

SCHEDULE 3

Training and qualification

PART 3

Training for specified roles and capacities

50. Every member of the crew and spaceflight participant must receive training in withstanding the stresses of spaceflight activities, including training on—

- (a) the causes of disorientation, and what effects of disorientation may be experienced by crew and spaceflight participants during the various phases of flight,
- (b) what physical effects may be experienced as a result of—
 - (i) gradual or instantaneous acceleration, and
 - (ii) free-falling in circumstances equivalent to reduced gravity, andhow those effects may be mitigated,
- (c) how to reduce the effects of excessive noise and vibration, including the methods and equipment available for this purpose,
- (d) techniques available for countering anxiety, claustrophobia and other conditions which may be caused by restrictions on individual mobility or reduced ability to use the senses during spaceflight,
- (e) procedures for a loss of launch vehicle pressurisation, or a reduction in the level of launch vehicle pressurisation, including how to deal with depleted levels of oxygen and decompression sickness,
- (f) procedures for dealing with fires, smoke or other emergencies on board the launch vehicle when the supply of oxygen becomes contaminated, and
- (g) survival techniques following an evacuation, including basic first aid, so far as relevant to the operator's intended spaceflight activities.