

SCHEDULE 2

Advanced robotics

Characteristic of autonomy

5.—(1) Advanced robotics has the characteristic of autonomy where it is capable of performing actions—

- (a) independent of human control; or
 - (b) independent of human control but complemented by—
 - (i) manual (including tele-operation) control;
 - (ii) pre-programmed operations or controls; or
 - (iii) control derived from other robotics or software control systems.
- (2) The characteristics of autonomy may include either or both of the following—
- (a) using physical, sensory and cognitive capabilities in combination, to decide on and implement a course of action that will vary depending on—
 - (i) the environment; or
 - (ii) the behaviour, dynamics, properties or arrangement of objects in the environment, which may include the ability to self-navigate or react to stimuli or changes in order to improve performance; or
 - (b) adapting or learning by carrying out actions to improve the performance of tasks from iteration and experience, which may include—
 - (i) the ability to self-heal;
 - (ii) the capability to identify and repair damaged robotics or components; or
 - (iii) having soft robotics capabilities (robotics made from compliant materials that mimic capabilities in living organisms that enable them to adapt or respond to their surroundings).