



**PETRONAS**

## RESOURCE ROAD SAFETY REQUIREMENTS & RADIO CALLING PROTOCOL

Service Providers are responsible to ensure their workers review and understand this information before they drive on any Resource Roads.

Drivers are responsible to read and understand this information before driving on any Resource Roads.

Drivers must carry this folder with them in their vehicle.

For additional information and to ensure your two-way radio is programmed with the correct frequencies for the roads you will be using, refer to the Resource Road website <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11127.hmtl> or look for the contact # on the road entrance sign.

## ROAD SAFETY REQUIREMENTS

All drivers must comply with the approved radio calling protocol (see the Radio Calling protocol section)

1. All users must be fully licensed, adequately trained and certified (if required) for the vehicle they are driving.
2. All traffic must drive on the right-hand side unless unsafe to do so.
3. Drivers shall slow:
  - For oncoming traffic;
  - When passing a stopped vehicle;
  - When meeting road maintenance equipment.
4. Vehicles traveling "UP" in kilometers will yield to the vehicle traveling "DOWN" in kilometers. Drivers may agree to use a different system at times when there is a safer way to pass.
5. Vehicles or equipment over 11'6 (3.5 meters) wide require a radio-escorted vehicle. Headlights and safety flashes on the escort vehicle should be on and drivers should announce "Wide Load" when calling kilometers.
6. Drive at a safe speed with headlights on. Be aware of road conditions and drive accordingly. Obey all posted speed limits and other posted road signs.
7. All drivers and passengers must wear seatbelts.
8. All items in the vehicle cab must be stowed away or tied down. All loads must be secured. If the vehicle stops suddenly, any loose objects could be thrown around and cause injury.
9. All accidents and significant "Near Misses" must be reported immediately, or as soon as possible/practical, to PETRONAS Canada.
10. Do not stop vehicles on resource roads except at a safe passing point or a turnout. In case of a breakdown, use flares or reflectors and alert other drivers. If parking in a turnout, pull to the front end of the pullout to leave room for other vehicles.
11. Never pass any vehicle without receiving a clear signal that it is safe to do so. The lead vehicle is responsible for slowing down, providing room and advising the passing vehicle when they can proceed.
12. Do not drive while using cell or satellite phones, on all radio-assisted roads. Find a safe place to pull over and park to use a mobile phone or any electronic device.
13. Follow provincial regulatory hours of service requirements and have logbooks available for inspection.
14. Vehicles must be fit for purpose as well as maintained and inspected in accordance with the manufacturer's recommendations. A pre-trip vehicle walk around is strongly recommended.
15. All industrial road user vehicles must have a functional two-way radio programmed with resource road channels required for the road systems travelled. For each vehicle, operate one two-way radio at a time.
16. Rotating beacons must be used, as required by legislation.
17. Drivers can only travel in convoy if they are in compliance with the radio calling protocol.

# RADIO CALLING PROTOCOL

18. "UP" and "DOWN" are the terms that identify travel direction:
  - "UP" is in the direction of increasing kilometer signs
  - "DOWN" is in the direction of decreasing kilometer signs.
19. All users call the road name, kilometer locations and travel direction (in this order).  
**Example: "Jedney, 12 km, UP"**
20. Vehicles traveling in the "UP" direction call every EVEN kilometer and vehicles traveling in the "DOWN" call every ODD kilometer.
21. Must call situations for both "UP and "DOWN" traveling vehicles:
  - When entering a new road system
  - At posted "Must Call" sign
  - Whenever there is a road frequency/ channel change, or when leaving a road
  - When stopping, parking on the road and again when you resume
  - Whenever you encounter a vehicle traveling without a radio.
22. Convoy calling is allowed, provided that:
  - The lead vehicle calls for all vehicles in the convoy.
  - The vehicle that joins or leaves the convoy informs and receives confirmation from the lead vehicle.
  - A vehicle more than 1 km behind the lead vehicle is no longer part of that convoy and must call their own position.
  - Unless previously arranged with the road maintainer, convoys must not exceed 3 vehicles and must travel at least 3 km apart from other convoys (with the exception of light vehicles as long as the lead vehicle states the number they have in tow).

23. Never pass any vehicle without receiving a clear signal that it is safe to do so. The lead vehicle is responsible for slowing down, providing room and advise the passing vehicle when they can proceed.
24. Avoid distractions while monitoring the road channel:
  - No unnecessary radio chatter
  - Avoid noise distractions such as AM/FM radios, phones, music players, and passengers.
  - Stay on the designated road channel at all times while traveling.
25. Ask for radio check before entering a road system.
26. When responding to a radio check, respond by indicating the signal strength and signal readability or the description:

**(Example: 5 by 5 indicated "loud and clear" while 1 by 1 indicates you couldn't make out anything)**

Lvl	Signal Strength	Lvl	Signal Reliability	Description
5	Loud	5	Clear	Loud & clear
4	Good	4	Readable	Easily understandable with some background noise
3	Weak	3	Unreadable	Understandable with difficulty
2	Very weak	2	Distorted	Signal was choppy – missing words or phrases
1	Fading	1	With interference	Cannot make out anything that was said

27. Resource road channels are for traffic management purposes only. Conduct all other communication on a non-resource road channel when not traveling on a resource road.

**When switching channels between road systems, request oncoming traffic to indicate if "anyone is close".**