States within their terms of contract of CRV in CRV OG/9. Meeting held on 27 May, 19 August, 03 September 2021.
8-4	AMHS Routing Update due to CRV Post Implementation Issues in Bhutan	All six member States (Bhutan, India, Thailand, Singapore, Australia, and New Zealand) to create an Ad-hoc group with support of the ICAO Secretariat to further discuss about implementation of Option 2.	2021	ACSICG/10	Open	Bhutan, India, Thailand, Singapore, Australia, and New Zealand, ICAO Secretariat	Meeting was held on 27 May, 19 August, 03 September 2021 . New Zealand will act as BBIS No AMC updates required As on 15 Sep 2021, Next meeting after Bhutan and New Zealand discussion.

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Reference	Title of Work	Task	Planned Start	Planned completion	Status	Action Parties	Comment
9-1	Update ICAO APAC ATN/AMHS Guidance Document Tree	Ad-Hoc Group will update ICAO APAC ATN/AMHS Guidance Document Tree	2022	ACSICG/10	Open	ICAO Secretariat, China, Fiji, New Zealand (Tentative), Singapore, USA	
9-2	Traffic Loading of CRV connection	States implemented CRV should note the Bandwidth Utilization rate and may present this data in upcoming CRV OG meetings.	2022	CRV OG/11	Open	ICAO Secretariat, Member States	
9-3	A common template to report the monitoring of connection loading	ICAO Secretariat will consult with experts to propose a common template to report on the monitoring of connection loading	2022	ACSICG/10	Open	ICAO Secretariat	To support Action Item 7-3
9-4	MPLS/IP Based Inter-Regional Connection	To discuss the potential options for business cases to move forward with the proposal in MPLS/IP Based Inter-Regional Connection between CRV and REDDIG II.	2022	ACSICG/10	Open	ICAO Secretariat under CRV OG, APAC Member States having interregional connections, CRV OG Chairs, CRV and REDDIG II service providers, and interested states of SAM region	
9-5	Nomination of SAM Member States to ad-hoc group under action item 9-4	ICAO Secretariat will coordinate with ICAO SAM Office to get nomination from interested SAM Member states for joining the Ad-Hoc Group in Action Item 9-4	2022	Jul-22	Open	ICAO Secretariat	
9-6	New Agenda Item to discuss Cybersecurity issues in Aeronautical Communications	Create a regular Agenda Item from ACSICG/10 and invite States and Organizations concerned to continue the discussion on improving in the cybersecurity ideas presented in various cybersecurity-related meetings and webinars.	2022	ACSICG/10	Open	ICAO Secretariat, CANSO, IATA	
9-7	Continuation of Action Item 8-4	Bhutan and New Zealand would continue to work on above mentioned on-going proposal. The Ad-Hoc group will meet in last week of June 2022 to note the status of testing of CRV circuits between Bhutan and Thailand and progress on implementation of the temporary routing through New Zealand.	2022	ACSICG/10	Open	ICAO Secretariat, Ad-hoc expert group	

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AMHS FOCAL CONTACT POINT
(Key: **MAIN** – Main Contact; **ALT** – Alternative Contact)

Note: Info in yellow extracted from https://applications.icao.int/atn_chart/atn_chart.asp

CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
	AFGHANISTAN		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	AUSTRALIA		
MAIN	Mr. Pierre Kemmers	AIS Business Manager Airservices Australia	Tel: +61 2 6268 4426 Fax:- Email: pierre.kemmers@airservicesaustralia.com
ALT			Tel: Fax: E-mail:
	BANGLADESH		
MAIN	Mr. Saleh Ahmed Khan	Director (Communication)	Tel: 8911011 Fax: E-mail: dcom@bracnet.net
ALT			Tel: Fax: E-mail:
	BHUTAN		

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CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
MAIN	Ms. Devi M Adhikari	Sr. Communication Officer	Tel:975-08-272511 Fax: - E-mail:dmadhikari@doat.gov.bt
ALT	Mr. Sonam Dorji	Communication Officer	Tel: 975-08-272511 Fax: - E-mail:sonamdorji@doat.gov.bt
	BRUNEI DARUSSALAM		
MAIN	Mr. Hedus Abdullah	Aeronautical Telecommunications Engineer	Tel: 673 233-0518 Fax: 673 233-3666 E-mail: hedus_abdullah@civil-aviation.gov.bn
ALT			Tel: Fax: E-mail:
	CAMBODIA		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	CHINA		
MAIN	Mr Wang Tian Yu	Engineer, CNS Division of ATMB , CAAC	Tel: 86-10-87786968 Fax: 86-10-87786910 E-mail: wangtianyu@atmb.net.cn
ALT			Tel: Fax: E-mail:
	HONG KONG, CHINA		

