

WMO Marine Forecaster Competency Framework

Neal Moodie

Marine Meteorological Services



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

Drivers

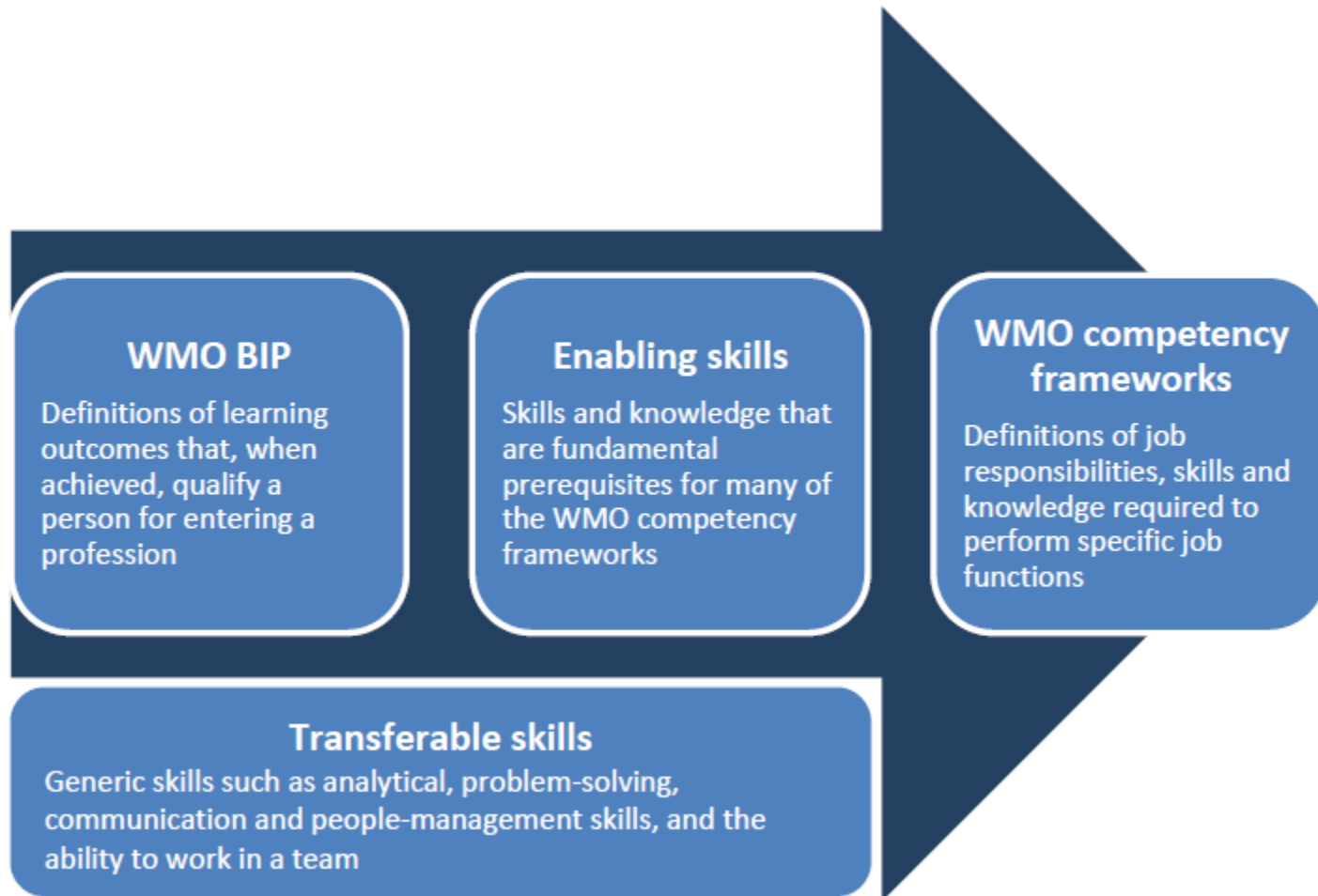
- Marine Forecaster Competency Framework is a key pillar in demonstrating WMO's commitment to the WWMIWS.
- Provides a career path to forecasting staff, and training can be aligned to the framework.
- Aim to bring our forecasters closer to industry needs and latest forecasting techniques

