



DEW reference number: DEW21/039

Your reference number: 11228701

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Australia

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[www.environment.sa.gov.au](http://www.environment.sa.gov.au)

## **RE: FREEDOM OF INFORMATION APPLICATION**

I refer to your application pursuant to the *Freedom of Information Act 1991* (the FOI Act) received by the Department for Environment and Water (DEW) on 02 September 2021 seeking access to:

*"Documents relating to the approval obtained by the applicant, SouthernLaunch.Space, from the Wildlife Ethics Committee (Department for Environment and Water) in respect of the proposed test launch campaign at Whalers Way."*

On 03 September 2021 a revised scope was confirmed with you to:

*"I am seeking documents relating to the approval obtained by the applicant, Southern Launch.Space from the Wildlife Ethics Committee (WEC), Department for Environment and Water in respect of the proposed test launch campaign at Whalers Way. This application is to not include all and every document relating to this topic, but centralise on the applicant, Southern Launch.Space, the finalisation of the approvals process and outcome. Specifically, the documents I require are:*

- The Submission (application) from Southern Launch.Space to the Wildlife Ethics Committee (inclusive of any addendums).*
- All documents held by DEW, that were sent to or received from Southern Launch.Space related to the WEC application.*
- Documents relevant to the Southern Launch.Space application created for the purpose of tabling the formal review process/s (e.g. meeting agenda, agenda papers, meeting minutes, action items of this application) for which a decision was intended to be made in relation to the WEC Southern Launch.Space application.*
- Documents that formally record the outcome of the Southern Launch.Space formal WEC review process".*

*Timeframe: between 9/03/2021 to 2/09/2021*

As the agency did not determine the application within 30 days of receiving it, by the operation of section 19(2)(b) of the FOI Act, the agency is taken to have determined the application by refusing access. Section 19(2a) of the FOI Act provides that an agency may give access to a document on an application after the period within which it was required to deal with the application (and any such determination is to be taken to have been made under this Act).

## **DETERMINATION**

A search of the Department's records have found 21 documents held by this agency within the scope of your request. As a DEW Accredited FOI Officer, I have determined to grant full access to one document and partial access to 20 documents.

Section 20 of the Act provides that an agency may refuse access to a document if it is an exempt document under the Act. The documents, or parts of the document to which I am refusing access and the reasons for the refusal are summarised in the attached document schedule (Attachment 1) and the relevant clauses and public interest test reasoning are provided at Attachment 2. The release documents are provided as Attachment 3.

The department will provide the determination electronically.

## **FEES AND CHARGES**

There is no further charge for processing this application.

## **YOUR APPEAL RIGHTS**

If you are dissatisfied with this determination, you are entitled to exercise your rights to internal review and appeal as outlined in the attached documentation, by completing the [‘FOI Application Form – For Internal Review of a Determination’](#).

If you decide to apply to exercise your rights to review, the completed form must be returned within 30 days to:

Chief Executive, FOI Principal Officer  
Department for Environment and Water  
GPO Box 1047  
ADELAIDE SA 5001  
Email: [dew.foi@sa.gov.au](mailto:dew.foi@sa.gov.au)

Should an FOI applicant believe an agency has failed to identify all of the documents within the scope of their FOI application, they can make a complaint to the Ombudsman under the Ombudsman Act 1972. Attachment 4 provides information on this. You can also visit: [www.ombudsman.sa.gov.au](http://www.ombudsman.sa.gov.au)

If you have any queries in relation to the above please contact the Freedom of Information team on telephone (08) 8463 6625 or email [DEW.FOI@sa.gov.au](mailto:DEW.FOI@sa.gov.au).

Yours sincerely



**VIRGINIA FISHER**

Accredited Freedom of Information Officer, Department for Environment and Water

28 / 09 / 2022

Encl: 1. Document Schedule  
2. Relevant FOI Act exemption clauses  
3. Release documents  
4. Sufficiency of Search – Factsheet – Ombudsman SA

Scope I am seeking documents relating to the approval obtained by the applicant, Southern Launch.Space from the Wildlife Ethics Committee (WEC), Department for Environment and Water in respect of the proposed test launch campaign at Whalers Way. This application is to not include all and every document relating to this topic, but centralise on the applicant, Southern Launch.Space, the finalisation of the approvals process and outcome. Specifically, the documents I require are:

• The Submission (application) from Southern Launch.Space to the Wildlife Ethics Committee (inclusive of any addendums).