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CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
MAIN	Ms. Silvia Mak	Senior Aeronautical Communications Supervisor	Tel: 852 2910-6201 Fax: 852 2910-1160 E-mail: wymak@cad.gov.hk
ALT			Tel: Fax: E-mail:
	MACAO, CHINA		
MAIN	Mr. Lo Veng Tong, Freeman	Safety Officer Telecommunications and Radio	Tel: 85328511213 Fax: 85328338089 E-mail: freemanlo@aacm.gov.mo
ALT			Tel: Fax: E-mail:
	FIJI		
MAIN	Mr. Kelepi Dainaki	Team Leader CNS/ATM Support	Tel: 679 673-1623 Fax: 679 673-1123 E-mail: KelepiD@fijiairports.com.fj
ALT	Mr. Shivam Naicker	Senior ATO – ATM System	Tel: 679 673-1630 Fax: 679 673-1123 E-mail: ShivamN@fijiairports.com.fj
	FRENCH POLYNESIA		
MAIN	Mr. Dider YVETOT	ATM Team leader	Tel: (+689) 40.86.10.32 Fax: E-mail: didier.yvetot@aviation-civile.gouv.fr
ALT	Eric BERNARD	Installation leader	Tel: (+689) 40.86.10.34 Fax: E-mail: eric.bernard@aviation-civile.gouv.fr
	INDIA		

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CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
MAIN	Mr. Ajay Kumar Kapur	General Manager (CNS-COM)/Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi-110003	Tel:+91 (11) 2461 0537 Fax:+91 (11) 2463 2930 E-mail: akkapur@aai.aero
ALT	Mr. Hemant Ramchandani	Joint General Manager (CNS)/ CSI Airport Mumbai-400099	Tel: +91 (22) 2682 8123 Fax: +91 (22) 2682 8000 E-mail: hemantr@aai.aero
	INDONESIA		
MAIN	Mr. Arian Nurahman	Inspector of Air Navigation (CNS) DGCA Indonesia	Tel: +6285695414428 Fax: E-mail: arian.nurahman@gmail.com
ALT	Mr. Dedy Iskandar	Junior Manager of Facility Readiness of Surveillance and Automation AIRNAV INDONESIA	Tel: +6285219917747 Fax: E-mail: dedy.nav7@gmail.com
	JAPAN		
MAIN	Mr. Yasushi Iwasawa	Special Assistant to the Director Operations and Flight Inspection Division Air Navigation Services Department Japan Civil Aviation Bureau	Tel:81-3-5253-8751 Fax:81-3-5253-1664 E-mail: iwasawa-y28j@mlit.go.jp
ALT	Mr. Hideaki Murakata	Chief of Flight Information 1 st Section Operations and Flight Inspection Division Air Navigation Services Department Japan Civil Aviation Bureau	Tel:81-3-5253-8751 Fax:81-3-5253-1664 E-mail: murakata-h446b@mlit.go.jp
	KIRIBATI		
MAIN			Tel: Fax: E-mail:

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CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
ALT			Tel: Fax: E-mail:
	LAO PDR		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	MALAYSIA		
MAIN	Mr. Muniandy Amasee	Asst Director	Tel: 603-88714280 Fax: 603-88810530 E-mail: muniandy@dca.gov.my
ALT			Tel: Fax: E-mail:
	MALDIVES		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	MALSHALL ISLANDS		
MAIN			Tel: Fax: E-mail:

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CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
ALT			Tel: Fax: E-mail:
	MICRONESIA (FEDERATED STATES OF)		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	MONGOLIA		
MAIN	Mrs Idermaa Khayankhyarvaa	Foreign relations specialist of CNS	Tel: 976-71281657 Fax: 976-71285503 E-mail: h_idermaa@mcaa.gov.mn
ALT	Mr Tsend-Ayush Batbayar	Specialist of Air Navigation Service Department Civil Aviation Authority of Mongolia	Tel: 976-71283060 Fax: E-mail: tsendayush.b@.mcaa.gov.mn
	MYANMAR		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	NAURU		

