***Forecaster Competency 1, 2, 3: Quiz Items Information Note***

***C1 Analyse and Monitor continually the marine weather situation***

***C2 Forecast marine weather phenomena, variables and parameters***

***C3 Warn of hazardous marine meteorological phenomena***

***Competency Description:***

Competencies 1-3 describe knowledge and skills for analysing and diagnosing the marine weather situation and creating forecasts, warnings and related products.

**Considerations on using Quiz Items**:

While Direct Observation using a think-aloud protocol can be used to elicit useful evidence of foreacasting knowledge and skill of the individual being assessed, it is unlikely that all aspects of forecast can be demonstrated in even several assessment periods, especially for the wide variety of seasonal weather situations experienced.

Quiz Items do not provide a holistic assessment of the knowledge and skills required for forecasting, they provide opportunities that other methods lack. In addition to assessing a wider range of knowledge and skill than is likely to be observed or discussed, the advantage of Quiz Items over Direct Observations Experiential Questions is that the items will be more standardized to ensure fairness, quickly administered with lower effort by the assessor, and the results can be more rapidly assessed. They can also be administered away from the distractions of the forecast work area.

**Recommendations**:

Quiz Items can be very useful for a variety of assessments. Quizzes can help to assess critical background knowledge that is highly relevant to the weather in the local region. Quiz Items might be related to data interpretation used for analyising the weather situation, including remote sensing products and NWP products especially important for the marine environment, such as scatterometer and altimeter satellite products, and coastal inundation model products.

Quiz items might be used to probe for knowledge about how to forecast rare weather events, for events frequently seen but very important due to local impacts, and for severe weather events with significant impacts and difficult to directly observe due to time constraints during hectic situations.

Quiz items can also help to assess knowledge of procedures more deeply than can be observed, particularly if procedures vary by situation and decisions required.