• All documents held by DEW, that were sent to or received from Southern Launch.Space related to the WEC application.

• Documents relevant to the Southern Launch.Space application created for the purpose of tabling the formal review process/s (e.g. meeting agenda, agenda papers, meeting minutes, action items of this application) for which a decision was intended to be made in relation to the WEC Southern Launch.Space application.

• Documents that formally record the outcome of the Southern Launch.Space formal WEC review process\*.

Timeframe: between 9/03/2021 to 2/09/2021

Number	Date	Author	Description	Page number	No of Pages	Determination	Clause	Reason	Public Interest Test - Contrary to release	Public Interest Test - In favour of release
1	9/03/2021	DEW Wildlife Ethics Committee	Email	1	4	Release in part	54(1)(a) - Documents affecting law enforcement and public safety	Identities and contact details of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities and contact details of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
2	16/03/2021	DEW Wildlife Ethics Committee	Email	5	2	Release in part	54(1)(a) - Documents affecting law enforcement and public safety	Identities and contact details of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities and contact details of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							58(1) - Documents affecting the conduct of research	Disclosure of the information would reveal sensitive methodology.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	The public benefit in disclosure of documents about a matter of community interest.  Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.
2.1	16/03/2021	Southern Launch	Wildlife Ethics Committee application	7	81	Release in part	54(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety.		
							56(1) - Documents affecting personal affairs	Personal signatures withheld to prevent any possible misuse. Personal CV withheld at request of owner as private and confidential.		
							7(1)(b) - Documents affecting business affairs	The Business Documents contain information relating to a. trade secrets; b. matters having a commercial value to SL; and/or c. matters concerning the business and commercial affairs of SL.	a. Disclosure of this information would likely provide a competitive advantage to interested third parties. b. Disclosure of third party business operations would likely have an adverse effect on relationships between the Government and other private entities.	
							58(1) - Documents affecting the conduct of research	Disclosure of the information would a. undermine the purpose and objectives of the confidential research; b. prematurely disclose theorised and potential impacts and ethical issues; c. prematurely disclose existing observations relating to the location and population of wildlife colonies; and may d. prejudice future launches and research required.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	a. The public benefit in disclosure of documents about a matter of community interest. b. Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.
3	26/03/2021	DEW Wildlife Ethics Committee	Wildlife Ethics Committee Minutes	88	13	Release in part	54(1)(a) - Documents affecting law enforcement and public safety	Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							58(1) - Documents affecting the conduct of research	Disclosure of the information may reveal sensitive methodology.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject matter experts to participate in important research projects.	a. The public benefit in disclosure of documents about a matter of community interest. b. Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.

							Not relevant to Applicant's request	Material not relevant to scope of Applicant's requested information withheld. Including this information would result in a much greater demand on the FOI Team's time in consulting with 3rd parties and applying redaction clauses to information that the applicant did not want. This would have further delayed the release of the information within the scope of the application.		
4	31/03/2021	DEW Wildlife Ethics Committee	Email	101	1	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of agency personnel working in sensitive positions withheld.		
5	31/03/2021	Southern Launch	Email	102	3	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							S8(1) - Documents affecting the conduct of research	Disclosure of the information would a. undermine the purpose and objectives of the confidential research; b. prematurely disclose theorised and potential impacts and ethical issues; c. prematurely disclose existing observations relating to the location and population of wildlife colonies; and may d. prejudice future launches and research required.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject-matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	The public benefit in disclosure of documents about a matter of community interest.  Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.
6	31/03/2021	Southern Launch	Email	105	2	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
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7	1/04/2021	DEW Wildlife Ethics Committee	Email	107	2	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							S8(1) - Documents affecting the conduct of research	Disclosure of the information would reveal sensitive methodology.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject-matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	• The public benefit in disclosure of documents about a matter of community interest.  • Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.
							Not relevant to Applicant's request	Material not relevant to scope of Applicant's requested information withheld. Including this information would result in a much greater demand on the FOI Team's time in consulting with 3rd parties and applying redaction clauses to information that the applicant did not want. This would have delayed the release of the information within the scope of the application.		



