



## MET Technician– Flood Management Division

### Department of Infrastructure

#### What will you do?

Do you have a keen interest in weather, meteorology and the climate? Applications are invited for an MET Technician / Aeronautical Meteorological Observer at Ronaldsway Meteorological Office, part of Flood Management Division.

With aviation safety in mind, the role's main purpose is to maintain a constant weather watch at Isle of Man Airport and to produce regular half hourly weather reports, and more frequently when weather parameters change through certain criteria, in accordance with the International Civil Aviation Organisation's (ICAO) standards and recommended practices. This requires monitoring of the general weather situation, with an emphasis on the Isle of Man, North Irish Sea and British Isles, to remain aware of expected changes, and to give notification of any changes measured. As part of a small team, the successful candidate will update and maintain Ronaldsway's continuous climate and weather record. They will also be required to take readings from manual instruments, and maintain meteorological instruments, systems and sensors.

In addition to the aviation responsibilities, Ronaldsway Meteorological Office is the National Meteorological Service (NMS) for the Isle of Man. A continuous weather record has been maintained since 1947, and this data is a very valuable tool for analyzing our weather and climate. The office operates 24 hours a day, 7 days a week and a full weather forecasting and warning service is provided for the Island. As a key climate station, our site, instrumentation and observations are operated to standards formulated by the World Meteorological Organisation (WMO).

The Observer will be required to work 9.5-hour daytime shifts covering 7 days a week, including alternating weekends, alongside the duty forecaster. Although the duty Forecaster is effectively the shift leader, the MET Technician will share the responsibility for monitoring the weather and coordinating services and communications on each shift.

The Flood Management Division (FMD) has the responsibility for flood risk management, meteorology services (Ronaldsway Met Office) and coastal erosion on the Isle of Man. The Observer supports this responsibility by monitoring tidal predictions and various measurements from remote weather sites.

The post holder will report to the Senior Meteorological Officer.

## What does that involve?

A summary of the key day-to-day duties is provided below:

- The MET Technician will produce Meteorological Aerodrome Reports (METARs) for pilots and operators using current surface weather observations at 30-minute intervals, and additional Special Reports when required.
- Correctly apply the Civil Aviation Authority's (CAA) policy document CAP 746, Meteorological Observations at Aerodromes and WMO Aeronautical Meteorological Observing guidelines during the preparation and dissemination of METAR observations and Special Reports.
- Remain aware of the general weather situation across the British Isles, North Irish Sea and Isle of Man and any expected changes.
- The MET Technician will collect and collate a variety of data of weather parameters such as temperature, rainfall, wind, cloud, pressure etc.
- The MET Technician will undertake daily visits to the Meteorological Enclosure on the airfield and will conduct general maintenance and repairs on the equipment where necessary.
- Produce the twice daily National Climatological Message code (NCM), using a mixture of automated and manually collected data.
- Maintain the detailed climate record in spreadsheets and a climate database.
- The MET Technician will log tide heights and record predicted tide-surge values using the UK Met Office's NEMO model, and then compare the measured values to their predictions.
- Track the number and type of both Aviation and Island weather warnings issued, and update and maintain the Quality Management System.
- Check and maintain weather instruments, ensuring calibration, compliance, accuracy and correct exposure.
- Answer enquiries relating to measured values, past weather events and climatology. Produce tables/graphs and gather data for customers where necessary.
- Produce a daily weather diary.
- Maintain a physical daily weather record.
- Provide regular climate reports for a variety of stakeholders and other government agencies.

The post holder shall perform such duties and observe and conform to such reasonable instructions as the Department or Division, or person duly authorised by the Department or Division, may from time to time give.

### **Service Delivery**

The post holder will be accountable for the delivery of products in accordance with the functions and roles listed in both ***What you will do*** and ***What does that involve.***

### **Management of Staff and Resources**

The post holder, as a member of the Division and Department, will also have responsibilities for maintaining professional standards with quality control and efficiency.

### **Representation and Corporate Contribution**

The post holder may represent the Office in a range of settings and at events. It is expected that the post holder will be a committed ambassador of the Office, the Division and the Department and the work that it seeks to achieve.

**Provision of Advice**

The post holder is expected to support the Senior Met. Officer and Forecasters in providing advice to a wide range of internal and external 'customers' including other Divisions and Departments, utility and emergency services, various organisations, companies and members of the public.

**Implementation and Maintenance of Policy**

The post holder will be responsible for meeting prescribed standards and practices of the Office.