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CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	NEPAL		
MAIN	Mr. Mahendra Singh Rawal	Director , CNS/ATM dept	Tel: 977 (1) 426-5243 Fax: 977 (1) 426-2516 E-mail: mrawal@wlink.com.np
ALT			Tel: Fax: E-mail:
	NEW ZEALAND		
MAIN	Mr. Ian Dore	Software Team Leader (AIM/AMHS), ATS Development	Tel: 64 (3) 358-1697 Mobile: 64 (27) 444-9808 Fax: E-mail: ian.dore@airways.co.nz
ALT	Mr Hamish Helm	System Specialist (AIM/AMHS), ATS Development	Tel:64 (3) 358-1629 Mobile: 64 (21)804 426 Fax: E-mail:hamish.helm@airways.co.nz
	PAKISTAN		
MAIN	Shamsuddin Hakro	AdID Com Ops	Tel:021-99072351, 0333-2270913 Fax: 021-99242187 Email: adld.comops@caapakistan.com.pk; Shamsuddin.hakro@caapakistan.com.pk ;

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CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
ALT	Shahid Hussain	Sr Joint Director Com Ops	Tel: 021-99071941, 0346-2890989 Fax: - Email: shahid.hussain@caapakistan.com.pk;
	PALAU		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	PAPUA NEW GUINEA		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	PHILIPPINES		
MAIN	Ms. Mary Lyn C. Santamaria	FIC, Manila Aeronautical Data Communication Center	Tel: 63 (2) 8672-7733 Fax: 63 (2) 8851-6953 E-mail: santamariamarylyn@yahoo.com
ALT	Mr. Florante B. Banaria	CNS Systems Officer Supervisor, Manila CNS/ATM	Tel: 63 (2) 8672-7723 Fax: E-mail: florante_bb@yahoo.com
	REPUBLIC OF KOREA		
MAIN	Mr. JAE-IK LEE	Operator	Tel: 82327402341 Fax: 82327402269 E-mail: ijh1530@korea.kr

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CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
ALT			Tel: Fax: E-mail:
	SINGAPORE		
MAIN	Mr. Augustine Lau	Principal Engineer (Communications)	Tel: 6564227071 Fax: 6565422447 E-mail: augustine_lau@caas.gov.sg
ALT	Mr. Zachary Seah	Executive Engineer (Communications)	Tel: 6564227605 Fax: 6565422447 E-mail: zachary_seah@caas.gov.sg
	SOLOMON ISLANDS		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	SRI LANKA		
MAIN	Mr. W.A.M.N.K. Abeyasinghe	Senior Electronics Engineer	Tel: 94 (0)11 2633488 Fax: 94 (0)11 2633488 E-mail: abeysinghe@airport.lk ;
ALT			Tel: Fax: E-mail:
	THAILAND		
MAIN	Mr. Wanchai Rattanasing	Aeronautical Information Manager	Tel: 6622878842 Fax: 6622873131 E-mail: wanchai.ra@aerothai.co.th;

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CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
ALT	Mr. Amornsak Thorasin	Air Traffic Engineering Manager	Tel: 6622878195 Fax: 6622859253 E-mail: amornsak.th@aerothai.co.th;
	TIMOR LESTE		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	TONGA		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	TUVALU		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	USA		
MAIN	Mr. Joe Knecht	International Telecommunication Lead	Tel: 1 (609) 485-5077 Fax: 1 E-mail: joe.knecht@faa.gov;

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CAT	STATE/ NAME OF CONTACT	TITLE/ORGANIZATION	TEL/ FAX / E-MAIL
ALT	Mr. Hoang Tran	International Telecommunication	Tel: 1 (202) 267-7142 Fax: 1 E-mail: hoang.tran@faa.gov;
	VALUATU		
MAIN			Tel: Fax: E-mail:
ALT			Tel: Fax: E-mail:
	VIET NAM		
MAIN	Mr. Nguyen Hong Hiep	IT Team leader, CNS Department, VATM	Tel: +84912311618 Fax: +842438721386 E-mail: nguyenhonghiepbk@vatm.vn;
ALT	Mr. Vu Ngoc Tuan	CNS officer of CAA of VietNam	Tel: Fax: E-mail: tuanvnchk19@gmail.com;