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4 octobre 2018

Annexes: 3 (disponibles en anglais seulement)

Objet: Conférence africaine sur la prestation de services météorologiques destinés à l'aviation (ACMA) (Dakar, 28-30 novembre 2018)

Suite à donner: Désigner deux participants à la Conférence d'ici le **12 octobre 2018**

Madame, Monsieur,

J'ai le plaisir de vous informer qu'à l'aimable invitation du Gouvernement sénégalais, l'Organisation météorologique mondiale (OMM) organise la Conférence africaine sur la prestation de services météorologiques destinés à l'aviation (ACMA). À sa seizième session, organisée à Praia en février 2015, le Conseil régional I, par sa résolution 2, a appelé de ses vœux l'organisation d'une conférence régionale sur l'avenir de la prestation de services météorologiques à l'aviation civile dans l'optique d'une approche régionale concertée dans la Région I, compte tenu de l'évolution du système de gestion du trafic aérien et des besoins en matière d'information ainsi que des conclusions de la Réunion météorologie à l'échelon division de l'OACI et de l'OMM, tenue en 2014.

La conférence (ACMA-18) se tiendra à Dakar du 28 au 30 novembre 2018. Elle est organisée en collaboration avec l'Agence nationale de l'aviation civile et de la météorologie (ANACIM) du Sénégal et en coordination étroite avec l'Agence pour la sécurité de la navigation aérienne en Afrique et à Madagascar (ASECNA), l'Organisation de l'aviation civile internationale (OACI) et d'autres parties prenantes.

La conférence donnera aux participants l'occasion de présenter les questions se rapportant à la météorologie aéronautique qui se posent à l'échelon national et sous-régional et qui font partie des priorités du Conseil régional I. Ils pourront aborder ensemble les défis qui se posent, les opportunités qui s'offrent à eux ainsi que les priorités et les risques découlant de l'évolution du contexte mondial et régional, notamment dans le cadre du Plan mondial de navigation aérienne de l'OACI et de sa méthode de mise à niveau par blocs (ASBU). La conférence portera aussi sur les thématiques nouvelles telles que l'impact du changement climatique sur l'aviation, qui s'inscrit dans le cadre des problématiques liées au climat auxquelles doivent faire face les Membres de la Région. Le secteur de l'aviation et ceux qui utilisent les informations météorologiques aéronautiques devraient être largement représentés à la conférence, car il s'agit de définir la situation de l'aéronautique en Afrique et de mieux comprendre les besoins actuels et nouveaux des usagers en la matière.

Vous trouverez ci-joint une note de synthèse indiquant les objectifs et les résultats attendus de la conférence (annexe 1) et un ordre du jour provisoire (annexe 2).

Aux: Représentants permanents des Membres de la Région I

Étant donné l'importance que revêt ce sujet, la conférence s'adresse au personnel d'encadrement des Services météorologiques et hydrologiques nationaux (SMHN) (de préférence les représentants permanents, les directeurs et/ou le personnel d'encadrement responsable des services météorologiques destinés à l'aéronautique). En fonction de la législation nationale et des accords de prestation de services des différents Membres de la Région I, un prestataire de services de météorologie aéronautique peut ne pas faire partie d'un SMHN; le cas échéant, nous vous encourageons à inviter aussi d'autres participants relevant dudit prestataire pour faciliter la coopération et la compréhension mutuelle entre les diverses organisations associées à la prestation de services de météorologie aéronautique.

