



TRANSPower

# Transpower Fault Responder (TFR)

Transpower Response Guide

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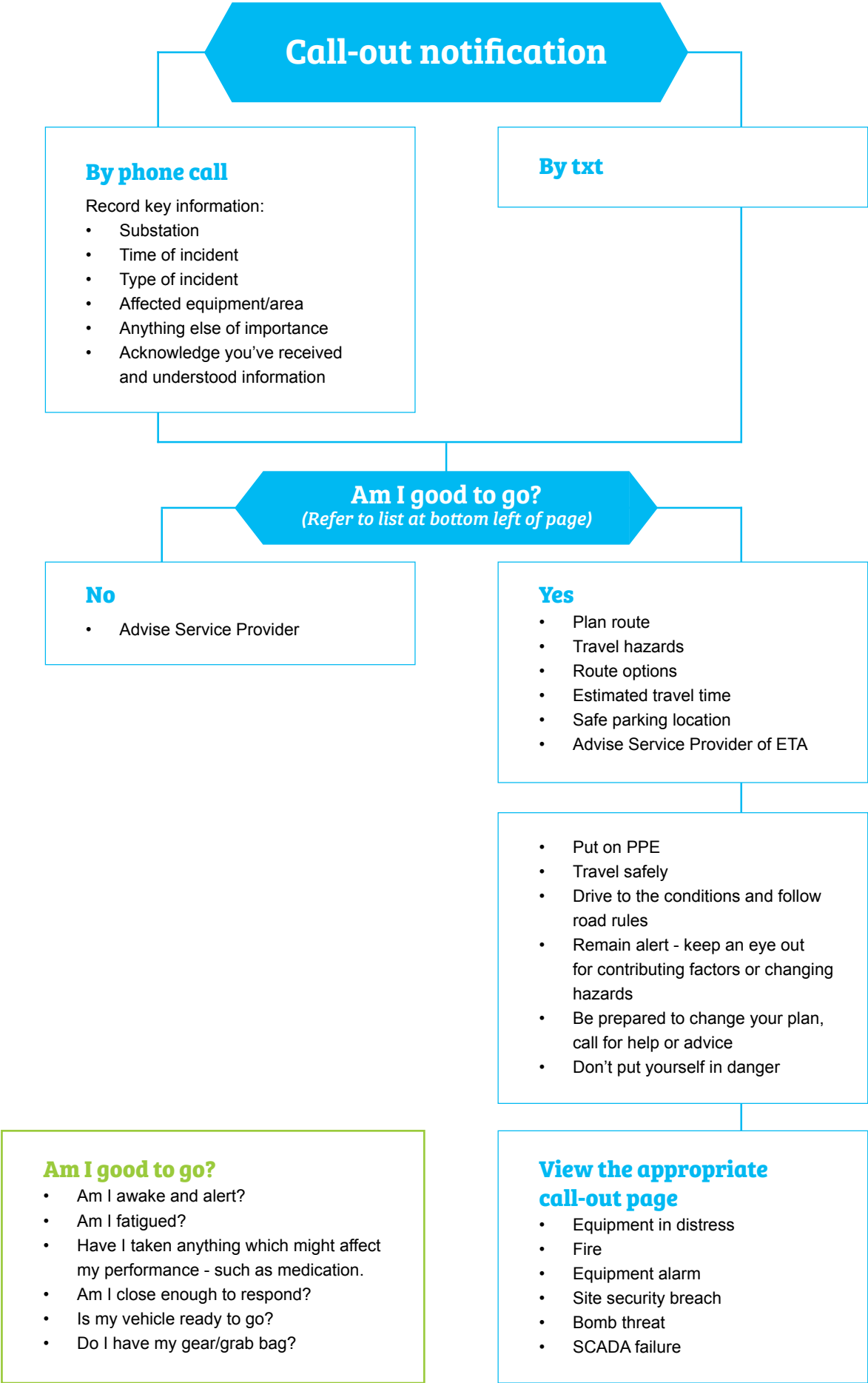
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# Call-out guide



# Call-out type: Equipment in distress

**Park in a safe location (fill this out during site visit):**

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**Advise NGOC of your arrival**

**Observe equipment in distress from a safe distance**

- As far away as possible with a clear line of sight.
- Try to identify cause of alarm/problem in more detail, e.g. disconnecter blue phase.

