




The Twenty Eighth Meeting of the Communications, Navigation and Surveillance Sub-group (CNS SG/28)

The Twenty Eighth Meeting of the Communications, Navigation and Surveillance Sub-group (CNS SG/28) Bangkok, Thailand 01-05 July 2024 (UTC+7)							
	09:00 -09:30	30 Min	10:00-11:30	1.5 Hour	13:00 - 14:30	30 Min	15:00 - 16:00
Mon 01 July (Day-1)	<u>Session 1 (Opening Session):</u> 30 min Registration 08:00 - 08:45 <ul style="list-style-type: none"> ➤ Opening Remarks by Mr. Tao Ma, RD, ICAO APAC Office ➤ Opening Remarks by Mr. Richard Wu, CNS SG Chair ➤ Introduction of Participants ➤ Administrative Information ➤ Group Photo Note: 1) Please download meeting documents from here .	COFFEE (Sponsored by Aireon)	<u>Session 2: 90 min</u> Agenda Item 1: Adoption of the Agenda <ul style="list-style-type: none"> ➤ WP/01 - Provisional Agenda - Sec Agenda Item 2: Review outcomes of 41st Session of ICAO Assembly, APANPIRG, APAC ANSP Committee, ATM Sub-group, MET Sub-group and other Meetings relevant to CNS Sub-group <ul style="list-style-type: none"> ➤ WP/02 - Review of Relevant Meetings-2023 – Sec ➤ WP/19- Global and Regional updates relevant to CNS- Sec ➤ WP/23- CNS SG/27 and APANPIRG/34 Conclusions/Decisions, and Action Items- Sec 	LUNCH (Sponsored by Thales)	<u>Session 3: 90 min</u> Agenda Item 3: Aeronautical Fixed Service (AFS) <ul style="list-style-type: none"> ➤ WP/05- Review the Report of the ACSICG/11- ACSICG Co-Chair Agenda Item 4: Information Management (IM) <ul style="list-style-type: none"> ➤ WP/06- Review Report of SWIM TF/8 and SWIM TF/9 – SWIM TF Co-Chair ➤ WP/07- The ICAO provisions in various Annexes/PANS concerning FF-ICE services and SWIM- Sec ➤ IP/02- Outcomes of System Wide Information Management Seminar- Sec ➤ IP/26- Progress update on SWIM Implementation in Malaysia 	COFFEE (Sponsored by Aireon)	<u>Session 4: 60 min</u> Agenda Item 5: Aeronautical Mobile Communications Service and Aeronautical electromagnetic spectrum utilization <ul style="list-style-type: none"> ➤ WP/08- Review Report of SRWG/8- Sec ➤ WP/11- Future VHF Study Group- Singapore ➤ WP/31- Space Based VHF Update- Australia ➤ WP/12- ITU WRC23 Updates- Sec ➤ WP/13- Guidance Material on the Protection of Radio Altimeter from Potential Harmful Interference from Cellular 5G Communications- Sec


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Tue 02 July (Day-2)	<u>Session 5: 60 min</u> Agenda Item 5: Aeronautical Mobile Communications Service and Aeronautical electromagnetic spectrum utilization <ul style="list-style-type: none"> ➤ WP/21- Amendment 91 to Annex 10, Volume III on Selective Calling (SELCAL) Codes- Sec ➤ WP/22- AeroMACS Sub-Group progress under the CP-DCIWG-WG-M- China ➤ IP/12- Research and Validation of Data Link Technology Based on the Integration of CPDLC and ACARS ATS- China ➤ IP/13- Status of LDACS Development in China ➤ IP/24- ADS-B 24-Bit Addressing for sub-orbital Aircraft and Urban Mobility UAS- Malaysia ➤ IP/28- Communication and Satellite Service Provider Outages and Service Degradations Impacting Air Traffic Operations- USA 	COFFEE (Sponsored by Frequentis)	<u>Session 6: 60 min</u> Agenda Item 6: Navigation <ul style="list-style-type: none"> ➤ WP/14- Review Report of the Eleventh Meeting of PBNICG/11- Sec ➤ WP/15- Review Report of the GBAS/SBAS ITF/6– GBAS/SBAS ITF Co-Chair ➤ WP/10- Feasibility Study and Trials of using Drone to enhance efficiency in Flight Inspection at Hong Kong International Airport- HK China ➤ IP/16- Navigation and Surveillance Ground Inspection in Indonesia ➤ IP/21- Improvement of Navigational Aids check by using Drone in Republic of Korea 	LUNCH (Sponsored by Indra)	<u>Session 7: 90 min</u> Agenda Item 6: Navigation <ul style="list-style-type: none"> ➤ WP/09- ICAO Recommendations and Guidance on GNSS Vulnerability- Sec ➤ WP/32- Raising industry awareness of GNSS Interference and seeking industry cooperation- Aireon ➤ WP/33- GNSS RFI- IATA ➤ WP/35- Importance of Monitoring GNSS Signal Interference- ROK ➤ IP/11- Introduction of The Data-Driven GNSS Interference Detection and Localization Method – China 	COFFEE (Sponsored by Frequentis)	<u>Session 8: 60 min</u> Agenda Item 6: Navigation <ul style="list-style-type: none"> ➤ WP/24- Update of Flight Inspection Guidance Material - HK China ➤ IP/09- BDS standardization status in ICAO- China ➤ IP/14- Southern Positioning Augmentation Network (SouthPAN) program- Australia