7.1	31/03/2021	Southern Launch	Email	109	3	Release in part	<p>S4(1)(a) - Documents affecting law enforcement and public safety</p> <p>S8(1) - Documents affecting the conduct of research</p>	<p>Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.</p> <p>Disclosure of the information would</p> <p>a. undermine the purpose and objectives of the confidential research;</p> <p>b. prematurely disclose theorised and potential impacts and ethical issues;</p> <p>c. prematurely disclose existing observations relating to the location and population of wildlife colonies; and may</p> <p>d. prejudice future launches and research required.</p>	<p>Disclosure of the information would</p> <p>a. reduce the attractiveness and feasibility of wildlife research in South Australia;</p> <p>b. reduce the availability and willingness of subject-matter experts to participate in important research projects;</p> <p>c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.</p>	<p>• The public benefit in disclosure of documents about a matter of community interest.</p> <p>• Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</p>
8	1/04/2021	DEW Wildlife Ethics Committee	Email	112	1	Release in part	<p>S4(1)(a) - Documents affecting law enforcement and public safety</p>	<p>Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.</p>		
9	1/04/2021	DEW Wildlife Ethics Committee	Email	113	5	Release in part	<p>S4(1)(a) - Documents affecting law enforcement and public safety</p> <p>S8(1) - Documents affecting the conduct of research</p>	<p>Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.</p> <p>Disclosure of the information would</p> <p>a. undermine the purpose and objectives of the confidential research;</p> <p>b. prematurely disclose theorised and potential impacts and ethical issues;</p> <p>c. prematurely disclose existing observations relating to the location and population of wildlife colonies; and may</p> <p>d. prejudice future launches and research required.</p>	<p>Disclosure of the information would</p> <p>a. reduce the attractiveness and feasibility of wildlife research in South Australia;</p> <p>b. reduce the availability and willingness of subject-matter experts to participate in important research projects;</p> <p>c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.</p>	<p>• The public benefit in disclosure of documents about a matter of community interest.</p> <p>• Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</p>
10	8/04/2021	DEW Wildlife Ethics Committee	Wildlife Ethics Committee Minutes	118	3	Release in part	<p>S4(1)(a) - Documents affecting law enforcement and public safety</p> <p>S8(1) - Documents affecting the conduct of research</p> <p>Not relevant to Applicant's request</p>	<p>Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.</p> <p>Disclosure of the information would</p> <p>a. undermine the purpose and objectives of the confidential research;</p> <p>b. prematurely disclose theorised and potential impacts and ethical issues;</p> <p>c. prematurely disclose existing observations relating to the location and population of wildlife colonies; and may</p> <p>d. prejudice future launches and research required.</p> <p>Material not relevant to scope of Applicant's requested information withheld. Including this information would result in a much greater demand on the FOI Team's time in consulting with 3rd parties and applying redaction clauses to information that the applicant did not want. This would have delayed the release of the information within the scope of the application.</p>	<p>Disclosure of the information would</p> <p>a. reduce the attractiveness and feasibility of wildlife research in South Australia;</p> <p>b. reduce the availability and willingness of subject-matter experts to participate in important research projects;</p> <p>c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.</p>	<p>• The public benefit in disclosure of documents about a matter of community interest.</p> <p>• Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</p>
11	13/04/2021	DEW Wildlife Ethics Committee	Email	121	3	Release in part	<p>S4(1)(a) - Documents affecting law enforcement and public safety</p>	<p>Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.</p>		

							S8(1) - Documents affecting the conduct of research	Disclosure of the information would reveal sensitive methodology.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject-matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	<ul style="list-style-type: none"> <li>The public benefit in disclosure of documents about a matter of community interest.</li> <li>Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</li> </ul>
11.1	13/04/2021	DEW Wildlife Ethics Committee	Permit	124	3	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							S8(1) - Documents affecting the conduct of research	Disclosure of the information would a. undermine the purpose and objectives of the confidential research; b. prematurely disclose theorised and potential impacts and ethical issues; c. prematurely disclose existing observations relating to the location and population of wildlife colonies; and may d. prejudice future launches and research required.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject-matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	<ul style="list-style-type: none"> <li>The public benefit in disclosure of documents about a matter of community interest.</li> <li>Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</li> </ul>
12	14/05/2021	DEW Wildlife Ethics Committee	Email	127	2	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							S8(1) - Documents affecting the conduct of research	Disclosure of the information would reveal sensitive methodology.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject-matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	<ul style="list-style-type: none"> <li>The public benefit in disclosure of documents about a matter of community interest.</li> <li>Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</li> </ul>
13	21/05/2021	DEW Wildlife Ethics Committee	Email	129	5	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
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14	24/05/2021	Southern Launch	Application amendment	134	6	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							S6(1) - Documents affecting personal affairs	Personal signatures withheld to prevent any possible misuse.		

