

WORK PROGRAMME REPORTING, REVIEW AND COORDINATION

Expert Network on Aeronautical Meteorological Hazards Science (EN-MHS)

(Submitted by Sharon Sum Yee Lau and Matt Strahan as co-leads of EN-MHS)

Summary and Purpose of Document

This document provides a progress report on the activities of EN-MHS since its establishment following the CAeM-16 session in July 2018. The composition of the expert network as well as draft terms of reference, work plan and other considerations are presented for review by the Management Group.

ACTION PROPOSED

The Management Group (MG) is invited to:

- (1) review the composition, draft terms of reference and work plan, and other considerations of the expert network;
 - (2) offer comment and/or strategic direction in respect of (1) above.
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1. EXPERT NETWORK ON AERONAUTICAL METEOROLOGICAL HAZARDS SCIENCE (EN-MHS) PROGRESS REPORT

Composition

1.1 The Expert Network on Aeronautical Meteorological Hazards Science (EN-MHS) comprises the following lead and core experts:

LAST NAME	First name	Country	Lead or Core Expert	Regional Association
LAU	Sharon Sum Yee	Hong Kong, China	Co-lead	II
STRAHAN	Matt	United States of America	Co-lead	IV
BUCHANAN	Piers	United Kingdom	Core	VI
DAVIS	Cory	New Zealand	Core	V
GIJBEN	Morné	South Africa	Core	I
KOMATSU	Naoko	Japan	Core	II
NIKITINA	Larisa	Russian Federation	Core	VI

Terms of reference

1.2 Draft terms of reference the expert network are given in Part A of the EN-MHS work plan, as presented at [Annex A](#).

Work plan

1.3 A draft work plan of the expert network is given in Part B of the EN-MHS work plan, as presented at [Annex B](#).

Proposed working methodology and coordination needs

1.4 The expert network plans to conduct its business via bi-monthly teleconference and email exchanges. Since most of the core experts are involved in the WMO Aviation Research and Development Project (AvRDP) or ICAO Meteorology Panel (METP) work, opportunities will also be taken during those events to have some small group discussions.

1.5 Encouraged by the continuing success of the AvRDP, the WMO Executive Council at its 68th Session in 2016 (EC-68) endorsed the upgrade of AvRDP to a WMO Inter-Commission Aviation Research Project which expanded the project's scope. On behalf of CAeM, EN-MHS will coordinate with the relevant bodies under the Commission for Atmospheric Sciences (CAS) and Commission for Basic Systems (CBS) to refine the roadmap on upgrading of AvRDP to an Inter-Commission project.

1.6 The Regional Hazardous Weather Advisory Centre (RHWAC) work stream under the METP Working Group on Meteorological Information Services Development (WG-MISD) is considering the need of a trial to validate a proposed new advisory product before its introduction. Subject to the decision of WG-MISD/METP, the expert network (E-MHS) might consider taking forward the trial in coordination with the RHWAC work stream of ICAO.

Other considerations

1.7 None identified.
