

# ALARA RADIO CHALLENGE

Complete at least two items from each section

## COMMUNICATION

1. Listen to a WIA broadcast
2. Learn the phonetic alphabet
3. Use a CB radio to chat with a friend
4. Investigate online Web SDR receivers
5. Practise sending and receiving Morse code
6. List the frequencies of your local radio stations



## ADVENTURE

1. Interview an amateur radio operator
2. Participate in an amateur radio event
3. View historic radio equipment in a museum
4. Observe radio and television aerials in your local area
5. Visit an emergency service communications centre
6. Construct a low voltage battery operated electric circuit

## DISCOVER

1. Understand the world time zones
2. Watch a video about amateur radio
3. Research applications for radio direction finding
4. Identify resistor values using the resistor colour code
5. Make a list of household devices which use radio signals
6. Identify different types of batteries, their dangers and safety

To complete the ALARA Radio Challenge fill in the application form outlining what you did for each section and what you learned. You can include photos and sketches. To obtain the badge and certificate deposit \$7.50 (AU\$10.00 for international) into the ALARA bank account: BSB 067103 Account 10681848 with "Challenge" and your Name as reference.

Email your reports and payment receipt to [radiochallenge@alara.org.au](mailto:radiochallenge@alara.org.au)  
Total email size including photos not to exceed 8MB



# ALARA Radio Challenge Badge Application Form

Name: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_ Age(if under 18): \_\_\_\_\_

Do you have an Amateur Radio Licence? No [ ] Yes [ ] Callsign: \_\_\_\_\_

I wish to apply for the ALARA Radio Challenge Badge  
I have deposited \$7.50 (or AU\$10 for international recipients)  
into the ALARA bank account BSB 067103 Account 10681848

I confirm that the attached reports are my own work

Applicant's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent/Guardian (Name & Signature): \_\_\_\_\_  
(if applicant under 18 years)

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# Challenge Reports

Complete a report for each challenge. What did you do? What did you learn?

## COMMUNICATION 1

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## COMMUNICATION 2

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## ADVENTURE 1

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# Challenge Reports

Complete a report for each challenge. What did you do? What did you learn?

## ADVENTURE 2

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## DISCOVER 1

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## DISCOVER 2

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