Job 1.3

Identify and report Indicators of Climate Change and Disasters

Job Description

Under general supervision, you will need to complete training courses in order to acquire the knowledge required to identify and report Indicators of Climate Change and Disasters.

This job will assess the following unit standard

All activities shall be conducted in accordance with workplace procedures.

Knowledge

You will learn about the following from your training provider or workplace trainer/supervisor:

- Introduce concepts important to both disaster risk reduction (DRR) and climate change adaptation:
  - climate change
  - disaster risk
  - disaster risk reduction
  - climate change adaptation
  - vulnerability
  - capacity
  - resilience

- Build understanding of the concept of vulnerability as it is used in disaster risk reduction and in climate change adaptation.
  - vulnerability factors
  - practical example
  - climate change and vulnerability
  - gender and vulnerability

- Vital signs of climate change may include:
  - carbon dioxide
  - global temperature
  - artic sea ice minimum
  - land ice
  - sea level
  - vegetation
  - pollen analysis
  - cloud cover
  - dendroclimatology
  - animals
  - El Nino
  - La Nino

- Scientific evidence of warming of the climate system

- Causes of climate change

- Effects of climate change

- Traditional knowledge of climate change

- Disaster Risk – risk identification:
  - hydrometeorological hazards
  - geophysical

Demonstration

To show that you can apply your knowledge in the workplace you will need to:

- Demonstrate knowledge of the following concepts in practical and assessment tasks:
  - climate change
  - disaster risk
  - disaster risk reduction
  - climate change adaptation
  - vulnerability
  - capacity
  - resilience

- Demonstrate knowledge of vulnerability in terms of the list below during practical and assessment tasks:
  - vulnerability factors
  - practical example
  - climate change and vulnerability
  - social dynamics and vulnerability
  - gender and vulnerability

- Vital signs of climate change may include:
  - carbon dioxide
  - global temperature
  - artic sea ice minimum
  - land ice
  - sea level
  - vegetation
  - pollen analysis
  - cloud cover
  - dendroclimatology
  - animals
  - El Nino
  - La Nino

- Scientific evidence of warming of the climate system

- Causes of climate change

- Effects of climate change

- Traditional knowledge of climate change

- Disaster Risk – risk identification:
  - hydrometeorological hazards
  - geophysical

- Identify local examples of the following vital signs of climate change in Pacific Island countries:
  - carbon dioxide
  - global temperature
  - artic sea ice minimum
  - land ice
  - sea level
  - vegetation
  - pollen analysis
  - cloud cover
  - dendroclimatology
  - animals
  - El Nino
  - La Nino

- Identify local examples of the following scientific evidence of climate change in Pacific Island countries

- List observable causes of climate change in your local communities

- List observable effects of climate change in your local communities

- List traditional knowledge of climate change in your local communities

Attach the reports from your training provider here