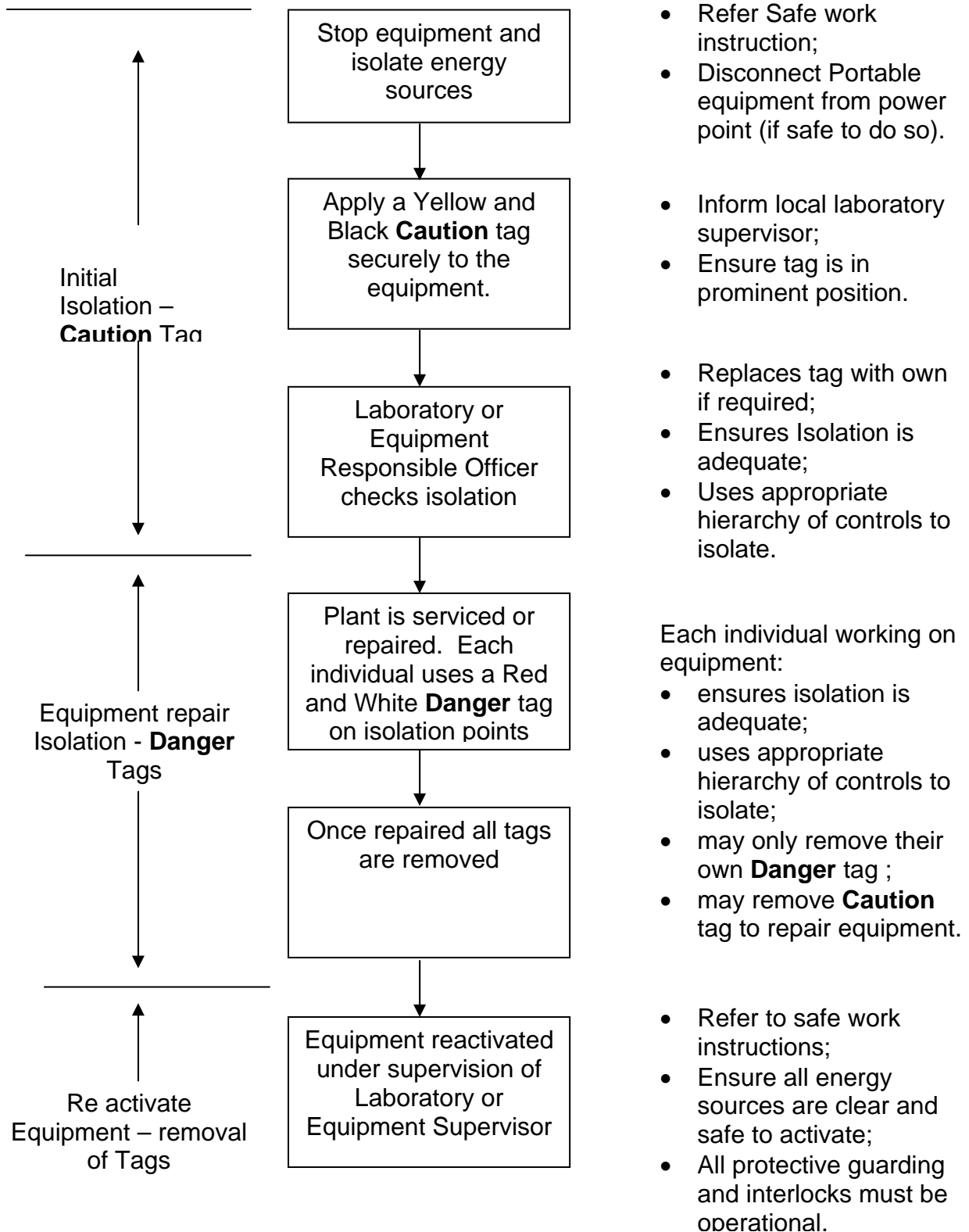







PROCEDURE FOR THE ISOLATION OF EQUIPMENT:

1. If safe to do so stop equipment and isolate each energy source according to safe work instruction or isolation documentation for the equipment.
2. A **yellow & black** “**Caution**” isolation tag must be completed, signed and securely applied to each isolation device or prominent position. The laboratory supervisor or equipment responsible officer must be notified of situation.
3. The laboratory supervisor or equipment responsible officer must check that equipment is isolated adequately and is de-energised for safe repair/service. Isolation locally, at points along the energy route as well as at the energy source where practicable is preferred.
 - **Yellow Caution** tags and locks may be removed by appropriate service people, technical staff, or supervisor after consultation or once equipment is deemed safe for repair and testing purposes.
4. The Lab supervisor or equipment responsible officer may remove original tag and re-tag out equipment with his or her own completed and signed **yellow & black** “**Caution**” tag if required. Any further isolation such as locking devices or removal from service should also take place at this point in time. It is good practice to communicate to relevant personnel that the equipment is out of service and why. The **Caution** tag must remain on the equipment until equipment is fully repaired and ready to be re-energised.
5. Equipment may then be repaired or serviced by competent service providers or authorised personnel. These personnel must securely apply a completed and signed **White & Red** “**Danger**” tag and isolation device to each isolated energy source. Each member of the service provider must check the equipments isolation and use individual tags and isolation devices on each of the isolation points along the route of the energy source. A **Danger** Tag may only be removed by the person who applied and signed the tag, unless in an emergency.
 - Until **all tags** are removed the equipment is to remain out of service. Once removed any tags must be destroyed and not reused.
6. Re-energising of the equipment or section should be done as per the re-activation procedure of the equipment by or under the supervision the laboratory supervisor or responsible officer, ensuring all energy sources are clear, safe to activate and protective guarding or interlocks are operational.

FLOW CHART FOR THE ISOLATION OF EQUIPMENT:



Isolation Device	Description of use
<p>Caution Tag:</p> 	<p>Yellow and Black Tag:</p> <ul style="list-style-type: none"> • Used for out of service machinery. • May be removed by appropriate service people, personnel, or supervisor after consultation and once equipment is deemed safe for repair and testing purposes. • May be used by any person to indicate a fault in machinery. • Tagged equipment must not be used. • Control Hierarchy level - Administrative
<p>Danger Tag:</p>  <p><small>Comes complete with large gromet and string</small></p>	<p>Red White and Black Tag:</p> <ul style="list-style-type: none"> • Used to protect personnel and machinery. • May <u>only</u> be removed by the personnel who placed and signed the tag. • May be done once equipment is deemed safe or the individual has completed their task. • Multiple tags must be used one for each individual. • Tagged equipment must not be used. • Control Hierarchy level - Administrative
<p>Locking device:</p> 	<p>Isolation Pad Locks:</p> <ul style="list-style-type: none"> • Used to protect personnel and machinery in conjunction with tags. • May <u>only</u> be removed by the personnel who placed and signed the tag. • Can be removed once equipment is deemed safe or the individual has completed their task. • Multiple locks must be used one for each individual. • Control Hierarchy level - Engineering
<p>Isolation Clasps:</p> 	<p>Isolation Clasps:</p> <ul style="list-style-type: none"> • Used in conjunction with multiple locks and tags. • Each lock on a clasp represents each individual. • Control Hierarchy level - Engineering
<p>Physical restraint devices</p> 	<p>Physical restraint devices</p> <ul style="list-style-type: none"> • Used in conjunction with clasps locks and tags. • Use to reduce the likelihood of misuse of equipment or accidental energising. • Control Hierarchy level - Engineering