Nous espérons que le gouvernement de votre pays pourra prendre en charge vos frais de participation. Si toutefois cela n'était pas possible, l'OMM pourrait envisager d'accorder, sur demande, une assistance financière couvrant les frais de voyage et/ou de séjour d'un participant par pays. L'assistance financière de l'OMM ira en priorité aux participants des pays les moins avancés. Je tiens à attirer votre attention sur les dispositions suivantes:

«Pour les personnes qui ne font pas partie de son personnel mais qui sont autorisées à voyager à ses frais et/ou au bénéfice d'une indemnité journalière de subsistance, l'OMM accepte une responsabilité limitée en matière de compensation en cas de décès, maladie ou accident imputable à la présence à des réunions ou à l'exercice de fonctions au service de l'Organisation. Ces personnes doivent donc prendre entièrement à leur charge toute dépense découlant de circonstances étrangères à leur présence à des réunions ou à l'exercice de fonctions au service de l'Organisation et il leur appartient de conclure toute assurance sur la vie, assurance maladie ou toute autre forme d'assurance qu'elles jugeraient utiles.»

Je vous saurais donc gré de bien vouloir désigner un ou plusieurs participants de votre pays en remplissant à cet effet le formulaire ci-joint de désignation d'un participant (annexe 4) et en précisant si une assistance financière est requise. Veuillez renvoyer ce formulaire dûment rempli (un par participant) au Secrétariat de l'OMM (fax: +41 22 730 8269) et une copie numérisée à Mme Josine Umugwaneza (ajumugwaneza@wmo.int) le plus rapidement possible et au plus tard le **12 octobre 2018**.

Veuillez agréer, Madame, Monsieur, l'expression de ma considération distinguée.



(P. Taalas)
Secrétaire général

AFRICAN CONFERENCE ON METEOROLOGY FOR AVIATION (ACMA-2018)**Dakar, Senegal, 28-30 November 2018****CONCEPT NOTE****OUTLINE:**

- Background
 - o ICAO Meteorology Divisional Meeting (MET/14) held in 2014 conjointly with fifteenth session of WMO Commission for Aeronautical Meteorology (CAeM-15)
 - o Sixteenth session of the WMO Regional Association I (Africa) (RA I-16) held in 2015
- Objective
 - o Raise awareness and strengthen mutual understanding of global and regional developments
 - o Promote appropriate regional cooperation mechanisms and coordinated approaches
 - o Identify opportunities and risks for NMHSs and seek ways to resolve known deficiencies
 - o Focus on business models and related governance
- Stakeholders/Partners:
 - o WMO RA I and CAeM
 - o ICAO
 - o ASECNA
 - o AMCOMET
 - o Users – IATA, IFALPA, other user organizations
 - o Industry (e.g. MFI, ...)
 - o ICAO/WMO centres: WAFC London, VAAC Toulouse, TCAC La Réunion
- Format and outcomes

1. Background

1.1. At its sixteenth session held in Praia, Cabo Verde in February 2015, WMO Regional Association I (Africa) considered the need to raise the awareness that the coming changes in the global and regional air traffic management (ATM) and the related changes in meteorological (MET) service provision would have a major impact on the provision of MET services as part of the air navigation services by most RA I Members. Among those was an increasing pressure for more competitive and commercial MET service provision. The Association underlined that these trends need to be carefully monitored and discussed, given the importance of assuring aviation safety and service quality, and sustaining fair and equitable cost recovery mechanisms

1.2. The Association agreed on the need to gain a greater understanding of these issues to better inform future discussions and requested the WMO Secretariat to

organize a regional conference that would also build on the outcomes of the 2014 ICAO Meteorology Divisional Meeting (MET/14) held conjointly with the fifteenth session of the WMO Commission for Aeronautical Meteorology (CAeM-15). The Association accordingly adopted Resolution 2 (RA I-16) — Future development of meteorological service provision to civil aviation in Region I (Africa).

1.3. MET/14 was an important milestone in the development of the aeronautical MET service. It gave clear directions for the future in particular the need for full integration of the MET information and services in the global framework presented in the ICAO Global Air Navigation Plan (GANP) and its aviation system block upgrades (ASBU) methodology. MET/14 adopted 29 recommendations which marked the future performance improvements of the MET services throughout the time horizon of the GANP/ASBU blocks – currently 2030 and beyond. WMO is a key stakeholder in the coordinated follow up action on the MET/14 recommendations, in particular in providing the necessary scientific and technical methods and practices for those improvements. Africa is an arena of vigorous development of the new ATM environment, both in technology and regulations. Therefore, ACMA-2018 will be an opportunity to coordinate the African response to the outcomes of the MET/14 and other relevant events that have followed such as the CAeM-16 and TECO in 2018, and to promote a regional coordinated approach.