**Advise NGOC of your observations and follow their instructions**

**Keep others away if required**

**When/if emergency services personnel arrive:**

- Note time of arrival to record/report later
- Provide safety brief to emergency services personnel, which may include:
  - Pass on information from NGOC, e.g. is the CB on fire oil-filled, or SF<sub>6</sub> - filled
  - Site layout, entry/exit(s)
  - MAD
  - Whether the equipment and other substation equipment is live or de-energised
  - Locations of relevant emergency response items, e.g. spill kits, safety showers, fire extinguishers, alarms panels, hydrants

**Provide access to emergency services personnel if required**

**View stand-down guide once you have completed your tasks**

# Call-out type: Fire

## Park in a safe location

- Keep site access clear
- At least 100m away from the fire (or suspected location of fire)

## Advise NGOC of your arrival

## Visual assessment from outside substation

- Signs of fire, e.g. flames, smoke (visual and smell), burnt areas
- Impacted equipment, systems, facilities, vegetation etc
- Is it likely to spread and if so to what?

### I've found:

#### No signs of fire (current or extinguished)

- Investigate further (go into rooms, putting back of hand on door first to feel for heat)

#### Non-equipment fire

#### Equipment is in distress

- Go to equipment in distress guide

## Advise NGOC of your observations and follow their instructions

## When/if emergency services personnel arrive:

- Note time of arrival to record/report later
- Provide safety brief to emergency services personnel, which may include:
  - Pass on information from NGOC, e.g. is the CB on fire oil-filled, or SF<sub>6</sub>-filled
  - Site layout, entry/exit(s)
  - MAD
  - Whether the equipment and other substation equipment is live or de-energised
  - Locations of relevant emergency response items, e.g. spill kits, safety showers, fire extinguishers, alarms panels, hydrants

## Provide access to emergency services personnel

**View stand-down guide once you have completed your tasks**



# Call-out type: Equipment alarm

## Park in a safe location

- Keep site access clear

## Advise NGOC of your arrival

## Check HMI/alarm panel

Does HMI/alarm panel differ from the information given by NGOC?

**No**

**Yes**

- Advise NGOC of your observations and follow their instructions

Is equipment in distress?

**No**

- Inspect equipment:
  - control box
  - sight glass(es)
  - gauges
  - abnormal sounds or smells
  - any other abnormalities such as oil spill

