Strategy

• Marine Forecaster Competency Framework is a key pillar in demonstrating WMO’s commitment to the WWMIWS in the eyes of its partners.
  – WWMIWS is the key priority

• Implementation in National Marine Services is a key step to supporting the authoritative voice concept for marine services provided by NMHS.
Activities so far...

• Task team development of Marine Competency Framework
• Endorsed status by WMO in 2015
• Implementation plan developed during 2016
• Status of implementation in WWMIWS measured during self-assessments
Marine Forecaster Competency

The MWF should be able to (competence requirements):

• 1. Analyse and monitor continually the marine weather situation;
• 2. Forecast marine weather phenomena, variables and parameters;
• 3. Warn of hazardous marine meteorological phenomena;
• 4. Ensure the quality of marine meteorological information and services;
• 5. Communicate marine meteorological information to internal and external users.
Qualifications, competency framework for marine meteorologists

**WMO BIP**
Definitions of learning outcomes that, when achieved, qualify a person for entering a profession

**Enabling skills**
Skills and knowledge that are fundamental prerequisites for many of the WMO competency frameworks

**WMO competency frameworks**
Definitions of job responsibilities, skills and knowledge required to perform specific job functions

**Transferable skills**
Generic skills such as analytical, problem-solving, communication and people-management skills, and the ability to work in a team
Four stages to progress through

Stage 0
- The organization is aware of the competency framework but has no plans for implementation

Stage 1
- The organization has adopted or adapted the competency framework to shape its job descriptions or training programme, but has no plans to undertake competency assessments

Stage 2
- The organization has adopted or adapted the competency framework, and has established a process to train and assess the competency of operational staff

Stage 3
- The organization has completed the competency assessment of operational staff against the competency framework and has developed a training programme to support it
Process of training and assessment

Stage 1
Needs to be done at the national level.

Stage 2
Should each NMHS design a training package?

- Define competency requirements
- Customize existing competency framework(s)

- Develop suitable assessment tools to determine competency levels

- Assess current competency against performance criteria

Ongoing competency assessment against the performance criteria

Stage 3.
How do we assist SIDS, LDC’s?
Can we consider a regional approach for training and assessment?
Task Team on Marine Competency Implementation

1. Undertake a scoping exercise to assess the implementation needs of Members, using the results of the WMO survey of NMHS marine services conducted in 2018, and establish a 3-level framework to categorise these needs to guide the following outputs.

2. Develop guidance material to support Members through the 4 stages for implementing the marine weather forecaster competency framework, as outlined in the *WMO No. 1205, Guide to competency*.

3. Develop appropriate communication material to educate Members and raise awareness about the marine weather forecaster competency framework.
Task Team on Marine Competency Implementation

4. Develop a scope for a model training package – to be compliant with the marine weather forecaster competency framework - that Regional Training Centres could base their individual courses on.

5. Develop an options paper for establishing or improving capacity and capability within Regional Associations, Regional Training Centres, or other training networks for undertaking competency assessments of marine forecasters. The paper should document the barriers and challenges for an ongoing assessment programme, with particular focus on SIDS and LDC.
Current status for WWMIWS - 2018

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<th>2018</th>
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<tbody>
<tr>
<td><strong>Stage 0:</strong></td>
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<tr>
<td>5 from 19 individual NMHS</td>
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<tr>
<td><strong>Stage 1:</strong></td>
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<td>4 from 19</td>
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Thank you
Merci