

## **Axe Yacht Club**

### **RYA Yachtmaster Shorebased Course**

#### **Time Zones Exercise**

Use the Training Almanac

#### **Question 1**

The skipper of a yacht is planning a delivery trip from Port Fitzroy to Colville on Tuesday 3 November. He needs to use the Tidal Stream Atlas (pp 13 – 25) as part of his planning.

- a. Which is the reference Standard Port for the Tidal Stream Atlas?
- b. What time is HW at Victoria during the morning of 3 November?
- c. The skipper is basing his timings on local time at Port Fitzroy. What is the time of HW at Victoria in local time in Fitzroy?

#### **Question 2**

On Tuesday 25 June, a vessel based in a Southern Peninsular harbour is approaching Namley Harbour, which is in the Northern Territories. The vessel is using local time at its home port.

- a. What time (UT) is HW at Namley on 25 June?
- b. What time will this be on the ship's clock?

#### **Question 3**

A trawler, which is based in Dunbarton, has arranged to visit Colville to pick up some equipment. It is due to arrive during the evening of Monday 20 May and will berth in the Fish Dock. The latest that it can enter the berth is HW+2.

- a. What time is HW at Colville on the evening of 20 May?
- b. What time is HW+2?
- c. What time will this be on the trawler's clock which is set on local time at Dunbarton?

## Answers

### Question 1

- a. Which is the reference Standard Port for the Tidal Stream Atlas?

*Victoria*

- b. What time is HW at Victoria during the morning of 3 November?

*0847 UT*

- c. The skipper is basing his timings on local time at Port Fitzroy. What is the time of HW at Victoria in local time in Fitzroy?

*Port Fitzroy is in Zone -0100*

*Local Time -0100 = UT*

*SPST - 0100 = 0847*

*SPST = 0947*

### Question 2

- a. What time (UT) is HW at Namley on 25 June?

*1153*

- b. What time will this be on the ship's clock?

*Ship's clock will be on SPDST. SP = Zone -0100*

*SPST - 0100 = UT*

*SPST - 0100 = 1153*

*SPST = 1253*

*SPDST = SPST + 1*

*HW Namley = 1353 SPDST*

### Question 3

- a. What time is HW at Colville on the evening of 20 May?

*1804 SPST*

*What time is HW+2?*

*2004 SPST*

- b. What time will this be on the trawler's clock which is set on local time at Dunbarton?

*Colville is in zone -0100*

*2004 - 0100 = 1904 UT*

*1904UT = 2004 DST*