**Performance Management and Improvement**

All staff have a personal responsibility for performance management. The post holder will be expected to contribute to their annual performance development review and interim performance reviews.

Regular meetings should be held with line managers and half-yearly interim reviews are encouraged by the Department. These are specifically designed to deliver the aims and objectives of the Department.

**Health and Safety**

The post holder will be responsible for their own health and safety and the impact of their actions on others. They will be responsible for identifying any possible risks or near misses to a responsible manager and/or the Health and Safety Review Groups of the Division and Airport.

**Reporting Framework**

The post holder reports to the Senior Meteorological Officer of the Flood Management Division, Department of Infrastructure.

**Integrity**

As an appointee of the Flood Management Division, Department of Infrastructure, the post holder is expected to recognise that their everyday business requires the highest level of personal integrity. Each Officer has a personal responsibility to maintain the confidentiality of all Ports Division business and to uphold such confidences.

**Competency Levels For This Post Are:****Leading and Working Together**

Is clear about own role and priorities taking responsibility for providing an excellent service; works supportively as a team player in pursuit of agreed objectives; builds effective working relationships with colleagues; deals constructively with inter-personal issues.

**Communicating and Influencing**

Communicates openly with colleagues; is confident speaking in a group or team situation and expresses views in a clear and succinct way. Influences and convinces others to accept or agree to ideas; takes active steps to build acceptance of proposals using knowledge of the organisation.

**Achieving Results**

Prioritises own (and others') work to achieve team goals; schedules activities and resources to deliver to agreed timescale; communicates openly about changes to plans; proposes appropriate solutions and considers consequences of different options; makes decisions in a timely manner and recommends/refers important decisions as necessary; strongly focused on achieving results; takes responsibility for the delivery of team objectives. Able to prioritise tasks around operational requirements when workload dictates.

**Delivering a Quality Service**

Treats customer service as top priority; makes suggestions for improving aspects of service provision; takes on board suggestions for improving the quality of their work and collaborates with others to deliver excellent service; monitors income, costs and value for money.

**Changing and Learning**

Shows an interest in own self-development; is open to new ideas and willing to consider alternative working practices; accepts and adapts to change or new situations. Applies specialist knowledge, skills and experience in accordance with clearly defined guidelines and standards.

**Showing Commitment and Resilience**

Shows determination and drive to deliver and succeed; puts in extra effort to complete important tasks on time; shows stamina and can manage a diverse range of projects; calm and confident under pressure.

## What do you need to be successful in this role?

	Essential or Desirable	Method of Assessment
<b>Credibility</b>		
Have 5 GCSEs at grade C (4) or above including English Language or equivalent.	<b>D</b>	CV
Ability in Mathematics and Physics at AS-Level or higher (or equivalent, e.g. as part of a degree course) or have an interest in furthering studies in these areas.	<b>D</b>	CV/Interview
Has open conversations	<b>D</b>	Interview
Addresses the issues	<b>D</b>	Interview
Builds supportive relationships	<b>E</b>	Interview
<b>Capability</b>		
Extensive use of IT; including Microsoft Office/Outlook, browsers, especially Excel.	<b>E</b>	CV/Interview
Knowledge and experience of using mapping software (GIS, Visual Weather, SurfaceNet etc.)	<b>D</b>	CV/Interview
Ability to clearly communicate (including both written and verbal).	<b>E</b>	CV/Interview
Ability to focus on varied customer requirements and tailor information to suit.	<b>E</b>	Interview
Knowledge of Geography and topography, especially of the Isle of Man and British Isles.	<b>E</b>	CV/Interview
Knowledge of meteorology and climatology.	<b>D</b>	CV/Interview
Willing to work shifts which includes weekends and Public Holidays, and occasionally cover shifts at short notice.	<b>E</b>	Interview
Encourages innovation and supports change	<b>D</b>	Interview
<b>Character</b>		
Highly motivated with good communication skills and ability to work under pressure	<b>E</b>	Interview
Trusts and is trusted	<b>E</b>	Interview
Has positive energy and drive	<b>E</b>	Interview
Inspires, motivates and empowers	<b>D</b>	CV/Interview
<b>Other requirements</b>		
Interest in local weather and climate.	<b>D</b>	Interview
Full valid driving licence	<b>D</b>	CV
Isle of Man Worker	<b>D</b>	Application
Have access to a vehicle for work related travel	<b>D</b>	Interview