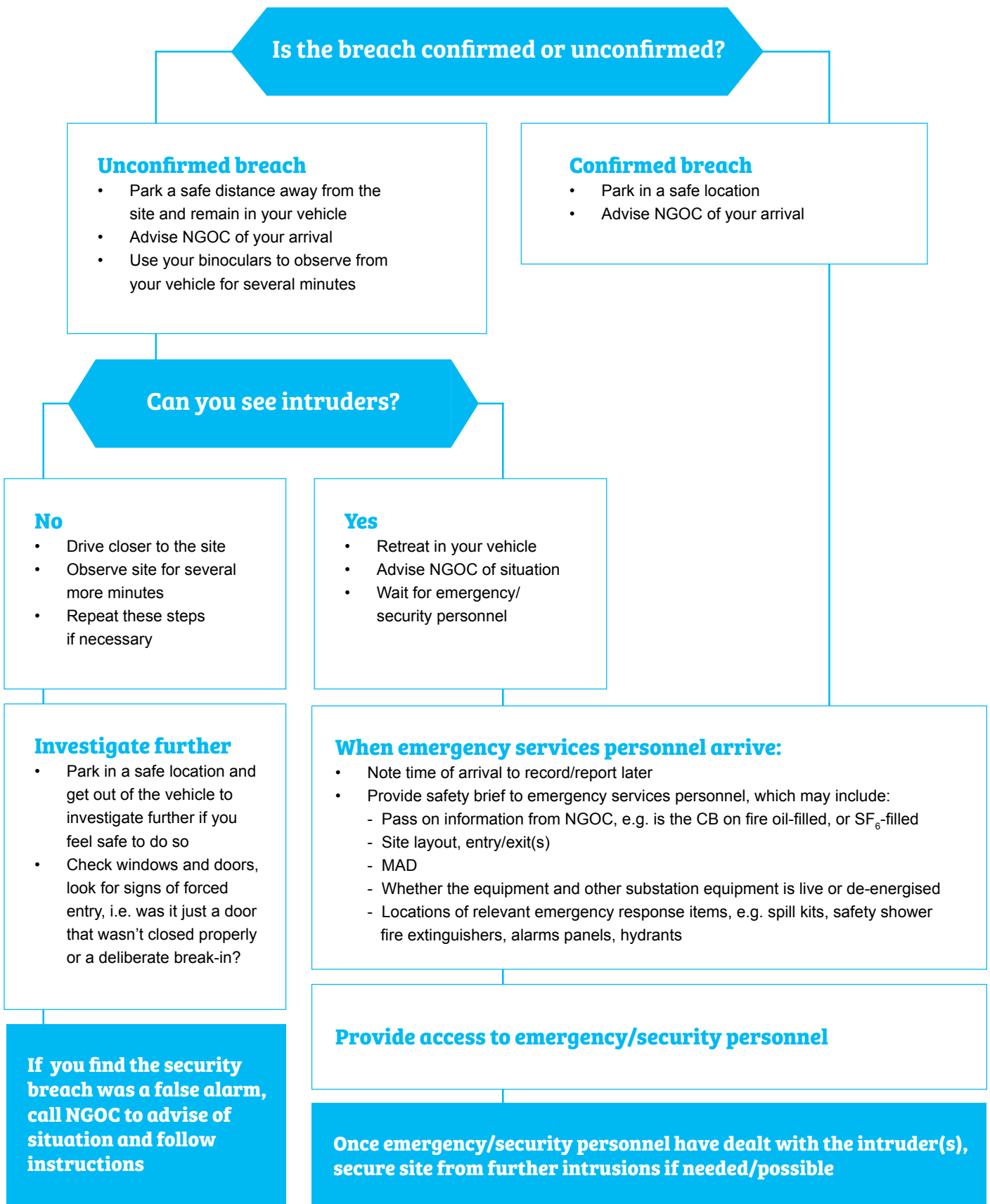
**Yes**

- Go to equipment in distress guide

**Advise NGOC of your observations and follow their instructions**

**View stand-down guide once you have completed your tasks**

# Call-out type: Site security breach



**View stand-down guide once you have completed your tasks**

# Call-out type: Bomb threat

**Park a safe distance away from the site**

**Advise NGOC of your arrival**

**When emergency services personnel arrive:**

- Note time of arrival to record/report later
- Provide safety brief to emergency services personnel, which may include:
  - Pass on information from NGOC, e.g. is the CB on fire oil-filled, or SF<sub>6</sub>-filled
  - Site layout, entry/exit(s)
  - MAD
  - Whether the equipment and other substation equipment is live or de-energised
  - Locations of relevant emergency response items, e.g. spill kits, safety showers, fire extinguishers, alarms panels, hydrants

**Provide access to emergency services personnel**

- Provide them with your keys and code if required

**Retreat to a safe location**

**Advise NGOC of events and follow instructions**

**View stand-down guide once you have completed your tasks**



# Call-out type: SCADA failure

**Park in the car park on site**

**Advise NGOC of your arrival**

## **Follow instructions**

For example:

- Reset SMS
- Check status lights on comms panel
- Check DC supply
- Observe HMI/alarm panel and if any alarms are raised, advise NGOC
- Switch circuit breakers (for control failure)

**View stand-down guide once you have completed your tasks**

# Stand-down guide

## Is it OK for me to leave the site?

- Have I reported all information to NGOC?
- Have I recorded relevant information in station log and completed entry log requirements? (if safe and appropriate to do so)
- Are there any other Service Provider personnel on site?
- Is the site safe and secure?

### Yes

- Can I drive myself home?
- Is the travel route still safe and accessible?

### Yes

- Advise NGOC of planned departure time
- Advise Service Provider of planned departure time and route if you haven't already discussed with them.
- Travel safely
  - Drive to the conditions and follow road rules
- Notify Service Provider of safe arrival

### No

- Advise Service Provider to arrange for transport

### No

- Discuss with NGOC

# Grab bag

## Suggested contents:

- Water (at least 1.5L)
- Non-perishable snacks
- Torch
- Spare batteries
- PPE
- Keys/fob
- Pens and notebook
- First aid kit
- Compact binoculars
- Wet weather gear
- Dry clothes
- Response guide
- Service Provider documentation, e.g. procedures

## Maintain grab bag:

- Replace water regularly
- Replace food as required
- Make sure your torch has spare batteries
- Make sure first aid kit is stocked
- Make sure PPE is clean and in working order