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Wed 03 July (Day-3)	<u>Session 9:</u> 60 min Agenda Item 2: Review outcomes of 41st Session of ICAO Assembly, APANPIRG, APAC ANSP Committee, ATM Sub-group, MET Sub-group and other Meetings relevant to CNS Sub-group <ul style="list-style-type: none"> ➤ WP/03 - Relevant outcomes of ATM SG and other relevant Meetings – Sec ➤ WP/04- Relevant Outcomes of the MET SG- Sec Agenda Item 7: Surveillance <ul style="list-style-type: none"> ➤ IP/05- Outcome of the Fourth Meeting of the Surveillance Study Group SURSG/4- Sec ➤ WP/16- Review Report of the SURICG/9 Meeting – Sec 	COFFEE	<u>Session 10:</u> 60 min Agenda Item 7: Surveillance <ul style="list-style-type: none"> ➤ IP/23- Enhancing Air Navigation cooperation between Malaysia and India in the bay of Bengal- Malaysia Agenda Item 8: Automation <ul style="list-style-type: none"> ➤ WP/27 Review Outcomes of the Seminar on ATM AS and the ATMAS TF/5 Meeting – Sec ➤ WP/30- Complexities in Procuring ATM Automation Systems and Sub-Systems Incorporating COTS Components- Nepal ➤ IP/20- New Zealand Approach to ATMAS Resilience Development 	LUNCH	<u>Session 11:</u> 90 min Agenda Item 9: Regional implementation review and updates <ul style="list-style-type: none"> ➤ WP/17 - Updates on Seamless ANS Plan V4.0– Sec ➤ WP/18- Workshop on Seamless ANS Reporting Tool – Sec ➤ WP/20- Beijing Declaration Implementation in CNS- Sec ➤ WP/25- Guidance Document for achieving high resilience in Sustaining operations of Critical Aeronautical Infrastructure - HK China 	COFFEE	<u>Session 12:</u> 60 min Agenda Item 9: Regional implementation review and updates <ul style="list-style-type: none"> ➤ IP/07- Tackle the Equipment Renewal for Sustainable Navigation Services – Japan ➤ IP/22- Current developments in CNS/ATM systems in Sri Lanka Agenda Item 10: Review the status of CNS deficiencies (APANPIRG Deficiency List) <ul style="list-style-type: none"> ➤ WP/28- Review Status of CNS Deficiencies – Sec

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Thu 4 July (Day-4)	<u>Session 13:</u> 60 min Agenda Item 12: Cybersecurity of CNS/ATM systems <ul style="list-style-type: none"> ➤ SP04- Update on Trust Framework Activities - the Secretary of the Trust Framework Panel – Sec ➤ WP/26- Strengthening Aviation Cybersecurity through Organizing Attack-with-Defence Exercise - HK China ➤ SP02- Deep Inside Cyber Security- Sangfor 	COFFEE (Sponsored by Sangfor)	<u>Session 14:</u> 60 min Agenda Item 11: Capacity Building, including Human Factors and Air Traffic Safety Electronics Personnel (ATSEPs) related training <ul style="list-style-type: none"> ➤ WP/34-Supervisory and managerial Roles of ATSEP – Proposed- IFATSEA ➤ IP/10- Implementation and Outcomes of the CNS &ATM Workshop and Training- China ➤ IP/17- ATSEP Licensing System in Indonesia ➤ IP/18- Formulation of FRMS ATSEP in Indonesia ➤ IP/25- Training Initiatives for Air Traffic Safety Electronics Personnel (ATSEP) to Enhance Aviation Safety- Malaysia ➤ IP/27- Updated information on the TA project ATM infrastructure operations capability building for Lao PDR 	LUNCH (Sponsored by Golden Wealth)	<u>Session 15:</u> 90 min Agenda Item 13: Innovation and New Technologies <ul style="list-style-type: none"> ➤ IP/08- Implementing Interference Prevention Techniques Using a High-Performance Frequency Simulator – Japan ➤ IP/15- Success of APICS 2023 – HK China ➤ IP/19- HF Modernization in Indonesia ➤ SP/03- FOD Solutions using AI 	COFFEE (Sponsored by Sangfor)	<u>Session 16:</u> 60 min Agenda Item 14: Any Other Business <ul style="list-style-type: none"> ➤ WP/29- CNS Point of Contact (PoC)- Sec ➤ IP/03- Additional CNS events in 2024- Sec ➤ IP/04- Updates on Second Asia Pacific Ministerial Declaration on Civil Aviation (Delhi) – Sec Agenda Item 15: Date of next Meeting <ul style="list-style-type: none"> ➤ IP/06- CNS Meeting Planning for 2025 – Sec

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Fri. 5 July (Day-5)	COFFEE	<u>Session 17: 120 min</u> Agenda Item 9: Next meetings and any other business <ul style="list-style-type: none"> ➤ <i>Next Meeting Date</i> ➤ <i>Any Other Business</i> ➤ <i>Review of Meeting Report</i> ➤ <i>Review of Action Items from CNS SG/28</i> ➤ <i>Closing Remarks</i> 	FAREWELL LUNCH