2. Objectives

- 2.1. To raise awareness among RA I Members concerning:
- Current and future developments in Africa towards more efficient organization of the air traffic in the Region I and related institutional and technological changes with impacts on the provision of meteorological service.
 - Major outcomes of MET/14 related to the GANP and ASBU that would require adjustment of existing or new business models for service delivery, including the shift from “product-centric” to “data-centric” information services, regionalization and globalization.
 - New technology to achieve performance improvements in the light of SESAR, NextGen and other such ATM modernization programmes, new concepts and systems (e.g., system-wide information management or SWIM).
- 2.2. To promote the development of a coordinated approach among the RA I Members in addressing the numerous organizational, regulatory and operational issues related to the MET service provision in the African ATM environment and enhance regional coordination and cooperation.
- 2.3. Strengthen the mutual understanding with ATM stakeholders.

3. Stakeholders/Partners

3.1. ACMA-2018 will be organized under the aegis of WMO Regional Association I (Africa) and under the patronage of the RA I President. It will be intended mostly for the RA I Members Directors and senior management of the NMHSs and other providers of aeronautical meteorological services. Partnership and coordination with sub-regional bodies like ASECNA is highly desirable.

3.2. The event will be supported thematically by the WMO Commission for Aeronautical Meteorology (CAeM) in view of the global character of the discussed issues. In this regard, the experience of a similar European conference held in RA VI (Europe) in 2015 will be utilized.

3.3. Participation of representatives of the ATM community from different segments (airlines, ANS providers, airport management, etc.) will be crucial for building common awareness and understanding. Primary partners in organizing the event will be ICAO and ASECNA, while other partners such as IATA, IFALPA, CANSO and other relevant organizations (e.g. world area forecast centres, volcanic ash advisory centres and tropical cyclone advisory centres providing service for Africa) will be contacted and strongly encouraged to participate and present their point of view.

4. Format and outcomes

4.1. ACMA-2018 will be organized under an agenda encompassing institutional and technological aspects of the future MET services for ATM with a strong focus on African developments.

4.2. The sessions will include keynote presentations by relevant stakeholders outlining the major drivers for change. The keynotes will be followed by presentations of existing best practices and planning examples, including relevant ongoing research and development efforts.

4.3. Breakout groups (on sub-regional basis) will explore specific topics.

4.4. A panel session will be held to formulate conference recommendations and to prepare a general statement of the conference for adoption immediately prior to the closure of the conference.

4.5. An organizing committee will be responsible for the planning, preparing and conducting the conference in coordination with the local organizers.

4.6. The outcomes of the conference (recommendations and statement) will be reported to the seventeenth session of WMO Regional Association I (RA I-17) with a view to assisting in the formulation of regional follow-up activities. Other bodies such as the African Ministerial Conference on Meteorology (AMCOMET) and Commission for Aeronautical Meteorology (CAeM) will also be kept informed.

AFRICAN CONFERENCE ON METEOROLOGY FOR AVIATION (ACMA-2018)**Dakar, Senegal, 28-30 November 2018****PROVISIONAL PROGRAMME****Day 1: Wednesday 28 November 2018****08:30-09:30** *REGISTRATION***09:30-10:30** **Opening and keynote addresses**

ACMA-2018 will be opened with several addresses and keynotes on behalf of WMO, ICAO and other partners, as well as the host country. The president of the WMO Regional Association I (Africa) and the president of the Commission for Aeronautical Meteorology (CAeM) will set the scene outlining the objectives, the challenges, and the expected outcomes of the Conference.