							S8(1) - Documents affecting the conduct of research	Disclosure of the information would a. undermine the purpose and objectives of the confidential research; b. prematurely disclose theorised and potential impacts and ethical issues; c. prematurely disclose existing observations relating to the location and population of wildlife colonies; and may d. prejudice future launches and research required.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject-matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	<ul style="list-style-type: none"> <li>The public benefit in disclosure of documents about a matter of community interest.</li> <li>Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</li> </ul>
15	28/05/2021	DEW Wildlife Ethics Committee	Email	140	3	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
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15.1	28/05/2021	DEW Wildlife Ethics Committee	Amended permit	143	3	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							S8(1) - Documents affecting the conduct of research	Disclosure of the information would a. undermine the purpose and objectives of the confidential research; b. prematurely disclose theorised and potential impacts and ethical issues; c. prematurely disclose existing observations relating to the location and population of wildlife colonies; and may d. prejudice future launches and research required.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject-matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	<ul style="list-style-type: none"> <li>The public benefit in disclosure of documents about a matter of community interest.</li> <li>Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</li> </ul>
16	28/05/2021	DEW Wildlife Ethics Committee	Email	146	5	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
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17	18/06/2021	DEW Wildlife Ethics Committee	Email	151	5	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							S8(1) - Documents affecting the conduct of research	Disclosure of the information would reveal sensitive methodology.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject-matter experts to participate in important research projects	<ul style="list-style-type: none"> <li>The public benefit in disclosure of documents about a matter of community interest.</li> <li>Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</li> </ul>

18	18/06/2021	DEW Wildlife Ethics Committee	Email	156	4	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							S8(1) - Documents affecting the conduct of research	Disclosure of the information would reveal sensitive methodology.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject-matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	<ul style="list-style-type: none"> <li>The public benefit in disclosure of documents about a matter of community interest.</li> <li>Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</li> </ul>
19	15/07/2021	Wildlife Ethics Committee	Wildlife Ethics Committee Minutes	160	12	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							Not relevant to Applicant's request	Material not relevant to scope of Applicant's requested information withheld. Including this information would result in a much greater demand on the FOI Team's time in consulting with 3rd parties and applying redaction clauses to information that the applicant did not want. This would have delayed the release of the information within the scope of the application.		
20	27/08/2021	Southern Launch	Email	172	3	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
20.1	27/08/2021	Southern Launch	Training certificate	175	1	Full Release				
21	27/08/2021	Southern Launch	Email	176	5	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors and their personal and professional roles, experiences, employment and expertise withheld to protect their safety. Identities of agency personnel working in sensitive positions withheld to prevent any unwanted contact or harassment from issue-motivated people.		
							S8(1) - Documents affecting the conduct of research	Disclosure of the information would reveal sensitive methodology.	Disclosure of the information would a. reduce the attractiveness and feasibility of wildlife research in South Australia; b. reduce the availability and willingness of subject-matter experts to participate in important research projects; c. disclosure of this information may compromise research programs that have not yet commenced or are in progress.	<ul style="list-style-type: none"> <li>The public benefit in disclosure of documents about a matter of community interest.</li> <li>Disclosure regarding the methodology of research programs may encourage future advancements and efficiencies in conducting research.</li> </ul>
21.1	13/08/2021	Southern Launch	Training certificate	181	1	Release in part	S4(1)(a) - Documents affecting law enforcement and public safety	Identities of contractors withheld to protect their safety.		



Schedule 1, Clause 4(1)(a) states:

**4—Documents affecting law enforcement and public safety**

***(1) A document is an exempt document if it contains matter the disclosure of which could reasonably be expected—***

(a) to endanger the life or physical safety of any person.

