

Preparing to rescue Chile's trapped miners

1 Mine expert and paramedic lowered into shaft. Each miner examined before 622m ascent

2 Order of ascent decided. Four most technically adept, followed by 10 most vulnerable, then final 19

3 Phoenix capsule

Weight: **420kg**

Length: **3.9m**

Diameter: **54cm**

Capsule equipped with audio and video links to surface

4mm-thick steel plate

Wire mesh entrance

Compressed air supply:
Will last up to three hours

Wheels on shock absorbers: Run against tunnel wall to help reduce friction

Overalls:
Moisture-repellent, each with name on chest

Harness:
Evacuees strapped into capsule in secure standing position

Biometric belt: Vital signs monitored during ascent

Escape shaft: 61cm wide
Metal casing to stop walls caving in. Each ascent will take 15 minutes

4 At surface: Men taken to field hospital for medical and psychological checks before being reunited with families – then airlifted to hospital in Copiapo to remain under observation for 48 hours