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Proposed amendment to the  
*Technical Regulations*  
(WMO-No. 49) Volume I and  
update to WMO-No. 1209  
Aeronautical Meteorological  
Personnel (AMP) Qualifications  
and Competencies

SERCOM-2 Side Event  
17 October 2022  
(In-person only)

In support of  
SERCOM-2/Doc 5.1(3)

Agenda Item 5.1

Submitted by SC-AVI

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Background

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Summary of the change

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Drivers for change

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Impacts of the change

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Benefits of the change

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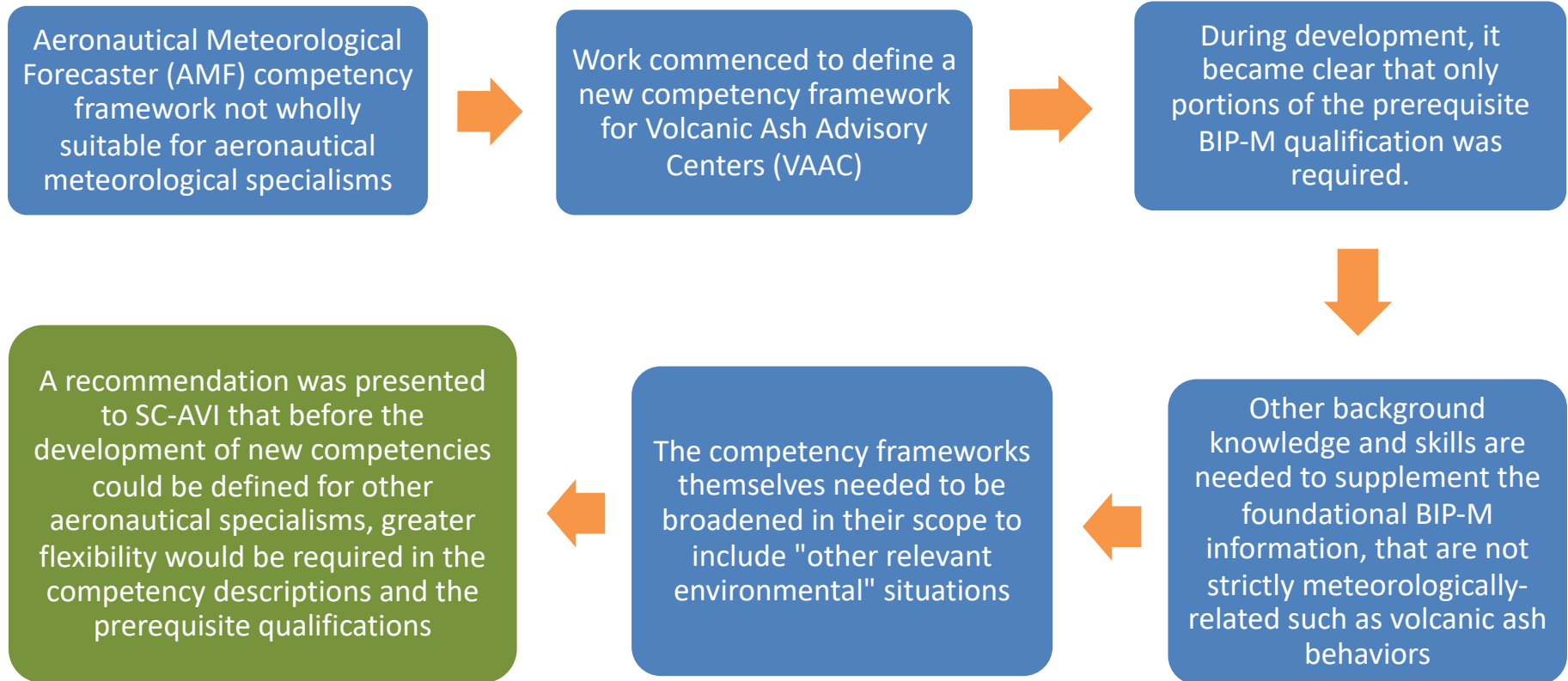
Q&A

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Supporting resources

# Content

# Background



# Summary of the change

## Qualifications

### FROM:

WMO defines completion of the BIP-M as standard prerequisite qualification for ALL AMF



### TO:

WMO Members to define the minimum qualification requirements for each category of operational personnel providing aeronautical meteorological services

## Competencies

### FROM:

Reference to "weather"



### TO:

Reference to "weather" and "other relevant environmental phenomena"

# Drivers for change

- Over the coming decade, aeronautical meteorological services will see a period of significant global change.
- Increasing emphasis on the evolving role of Aeronautical Meteorological Personnel (AMP) in response to service delivery transformation.
- Prerequisite qualifications must be revised to accommodate the evolving forecast process and service delivery needs of customers.
- Compliance investment to creating and maintaining a competent, responsive, job-ready workforce.
- Only components of the BIP-M are essential for services such as Volcanic Ash and Tropical Cyclones.
- The BIP-M is not fit-for-purpose for new and emerging services such as Space Weather.



# Impact of the change

## Qualifications

Aeronautical meteorological service providers currently employing Aeronautical Meteorological Forecasters possessing the BIP-M can continue to do so.

Aeronautical meteorological service providers can define alternate or additional qualifications that provide the underpinning skills and knowledge appropriate for each category of personnel.

Aeronautical meteorological service providers **must continue to keep adequate records** that the employee has completed the required prerequisite learning.


## Competencies

The broadened scope will have no impact on AMP competency frameworks currently being implemented by aeronautical meteorological service providers (AMSP).

Existing implementation plans can continue as they are.



# Benefits of the change



Allows for a greater degree of flexibility in prerequisite qualifications, spanning a range of scientific specialisms outside of traditional meteorology.

Recognizes the ability of a person to acquire the relevant background skills and knowledge to support competency through other means such as on-the-job experience and field work.

Anticipates future skill requirements in consideration of the changing role of aeronautical meteorological personnel linked to service delivery transformation.

Increased focus on competency-based training, creating more targeted and cost-effective training program, potentially reducing the amount of time in classroom training.

Enables the aeronautical meteorological service provider to determine the level of academic rigour suitable for the underpinning skills and knowledge in support of the AMP functions specific to their national needs.





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Questions?





# Supporting Resources

- SERCOM-2 draft documents for discussion:  
<https://meetings.wmo.int/SERCOM-2>
- WMO Aviation website:  
<https://community.wmo.int/activity-areas/aviation/resources/amp-qual-comp-amendments>
  - FAQs
  - Information Sheets (English Only)
  - Have your say: Feedback Form
  - Have your say: Discussion Forum



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[www.wmo.int/aviation](http://www.wmo.int/aviation)

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**WMO OMM**

World Meteorological Organization

Organisation météorologique mondiale