Schedule 1, Clause 6(1) states:

**6—Documents affecting personal affairs**

***(1) A document is an exempt document if it contains matter the disclosure of which would involve the unreasonable disclosure of information concerning the personal affairs of any person (living or dead).***

Schedule 1, Clause 7(1)(c) states:

**7—Documents affecting business affairs**

***(1) A document is an exempt document—***

*(c) if it contains matter—*

*(i) consisting of information (other than trade secrets or information referred to in paragraph (b)) concerning the business, professional, commercial or financial affairs of any agency or any other person; and*

*(ii) the disclosure of which—*

*(A) could reasonably be expected to have an adverse effect on those affairs or to prejudice the future supply of such information to the Government or to an agency; and*

*(B) would, on balance, be contrary to the public interest.*

Schedule 1, Clause 8(1) states:

**8—Documents affecting the conduct of research**

**(1) A document is an exempt document if it contains matter—**

- (a) that relates to the purpose or results of research (other than public opinion polling that does not relate directly to a contract or other commercial transaction that is still being negotiated), including research that is yet to be commenced or yet to be completed; and*
- (b) the disclosure of which—*
  - (i) could reasonably be expected to have an adverse effect on the agency or other person by or on whose behalf the research is being, or is intended to be, carried out; and*
  - (ii) would, on balance, be contrary to the public interest.*

Schedule 1, Clause 9(1) states:

**9—Internal working documents**

**(1) A document is an exempt document if it contains matter—**

- (a) that relates to—*
  - (i) any opinion, advice or recommendation that has been obtained, prepared or recorded; or*
  - (ii) any consultation or deliberation that has taken place, in the course of, or for the purpose of, the decision-making functions of the Government, a Minister or an agency; and*
- (b) the disclosure of which would, on balance, be contrary to the public interest.*

Schedule 1, Clause 16(1)(a)(iv) states:

**16—Documents concerning operations of agencies**

**(1) A document is an exempt document if it contains matter the disclosure of which—**

- (a) could reasonably be expected—*
  - (iv) to have a substantial adverse effect on the effective performance by an agency of the agency's functions; and*
- (b) would, on balance, be contrary to the public interest.*

### **Public Interest Test**

Redactions applied pursuant to the Act requires weighing up the public interest when determining whether to allow access to the requested information.

In making the determination, the public interest factors in favour of disclosure, particularly the objects of the Act which promote full disclosure of documents were taken into consideration.

Factors considered in favour of the public interest for release are:

- Meeting the objects of the FOI Act, which promotes public access and transparency of government held information and records.
- The importance of transparency and openness and the interest that the public has in the decision making processes of government and government boards and committees.

Factors considered contrary to the public interest for any such release are:

- The release of sections withheld pursuant to Clauses 4(2)(a)(v) and 16(1)(a)(iv) would involve the unreasonable disclosure of information concerning third parties engaged in sensitive work or positions and thus are exempt pursuant to the FOI Act. Contact details, signatures and resumes have also been withheld pursuant to Clause 6(1).
- The full disclosure of documents marked under Clauses 7(1)(c) and/or 8(1) would reveal the intellectual property of third parties, the disclosure of which would reveal information that is commercially sensitive to a third party and may place the party at a commercial disadvantage against its competitors. Disclosure of this information may expose the State Government to breaches of trust and confidence by members of the public.
- The disclosure of documents marked under Clause 9(1) would disclose opinion, advice or recommendations prepared by an officer of the agency, as the opinion, advice or recommendation that formed part of a deliberative process.

---

**From:** DEW:Wildlife ETHICS Committee  
**Sent:** Tuesday, 9 March 2021 3:54 PM  
**To:** 'Andrew Curran'  
**Subject:** RE: Ethics Application - Southern Launch

**For Official Use Only**

Andrew  
 Look forward to receiving the signatures.

