



MEETING OF THE METEOROLOGY PANEL (METP) WORKING GROUP MOG

SEVENTH MEETING

Offenbach, Germany, 11 to 13 April 2018

Agenda Item 3: Work required in support of WAFS Developments 3.3.1 Matters relating to gridded WAFS products

GRIDDED DATA ABOVE FL530

(Presented by the WAFS Provider States)

SUMMARY

At present, the upper limit to WAFS wind and temperature data is FL530. The group is invited to consider whether METP-WG/MRI should be invited to determine future requirements that may arise from aviation users operating up into the stratosphere.

Action by the METP-WG/MOG is in paragraph 4.

1. INTRODUCTION

1.1 This paper provides the opportunity for the group to assist in determining whether there is a future requirement for the WAFSs to provide wind and temperature gridded data above FL530.

2. DISCUSSION

2.1 Having attended the Second Global Air Navigation Industry Symposium (GANIS/2) the WAFSs recognise that there is increased commercial activity in the stratosphere. This includes high altitude drones and balloons, and the transit of commercial space flights to and from the mesosphere.

2.2 Users are believed to be accessing meteorological information including winds and temperature from a variety of sources to meet their planning and operational needs.

2.3 Up until 2007 the WAFSs provided wind and temperature gridded data for FL600 (70hPa). Since then the upper limit to wind and temperature is FL530 (100hPa), and there is no plan to increase this at present. The native model used in the creation of WAFS London gridded data has an 80km “lid” therefore data could potentially be provided throughout the stratosphere.

2.4 The WAFCs Providers are seeking guidance on whether there is a requirement to produce this high altitude data. Assistance is sought from the METP-WG/MISD to establish any specific requirements for this data, and to assess the user need. Attachment A (separate document) is a SN for the Fourth Meeting of the WG-MRI (9-10 May 2018, Washington DC).

3. CONCLUSION

3.1 The METP-WG/MOG is invited to formulate the following draft action:

Action 7/xx — Wind and Temp data above FL530

That the Rapporteur of METP WG-MOG deliver the study note in Attachment A to the Fourth Meeting of the METPWG-MRI inviting them to investigate the need to establish any requirement for the WAFCs to produce wind and temperature gridded data above FL530.

4. ACTION BY THE METP-WG/MOG

4.1 The METP-WG/MOG is invited to:

- a) note the information contained in this paper; and
- b) consider the draft action inviting METP-WG/MRI to determine the requirements for data above FL530.

