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*4th session of the*  
**SAHF EXECUTIVE COUNCIL MEETING**

# Testing new approaches to long-term sustainability

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# DISCUSSION OUTLINE / OBJECTIVES

- I. The Problem – how to quantify the value of NMHSs to governments and society
- II. Outcomes – maximize value of NMHSs
- III. Proposed approach – A case study
- IV. Draft resolutions



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# The Problem

Brief Overview

# Internal and external value of NMHS

- NMHSs need to demonstrate relevance and maximize value to consumers, stakeholders and government owners
- Cost-benefit analyses only partially explain value
- Need tools to estimate tangible and intangible value:
  - Financial (budget and how it is spent)
  - Manufactured (e.g., observations)
  - Intellectual (e.g., forecasts, data)
  - Human (e.g., staff opportunities)
  - Social and Relational (e.g., international (WMO, ECMWF), regional (SAHF) and national partnerships (intra-governmental)).

# Optimize Operating Model

- How does an NMHS function to maximize value?
  - Are the organization's current strategies aligned properly?
  - Could services be expanded or improved by adjusting the elements that change value in the organization?
  - What is the potential for SAHF to add value through partnerships?
- What are the appropriate indicators of value?





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# Outcomes

# Value Creation

- Understand how value is created, transformed or sometimes decreased across all aspects of an NMHS
- Apply performance indicators to ensure the full value is being realized
- Articulate value through engagement with NMHS' owners and with the citizens whom they serve.



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# Proposed Approach

A case study – see Info Doc 5.1 for details



# A specific country approach

- Analyze one country as a proof-of-concept of how an NMHS value creation results from increases, decreases or transformation of financial, manufactured, intellectual, human, social and relational elements
- Evaluate the role of SAHF in the process
- Apply the analysis to Aeronautical Meteorological Services as an example of a regulated, tailored service (Info Doc 5.4)
- Apply performance indicators to ensure the full value is being realized
- Articulate value through engagement with NMHS' owners and with the citizens whom they serve.
- Report back to SAHF EC



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# Draft Resolutions

# For consideration by SAHF EC

- Requests the SAHF partnership through RIMES to work with SAHF NMHSs to assist them to develop a clearer understanding of their value to their respective consumers, stakeholders and government owners. To test a process with one or possibly two of SAHF NMHSs as a case study and report the findings to the SAHF EC
- Requests SAHF AMET service providers to work together to ensure all members are compliant with ICAO and WMO policies and regulations.
- Requests on behalf of the SAHF EC, RIMES to represent SAHF EC and members to coordinate with ICAO APAC office in Bangkok to increase representation of SAHF AMET experts in relevant APANPIRG AMET meetings and regional initiatives.

# Thank you

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# Discussion

# Questions for EC members

- 1) Do you have reactions to what Alan and David have presented? Do you think the focus on how NMHSs create value could help you increase the recognition of your services?
- 2) If you generally agree would one or more of you be willing to participate in a case study to show value? As David briefly outlined, the study would analyze all aspects of how that NMHS works and consider ways to improve its value.
- 3) All SAHF members would have the opportunity to learn from this process and to better align their NMHSs with their governments' priorities.
- 4) Would you agree that part of the analysis should include a deep dive into the value of AMET services?
- 5) Should SAHF re-confirm its goals in terms of milestones and measurable targets? Would it help to develop milestones and measurable targets for the SAHF NMHSs?