Cheers

S4(1)(a)

---

**From:** Andrew Curran S4(1)(a)  
**Sent:** Tuesday, 9 March, 2021 3:52 PM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Subject:** RE: Ethics Application - Southern Launch [DLM=For-Official-Use-Only]

Hello S4(1)(a)

Many thanks – I will make sure you have it before then

Regards

**Andrew Curran**

Project Director – Buildings and  
 Infrastructure

---

**Southern Launch**

m: S4(1)(a)

e:

[www.southernlaunch.space](http://www.southernlaunch.space)



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---

**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Sent:** Tuesday, 9 March 2021 3:50 PM  
**To:** Andrew Curran S4(1)(a)  
**Cc:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Subject:** RE: Ethics Application - Southern Launch [DLM=For-Official-Use-Only]

**For Official Use Only**

Andrew  
 If I could receive the signatures by close of business Monday 15<sup>th</sup> March, then I will be able to include it in the circulation to the Committee.

Cheers



S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Environmental and Information Team | Information Management Unit  
Science, Information & Technology Branch  
Department for Environment and Water  
P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
Website: [Wildlife Ethics Committee](#)  
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---

**From:** Andrew Curran S4(1)(a)  
**Sent:** Tuesday, 9 March, 2021 2:25 PM  
**To:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>  
**Subject:** RE: Ethics Application - Southern Launch [DLM=For-Official-Use-Only]  
**Importance:** High

Hello S4(1)(a)

S4(1)(a) is on Liguanea Island today. When does the signed document need to be submitted by?

Regards

**Andrew Curran**  
Project Director – Buildings and  
Infrastructure

---

**Southern Launch**

m: S4(1)(a)  
e: S4(1)(a)

[www.southernlaunch.space](http://www.southernlaunch.space)



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**From:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>  
**Sent:** Tuesday, 9 March 2021 1:32 PM  
**To:** Andrew Curran S4(1)(a); DEW:Wildlife ETHICS Committee  
<[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

Cc: S4(1)(a)

Subject: RE: Ethics Application - Southern Launch [DLM=For-Official-Use-Only]

**For Official Use Only**

Hi Andrew

Thanks for your submission, can you review Section 3 - the Primary applicant cannot sign this section – can someone review this question please and have it resigned and have S4(1)(a) sign application. The Committee will review the application on March 25<sup>th</sup>.

Kind Regards

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Environmental and Information Team | Information Management Unit  
Science, Information & Technology Branch  
Department for Environment and Water  
P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
Website: Wildlife Ethics Committee  
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GPO Box 1047 Adelaide SA 5001 AUSTRALIA  
[environment.sa.gov.au](http://environment.sa.gov.au) | [envirodata.sa.gov.au](http://envirodata.sa.gov.au)



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**From:** Andrew Curran S4(1)(a)

**Sent:** Tuesday, 9 March, 2021 11:44 AM

**To:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

**Cc:** S4(1)(a)

**Subject:** Ethics Application - Southern Launch

Dear Sir/Madam

Please find attached out documentation for our ethics application for a series of rocket launches at Whalers Way, south of Port Lincoln. Please feel free to email or call me if you have any questions or if I have missed any documentation.

Many Regards

Andrew Curran  
Project Director - Buildings and Infrastructure

Southern Launch  
m: S4(1)(a)

e: S4(1)(a)

[www.southernlaunch.space](http://www.southernlaunch.space)

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**From:** DEW:Wildlife ETHICS Committee  
**Sent:** Tuesday, 16 March 2021 8:36 AM  
**To:** S4(1)(a); DEW:Wildlife ETHICS Committee  
**Cc:** Andrew Curran  
**Subject:** RE: Signed application

**For Official Use Only**

Hi S4(1)(a)

Thanks for your signatures. I will take your Word Document to the meeting with the highlighted changes.

Thanks

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Science, Information and Technology Branch | Strategy Science and Corporate Services Division  
 Department for Environment and Water  
 P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
 Website: [Wildlife Ethics Committee](#)

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---

**From:** S4(1)(a)  
**Sent:** Friday, 12 March 2021 4:46 PM  
**To:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>  
**Cc:** Andrew Curran S4(1)(a)  
**Subject:** Signed application

Hi S4(1)(a),

please find attached the signed version of our application.

Please note that there have been a couple of small changes:

- the date of S8(1) was changed to be the day before the launch rather than the day of the launch
- some missing detail from Section 12 was added



I understand that the document will have already been circulated to the committee and am unsure of the process to make amendments, if any. I have attached a word version with the changes tracked and a PDF with the three different pages, in case they are helpful.

