***Forecaster Performance Criterion 5.3: Simulation***

***C5.3 Make use of forecasts & warnings of meteorological parameters, variables and phenomena to describe their impact on marine operations, safety of life and property, including the coastal coastal environment and population***

***Performance Criterion Description:***

Forecasts and warnings of impacts to customers are provided, based on the agreed upon thresholds of parameters and variables.

**Scenario**:

Forecasters participate in a role play simulation that may not require customer roles. The assessor provides a weather situation and the forecaster is given a list of customers who are engaged in varying activities and have unique needs and vulnerabilities. The forecaster is asked to provide weather impact information appropriate to each of the customers or communities represented in the list. The assessor can either provide the forecaster given parameters and variables and forecasted phenomena from which the forecaster must determine which thresholds are met and which impacts are likely.

The forecaster produces forecasts or warnings, or statements to include within the official forecasts, based on these impact determinations.

**Recommendations**:

This assessment could be conducted separately, or as part of a Simulation assessment for C5.2.

**Evidence of competency checklist**:

During the Simulation, the forecaster uses meteorological knowledge, WMO guidelines and communication skills to provide information to customers on impacts to their activities to aid them in their decision-making needs.

Communications will consider:

* how parameters, variables and establish thresholds translate into impacts to customer activities
* impacts to marine commercial and recreational operations
* impacts to coastal infrastructure, including industry, housing, sea walls, etc.
* impacts to the interior due to coastal weather (flooding, winds, etc.)
* loss of housing creating displaced persons
* impacts to the coastal environment and ecosystems, including land degradation
* damage to energy, water and sanitation infrastructure
* impacts to activities related to population livelihoods
* impacts to transportation