

Table 1: Summary of levels of quarantine and physical requirements at each level proposed in the revised PEQ standard (requirements that have changed relative to the current standard are in italics).

Current standard	Revised standard
<p>Level 1</p> <ul style="list-style-type: none"> • Open field • Clearly delineated • Minimum isolation requirements 	<p>Level 1</p> <ul style="list-style-type: none"> • Open field • Clearly delineated • Minimum isolation requirements
<p>Level 2</p> <ul style="list-style-type: none"> • Constructed of glass, polyfilm or other continuous material, polyfilm must be a minimum of 200 microns thick • Vents screened by 0.6 mm mesh • Insect proof anteroom • Concrete floor with drainage system connected to sewage, septic tank or rubble drain 	<p>Level 2 greenhouse</p> <ul style="list-style-type: none"> • Constructed of glass, polycarbonate, polyfilm or other continuous material, <i>polyfilm must be twin skinned or equivalent</i> and a minimum of 200 microns thick • <i>Screenhouses (with 0.6 mm mesh) allowed on a case-by-case basis.</i> • Vents screened by 0.6 mm mesh • Insect proof anteroom • Concrete floor with drainage system connected to sewage, septic tank or rubble drain • <i>Hand washing facilities (hand basins recommended)</i> • <i>Benches constructed of dressed and treated timber, metal, or similar inert material</i> • <i>Locks fitted to external doors and windows</i> • <i>Buffer strip (minimum of 1 metre wide) present on all sides of the facility. Must be covered, closely mowed or treated with herbicide.</i>
<p><i>Not applicable</i></p>	<p>Level 3A greenhouse</p> <ul style="list-style-type: none"> • <i>Constructed of glass, polycarbonate or other rigid material</i> • <i>Vents screened by 0.2 mm mesh</i> • <i>Insect proof anteroom</i> • <i>Concrete floor with drainage system connected to sewage, septic tank or rubble drain</i> • <i>Hand basin with hands free mechanism</i> • <i>Mechanical heating and cooling system</i> • <i>Locks fitted to external doors</i> • <i>Benches constructed of metal or similar inert material</i> • <i>Buffer strip (minimum of 1 metre wide) present on all sides of the facility. Must be covered and maintained free from plants.</i>

Current standard	Revised standard
<p>Level 3</p> <ul style="list-style-type: none"> • Constructed of glass, polythene or other impact resistant material • Vents screened by 0.6 mm mesh • Insect proof anteroom • Concrete floor with drainage system connected to sewage, septic tank or rubble drain 	<p>Level 3B greenhouse</p> <ul style="list-style-type: none"> • Constructed of glass, polycarbonate or other rigid material • Concrete floor with drainage system connected to sewage, septic tank or rubble drain • <i>May require a method of waste water decontamination</i> • <i>Mechanically ventilated and fitted with HEPA filtration</i> • <i>Negative air pressure must be maintained</i> • <i>Autoclave within facility</i> • <i>Hand basin with hands free mechanism</i> • <i>Benches constructed of metal or similar inert material</i> • <i>Buffer strip (minimum of 1 metre wide) present on all sides of the facility. Must be covered and maintained free from plants.</i>
<p>Level 2 tissue culture</p> <ul style="list-style-type: none"> • Must meet the critical service and structural requirements/specifications for a Level 2 quarantine greenhouse/screenhouse 	<p>Level 2 tissue culture</p> <ul style="list-style-type: none"> • <i>Must meet in Physical Containment Level 1 (PC1) requirements of AS/NZS 2243.3:2010 (Safety in laboratories - Microbiological safety and containment).</i>
<p>Level 3 tissue culture</p> <ul style="list-style-type: none"> • Must meet the critical service and structural requirements/specifications for a Level 3 quarantine greenhouse/screenhouse 	<p>Level 3 tissue culture</p> <ul style="list-style-type: none"> • <i>Must meet in Physical Containment Level 2 (PC2) requirements of AS/NZS 2243.3:2010 (Safety in laboratories - Microbiological safety and containment).</i>
<p>Level 2 quarantine aquarium</p> <ul style="list-style-type: none"> • Each aquarium shall be clear sided and clearly labelled • Each aquarium shall be placed in a watertight tray, the bottom of which shall contain a dilute solution of copper sulphate (5 parts per million or a small grain of a copper sulphate crystal in a litre of water); • Each aquarium shall be inside a building which can be secured; • Each aquarium shall be at least 5m away from a non-quarantine aquarium. 	<p>Level 2 aquarium</p> <ul style="list-style-type: none"> • Each aquarium must be clear sided. • Each aquarium must be inside a building which can be secured. • Each aquarium must be at least 5 m away from a non-quarantine aquarium.