Use this form to provide information about the "Sequence of Events" for your project. You must use **PLAIN ENGLISH** in your responses to these sections – everyday language that can be understood by an educated layperson who has no medical or scientific background.

Please describe the procedure that each animal or cohort of animals will experience or be subject to, in the order in which they will occur. You may include diagrams, flow charts, tables or pictures to demonstrate the procedures you wish to use, and the times at which they may occur.

Please refer to the checklists at the end of this document for the detail required.

Delete this coversheet and checklists prior to attaching this document to your online application.

Indicate the duration of all procedures, the number and type of procedures to be performed on each animal, and the time intervals between procedures or different aspects of the project.

Where procedures follow an approved SOP please reference the SOP and note any variations. If you are performing new procedures specific to this project you may wish to develop and upload a new SOP for that procedure. An SOP template is available on the AE website.

Where substances are administered, give the substance name, formulation, administered concentration, dose, frequency of administration, volume of dose, route of administration, and where appropriate, references justifying their use.

Note: all substances to be administered parenterally must be sterile, endotoxin free, isotonic, and non-irritating. Where a substance is being prepared from powder or diluted for use please include details of the method of preparation.

This document must be submitted as a WORD document only; other formats will not be accepted.

Amendments: When submitting an amendment to procedures you will be required to submit a new version of this document showing tracked changes, in addition to submitting a separate amendment to project form that you may download from the AE website.

IMPORTANT DOCUMENT NAMING CONVENTIONS

- Prior to uploading this document to the BPM ethics application please save the document in the following format
    - **AEPRXXX Experimental Detail v1 (v1 is the version you MUST use for the initial version upload at section 7.1 of the application form.)**
- You will be required to submit a new version of this document showing tracked changes with each amendment made to the project or as requested after initial and subsequent AEC review. When submitting a revised version, you are required to name it as follows
    - **Example 1** – changes to the document are required after initial AEC review. Email the document AEPRXXX Experimental Detail v1_tracked to the Animal Ethics officer. It will be reviewed and uploaded with accepted changes as AEPRXXX Experimental Detail v2 on the additional documents tab.
    - **Example 2** – you submit an amendment after initial approval that requires changes in the experimental detail document. The most recent clean version is currently v2 due to changes being needed after AEC initial review or an earlier amendment. Download the latest clean (untracked version) of the document, make the changes with tracking shown and email this in as APERXXX Experimental detail v2_tracked.

      It will be reviewed along with the amendment and if the changes are accepted it will be uploaded to the additional documents tab with the next Version number (v3) in clean (untracked) format.

      This is important so that you can always easily find the APPROVED version of the experimental detail.

      The same format must be followed for the naming of protocol specific monitoring and or score sheets for the project.

Please fill out the Document version control in Part 1.3: Administration with each change as per the example shown here

Version Number	*Date*	*Reason for change*
v1	01/03/2024	Initial application
v1_tracked	30/03/2024	Response to questions on initial application
v2	3/5/2024	Approved experimental detail *(this will be uploaded by the ethics office)*
v3_tracked	6/7/2204	Submitted with amendment request A01
v3	10/7/2024	Approved as per A01 request *(this will be uploaded by the ethics office)*

Part 1: Administration

1.1 Project Title

AEPR	*Insert protocol reference number*	*Project title*

1.2 Principal Investigators

Position	Title/ First Name/Last Name
Principal Investigator	
Alternate PI	

1.3 Document Version Control

Version Number	Date	Reason for change
v1		Initial application
v1_tracked		

Part 2: Description of Project (refer to checklists at the end of this document for detail required)

In Parts 3 and 4 below summarise the substances to be administered and procedures to be performed that you have detailed in Part 2 above. Add additional rows as required.

Part 3: Substances to be administered

Substance name	Administered concentration	Dose mg/kg	Frequency of administration	Volume to be administered	Route of administration

S4D (lethabarb/pentobarbitone), S8, and S9 substances require additional approvals/record keeping. Please see the UOW Scheduled drugs and poisons guidelines for more information.

Part 4: Procedures summary (e.g. anaesthesia, surgery, blood collection, behaviour testing, tissue collection etc.) {Please summarise here ALL procedures that are to be performed; full details are required in Part 2}

Type of procedure *	Name/detail	Frequency
Eg blood collection	Tail prick AESOP TT-01	once

Checklists:
Please refer to these checklists when completing your Experimental Detail document to ensure you include the required information. Remove the checklists prior to uploading your document.

Administration of substances

Items to include in the description of the procedure:

- Name of Compound/Agent.
- Vehicle.
- Route of administration.
- Dose (e.g. mg/kg).
- Dose volume.
- Frequency of administration.
- Drug action/effect
- Likely or anticipated effects of substance in terms of the experiment.
- Likely or anticipated effects on welfare of the animal.
- Previous experience with the substance/justification for use/references.
- All parenterally administered substances must be sterile, endotoxin-free, isotonic and non-irritating.
- Where substances are being prepared from powder or diluted for use please include details of the method of preparation

Blood/Tissue Sample collection

Items to include in the description of the procedure:

- Detail why the blood/tissue samples are necessary
- From which anatomical location will blood/tissue samples be collected?
- Will the animal be sedated or anaesthetised during the procedure?
- For Blood Collection:
    - Detail the total number of blood collections, and the time interval between each collection.
    - What volume of blood will be collected on each occasion?
    - How will it be collected? Stored?
    - What percentage of the animal's circulating blood volume does this volume represent? (Note: In most species, total blood volume is approximately 70 ml/kg body weight.) Please refer to the NHMRC Guidelines to promote the wellbeing of animals used in Scientific purposes for further information.
    - How will the animal be monitored for the effects of acute and/or chronic blood loss?
- For Tissue Sampling:
    - Detail the size/volume of tissue samples to be collected
    - How will the samples be collected? Stored?
    - How will the animal be monitored after the procedure? For how long?

