***Marine Weather Forecaster Performance Criterion 1.2: Direct Observation***

***C1.2 Compare current forecasts and warnings with observed conditions***

***Performance criterion comments:***

The forecaster must monitor incoming data in order to be aware of the current conditions and changes occurring within the forecast region.

**Scenario**:

Throughout an assessment period the forecaster is asked to monitor weather conditions and trends to assess changes occurring that might suggest required changes to current forecasts and warnings.

**Evidence of competency checklist**:

(Also see the full competency and consider your regional and national factors)

The forecaster monitors incoming meteorological data, demonstrated by the following actions:

* Routinely retrieves and reviews scheduled bulletins (synoptic, ship observations (VOS), METAR, etc.)
* maintains a watch for the arrival of unscheduled data (in situ ocean observations, etc.)
* routinely retrieves and analyzes remote sensed data (satellite, radar, lightning, etc.)
* maintains a watch for non-standard data (seismological, hydrological, SST, snow/ice cover, volcanic ash, tropical cyclone, etc.)
* notes other relevant information
* timely retrieval and review

noting evidence of still valid forecasts and warnings, or currently evidenced changes or trends indicating potentially developing changes from current forecasts and warnings, involving, for example

* precipitation
* restrictions to visibility
* surface winds, including areas of strong winds
* areas of significant weather
* synoptic features, including large-scale motion
* sea state
* interactions with tide and river run-off, especially near the coast
* other pertinent features

The forecaster uses their meteorological knowledge to

* describe plausible meteorological processes at work that explain the weather evolution.
* explain the meteorological processes at work
* describe the weather parameters and phenomena that might change as a result, including
  + clouds
  + precipitation
  + restriction to visibility
  + surface winds
  + state of the sea
  + tide and surge
  + other relevant information and impactful phenomena