Marine Forecaster Competency

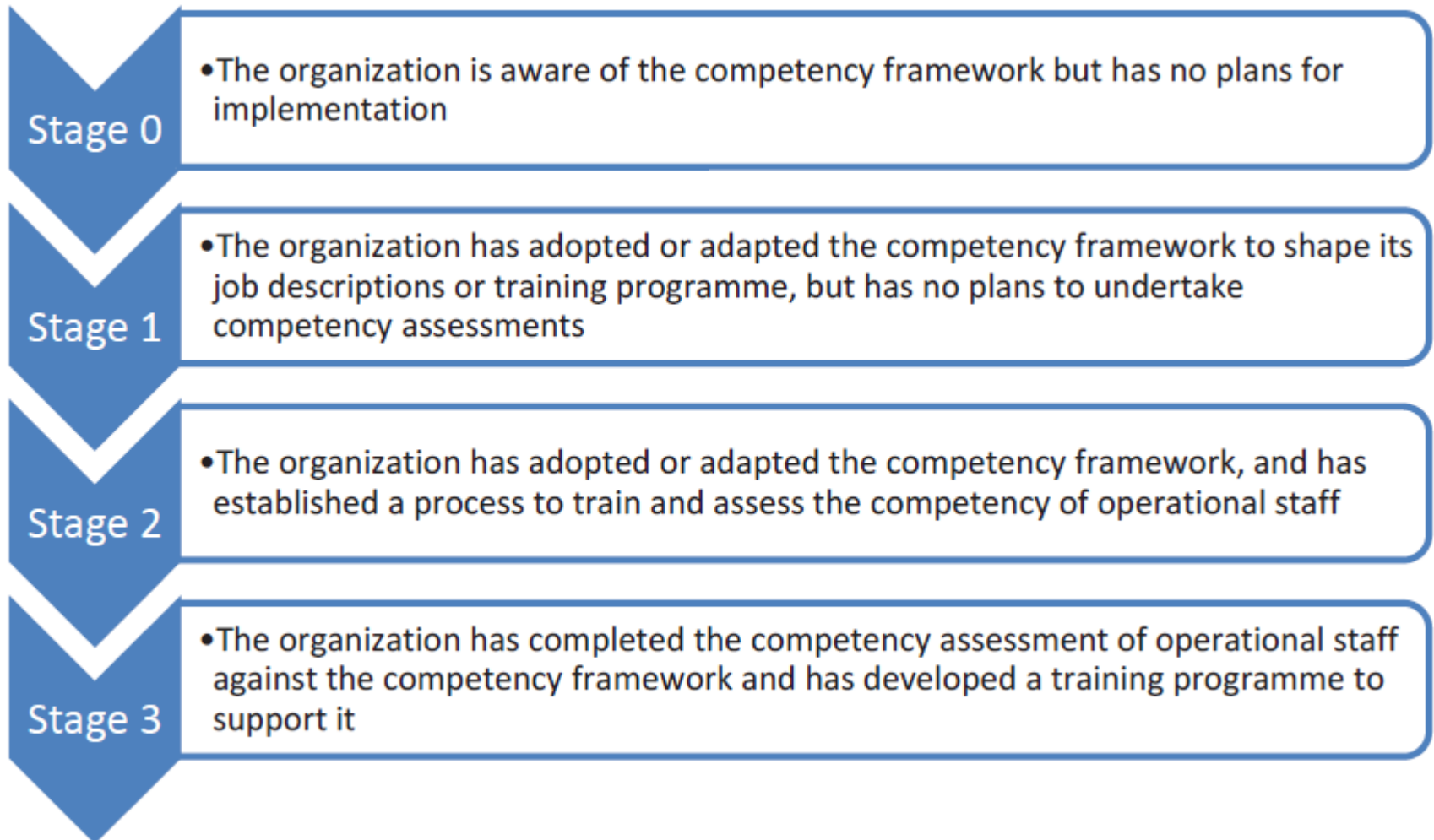
The MWF should be able to (competence requirements):

- 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



Four stages to progress through



Skills Development Matrix

	Training	Meetings/experience	Equipment
METAREA Coordinator	EGC monitoring and broadcast skills GMDSS General Operators Certificate Course WMO Service Delivery Framework Understanding WMO 471 marine service delivery Understanding WMO 558 ISO 9001	Joint meeting of WWNWS and WWMIWS Visit to a ship and talk to crew and Master Familiarisation trip on ferry, or to harbour master Visit a coastal radio station and talk to operators Talk with NAVAREA Coordinator Host/conduct a visit with NAVAREA Coordinator to talk through service. Participate in an IMO meeting Public exhibition involvement (World Maritime Day) Visit another METAREA Coordinator in a different country	
Marine Forecaster			
1. Analyse and monitor continually the marine weather situation;	Satellite altimeter Satellite lightning for storms Satellite imagery Marine instruments, buoys, etc. Soundings Ship reports		
2. Forecast marine weather phenomena, variables and parameters;	Undertake course on marine meteorology Tide and sea level effects Ocean currents		
3. Warn of hazardous	Elements		



Thank you Merci



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