- What are the potential adverse impacts and how will they be mitigated

Anaesthesia (survival or non-survival)

Items to include in the description of the procedure:

- For which procedure(s) will anaesthesia be used?
- Give details of the anaesthetic agent(s) and technique to be used. Include details of sedatives or tranquilisers. Name of drug, dose rate, dose volume, route of administration, timing of administration, frequency of administration
- What clinical or physiological criteria will be used to monitor the depth of anaesthesia and general well-being of the animal during the anaesthesia? How will this be recorded? Please attach copies of any forms used for anaesthetic monitoring.
- Is this a recovery procedure? If YES, please detail how the animal will be monitored to ensure satisfactory recovery from anaesthesia.

Non-survival surgery

Items to include in the description of the procedure:

- Location of operating room.
- Pre-operative procedures. What procedures will be performed to prepare the animal for surgery (e.g. fasting, withholding of water, placement of vascular catheters)?
- Anaesthesia. Give details of the anaesthetic agent(s) and technique to be used. Include details of pre-operative sedatives or tranquilisers.
- Describe the surgical procedure in detail, including:
  - Anatomical location of surgical site
  - Preparation of the surgical site
  - Surgical approach
  - Other techniques to be used
- Intra-operative medications. Provide details of any other intra-operative medications that will be administered to the animal during surgery (e.g. paralysing agents, fluids).
- Are any of the above medications considered paralysing agents? If YES, why do you need to use a paralysing agent? Note: Neuromuscular blocking agents must not be used without adequate general anaesthesia, or an appropriate surgical procedure that eliminates sensory awareness.
- Monitoring. What clinical or physiological criteria will be used to monitor the depth of anaesthesia and general well-being of the animal during surgery? How will this be recorded? Please attach copies of any forms used for intra-operative monitoring.
- Physical support. What physical methods will be used to support the animal during surgery (e.g. heating pads, blankets, etc.)?

Survival surgery

Items to include in the description of the procedure:

- Location of operating and recovery rooms.
- Pre-operative procedures. What procedures will be performed to prepare the animal for surgery (e.g. fasting, withholding of water, placement of vascular catheters)?
- Anaesthesia. Give details of the anaesthetic agent(s) and technique to be used. Include details of pre-operative sedatives or tranquilisers.
- Preparation of the surgical site. Describe how the surgical site(s) will be prepared prior to surgery (e.g. removal of hair or feathers, disinfection of skin).

- Describe the surgical procedure in detail, including:
    - Anatomical location of surgical site
    - Surgical approach
    - Other techniques to be used
- Describe the procedures that will be followed to ensure maintenance of a sterile field during surgery (e.g. disinfected/sterile operating area; surgeon's cap and face mask; sterile gown, gloves, drapes and instruments). Note: Aseptic technique must be used on ALL animal species
- Provide details of any other intra-operative medications that will be administered to the animal during surgery (e.g. analgesics fluids, antibiotics).
- Are any of the above medications considered paralysing agents? If YES, why do you need to use a paralysing agent? Note: Neuromuscular blocking agents must not be used without adequate general anaesthesia, or an appropriate surgical procedure that eliminates sensory awareness
- Monitoring. What clinical or physiological criteria will be used to monitor the depth of anaesthesia and general well-being of the animal during surgery? Please attach copies of any forms used for intra-operative monitoring.
- Physical support. What physical methods will be used to support the animal during surgery (e.g. heating pads, blankets, etc.)?
- Provide details relating to Analgesia. Unless scientifically or otherwise justified to the AEC's satisfaction, you are obligated to routinely provide pain relief for all vertebrate animals undergoing survival surgery.
- Describe the post-operative care, including a plan for monitoring peri-operatively and over the longer term (particularly for procedure-related complications), antibiotics, fluids, methods to maintain body temperature, suture removal, special feeding, special housing etc.
- Will more than one major survival surgery be performed on each animal? If YES, provide a complete scientific justification for performing more than one major survival surgery on an individual animal. Give the interval(s) between the multiple surgeries, and the rationale for choosing the interval(s). How will you ensure that the animal has recovered to good general health between each procedure?

Checklist F: Transport of animals

Items to include in the description of the procedure:

- Where will the animals be taken from, and where will the animals be taken to?
- How will they be transported? Provide details of type of caging/ restraint used during transport, and type of vehicles used (if any).
- Will food and water be provided? If yes, please describe.
- How long will they be held outside of the animal facility?
- Will live animals be returned to the animal facility?