Regards

S4(1)(a)

on behalf of Southern Launch (CC'd)

## SOUTH AUSTRALIAN ANIMAL ETHICS APPLICATION FOR ANIMAL ETHICS COMMITTEE APPROVAL OF WILDLIFE STUDIES

Please do not use this form if you require University of Adelaide Animal Ethics Committee approval.

The University web form is accessible at the ethics website: <https://www.adelaide.edu.au/research-services/ethics-compliance-integrity/animal-ethics/animal-ethics-applications>

### To which committees are you submitting?

### Email completed form to:

<input type="checkbox"/> PIRSA/SARDI	<a href="mailto:PIRSA.AnimalEthics@sa.gov.au">PIRSA.AnimalEthics@sa.gov.au</a>
<input type="checkbox"/> SA Pathology/CALHN	<a href="mailto:SAPathologyAEC@sa.gov.au">SAPathologyAEC@sa.gov.au</a>
<input checked="" type="checkbox"/> Wildlife	<a href="mailto:DEW.WildlifeEthicsCommittee@sa.gov.au">DEW.WildlifeEthicsCommittee@sa.gov.au</a>

### Instructions

- This form is NOT to be used for Teaching or Breeding Colony Maintenance applications;
- After completing this form please refer to the relevant Animal Ethics Committee for the preferred method of submission via Word or pdf.

<b>Office Use Only</b>	<b>Project Number:</b>	9/2021	<b>Date Received:</b>	resubmitted 12/03/2021	<b>Revision Number:</b>	
<b>Your Licence number for Teaching, Research or Experimentation involving animals in SA: (you or your company/institution must be licenced prior to ethics approval).</b>						pending

Title of Project	Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex
Name of Primary Applicant	Southern Launch Pty Ltd
<b>Summary</b> of Animals Required	Project is to verify that launching a rocket with a trajectory over Liguanea Island (Lincoln National Park) will have no impact on breeding colonies of Australian sea lion or long-nosed fur seal, with numbers up to 165 and 9000 individuals, respectively.
Procedure Types (Refer Q11)	Observational Studies

Pain Classifications (Refer Q12)	Most likely no or mild pain or distress, but isolated cases of all classifications are possible.
-------------------------------------	--

Expected date for animal use to begin?	22 April 2021, but may slip by weeks
Expected date for animal use to end?	23 April 2021 (first launch). There may be two subsequent launches, which may not require seal monitoring
Project duration?	Three days per launch (likely, potentially longer)
Does this application relate to a previously approved Protocol?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If so, give previous approval number(s)	
Have reports on these projects been lodged?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does this project involve any of the following:	<input type="checkbox"/> Honours Student <input type="checkbox"/> Masters Student <input type="checkbox"/> PhD Student
Funds Source (Grant ID is applicable)	
Approval to share information	By submitting this application I give approval for this application and any information relating to it to be shared by South Australian Animal Ethics Committees and the Animal Welfare Unit within the Department for Environment and Water for the purposes of administration, approval and monitoring.  <input checked="" type="checkbox"/> Yes
Declaration of interest	Is there any actual or potential interest, including financial interest or other relationship or affiliation by any research/team member involved in the project that may affect judgements and decision regarding the wellbeing of the animals involved? See Code <a href="#">Clause 2.7.4.21</a>  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  If yes, outline the potential and any steps to be taken to ensure the ethical integrity of the project.

## Primary Applicant

Reminder: All Honours/Masters and PhD studies must be approved by an AEC. The applicant must be the degree candidate supervisor. The University of Adelaide requires ethics applications to be made using its online form.

Name (include title)	Mr Andrew Curran	
Applicant's Institution and Department	Southern Launch Pty Ltd	
Contact details (including After Hours)	Email	S4(1)(a)
	Phone	+61 8 8359 2439

	Mobile	S4(1)(a)
Correspondence to	Andrew Curran, S4(1)(a)	
<b>Co-applicant</b>		
Name (include title)	S4(1)(a)	
Institution and Department	S4(1)(a)	
Contact details (including After Hours)	Email	S4(1)(a)
	Phone	S4(1)(a)
	Mobile	S4(1)(a)

### Other Applicant/s

Name (include title)	S4(1)(a)	
Institution and Department	S4(1)(a)	
Contact details (including After Hours)	Email	S4(1)(a)
	Phone	S4(1)(a)
	Mobile	S4(1)(a)



## 1. Short Lay Summary (Maximum 100 words)

A lay summary is a brief summary of a research project that is used to explain complex ideas and technical and scientific terms to people who do not have prior knowledge about the subject.