Opening addresses: Host country, WMO, ICAO, ASECNA

Keynotes: President of RA I and president of CAeM

11:00-12:30 **Session 1: African aviation landscape (1)**

Presentations during this session will outline the relevant African aviation policies and initiatives — AFCAC, AMCOMET, ICAO and industry representatives.

Plus:

- Acknowledgement of sponsors.
- Tour of exhibition area

14:00-15:30 **Session 1 (cont.): African aviation landscape (2)**

Regional stakeholders — ATM, airlines and other industry representatives.

16:00-17:30 **Session 2: Global ATM concept and foreseen MET service changes**

How ICAO's Global Air Navigation Plan (GANP) and its aviation system block upgrades (ASBU) methodology are changing the requirements for meteorological service for international air navigation. The ASBU timeline and related MET modules will be explained. Paradigm shifts in the MET service provision, e.g., the shift from "product-centric" to "data-centric", will be discussed to build better awareness. An impact assessment regarding the forthcoming technological and institutional changes will be presented.

Day 2: Thursday 29 November 2018**09:00-10:30 Session 3: MET response – Opportunities and risks (1)**

Several national case studies will be presented describing examples of national planning for the GANP challenges with the understanding that there are new opportunities but also risks for the NMHSs and other aeronautical MET service providers. Opportunities for meeting the challenges through multi-national cooperation will also be addressed.

Highlighting key issues and deficiencies:

- Institutional aspects – legislation, funding, cost-recovery.
- Deficiencies – infrastructure, equipment, competence, qualification.

11:00-12:30 Session 3 (cont.): MET response – Opportunities and risks (2)

More national cases; introduction to near-term implementation challenges, such as the migration to XML/GML encoded information and the need for a synchronized regional implementation. Impacts of climate change on aviation, a new subject for the Commission for Aeronautical Meteorology, will also be presented as part of the climate-related challenges for RA I Members.

14:00-15:30 Session 3 (cont.): MET response – Opportunities and risks (3)

More national or sub-regional cases studies as well as industry solutions.

16:00-17:30 Session 4: Sub-regional challenges and priorities (1)

Breakout groups

Day 3: Friday 30 November 2018**09:00-10:30 Session 4 (cont.): Sub-regional challenges and priorities (2)**

Reports of breakout groups

11:00-12:30 Session 5: Panel session

A panel session will be held to summarize the discussions and highlight the main issues for RA I Members and their aviation MET service providers in the current regional and global dynamics, including the need for Members to ensure compliance with the new requirements stemming from African aviation policies and initiatives and GANP/ASBU.

In the spirit of regional cooperation promoted by the WMO, the session will formulate a series of recommendations to be considered by the RA I and CAeM management bodies in providing a streamlined guidance to Members on the challenges, opportunities and risks, in order to enable concrete action planning at national and regional level as a response to those challenges.

14:00-15:00 Adoption of ACMA-2018 Statement and conference closure



WMO OMM

World Meteorological Organization
 Organisation météorologique mondiale
 Organización Meteorológica Mundial
 Всемирная метеорологическая организация
 المنظمة العالمية للأرصاد الجوية
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ANNEX 3

African Conference on Meteorology for Aviation (ACMA-2018)
Dakar, Senegal, 28-30 November 2018

PARTICIPANT NOMINATION FORM

The Government of nominates the following expert as a participant for the above-captioned Workshop:

1. Title: (a) Dr (b) Mr (c) Mrs (d) Ms _____
2. Family Name: _____
3. Sex: (a) Male (b) Female _____
4. Full Address: _____
 Tel No.: (office) _____ Fax No.: _____
 E-mail: _____
5. Please complete if financial assistance is required from WMO:

Support required:	YES	NO
(i) Travel:	☐	☐
(ii) Lump sum payment in lieu of DSA:	☐	☐

 Date:

 (Signature of Permanent Representative)

This Form is to be completed and returned via facsimile to the WMO Secretariat at: fax number +41 22 730 8269, with a scanned copy to Ms Anne Josine Umugwaneza (ajumugwaneza@wmo.int) as soon as possible, but not later than 12 October 2018.