

Communicator



Complete either (A) or (B):

(A)

- (a) Send and receive a message of not less than 150 characters by semaphore at a rate of 45 characters per minute; also send and receive a message of not less than 150 characters by Morse code (using a transmitter or light signals) at a rate of 25 characters per minute; or
(b) Use a transmitter to send a message at a rate of 40 characters per minute; also use light signals to send a message of not less than 150 characters at a rate of 30 characters per minute.
- Demonstrate the correct procedures when sending and receiving a message.
- At a distance of 150 meters, send a message by semaphore or Morse code at a rate of 20 characters per minute.

Note: The accuracy of each of the above assessments should reach at least 80%. The minimum distance for an outdoor transmitter should be of at least 140 metres and the transmitter should be placed in a separate room from the receiving machine.

(B)

- (i) Log 50 different amateur radio stations within three months, including the following details: time, date, call signs, frequency, readability and location.
(ii) Discuss with the assessor the experience of log keeping, such as transmission, the use of receivers, and the range of reception, etc.
- Discuss with the assessor the frequency used by the amateur radio stations and the range of reception between day and night using different frequencies.
- Clearly identify at least 12 international Q code signals.

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4. Know the regulations on the use of portable radio walkie talkies from the Hong Kong Office of the Telecommunications Authority.



Completion of this Badge, including a total of six months or above in lecture or practicum, would be counted as an equivalent of relevant item under Skills Section of the Hong Kong Award for Young People Bronze Award.