The Project is comprised S8(1) monitoring of the behaviour of long-nosed fur seals on Liguanea Island (part of Lincoln National Park) during a test launch of a rocket from the proposed Whalers Way Orbital Launch Complex south of Port Lincoln.

## 2. Provide a lay description of the project and its aims, and its hypothesis.

The aim of the Project is to verify noise modelling and the desktop assessment that noise (and visual impact) associated with a rocket launch would not significantly disturb seals on the island, i.e. would result in no or only short-term movement into the water.

Liguanea Island, which is part of Lincoln National Park, is 5–8 km from the proposed Whalers Way Orbital Launch Complex south of Port Lincoln. It has breeding colonies of both long-nosed fur seal *Arctocephalus forsteri* (LNFS) and Australian sea lion *Neophoca cinerea* (ASL) (currently Vulnerable under the *National Parks and Wildlife Act 1972* but Endangered under the EPBC Act 1999). The maximum estimated abundances of these species are about 9,000 and 165, respectively. ASL tend to be concentrated on the southern peninsula of the island, and LNFS are generally within four sub-colonies along the eastern coast (J Diversity 2021).

Published literature and experience from seal colonies near other rocket launching facilities in the United States of America suggest that significant behavioural impacts on seals are unlikely below 90 dB (100 dB for most species). At higher noise levels there is the possibility of movement into the water, and in extreme cases a stampede with pups possibly being trampled or separated from their mothers. Experience from the United States has shown that seals moving into the water as a result of rocket launches haul out again within minutes to two hours. During more than 20 years of launches in the vicinity of seal colonies in Alaska and California there has been no evidence of any stampede resulting in a trampling of pups (Rauch 2017).

The rocket launch would result in elevated noise levels for less than two minutes. Noise modelling predicted that noise on Liguanea Island (and at Cape Wiles) would be below the aforementioned 90 dB threshold except at the northern end of the island (for some launches from one of the two launch sites). Sonic booms would be generated several kilometres offshore during ascent, but are typically directed in front of the rocket and would not be close enough or strong enough, due to the relatively small size of the rockets, to reach the earth's surface (J Diversity 2021).

S8(1)

LNFS are considered to be a suitable proxy for ASL because:

- they are generally more sensitive to noise and other human disturbance (pers comm., S4(1)(a) S4(1)(a))
- they are more readily monitored on Liguanea Island because the breeding population is large, and restricted to suitable coastal habitat where animals habitually return (i.e. high predictability that animals will remain within a monitored area).

Australian sea lion are more difficult to monitor on Liguanea Island because the breeding population is small, and animals are highly mobile and often disaggregated (i.e. low predictability that animals will remain within a monitored area).

S8(1)

### 3. Detailed Description of What Will Happen to the Animals

3.1 Using Lay Language describe what happens to the animals from the time they are obtained until the time the project is completed.

S8(1)

During the launch seals on Liguanea Island (and possibly some at Cape Wiles on the mainland) would experience elevated noise levels (likely less than 90 dB) for less than two minutes. The seals would not experience a sonic boom.

3.2 Where will the procedures/use of animals take place? (If more than one location is to be used, clearly explain what will happen at each different site)

Procedure/Use of Animals	Locations (Nearest Named Place)
Rocket launch with potential for behavioural impacts on LNFS	Launch at Whalers Way, southern Eyre Peninsula, LNFS on Liguanea Island and at Cape Wiles
S8(1)	Eastern coast of Liguanea Island

3.3 What will happen to the animal at the end of the project? If it is to be killed, what method is to be used? (Do not include collection of museum specimens here - complete Question 4.4.4)

Animal	Fate	Method (if Killed)
Long-nosed fur seal	No long-term impact expected	n/a
Australian sea lion	No long-term impact expected	n/a

## 4. Capture and Use of Wildlife

### 4.1 Capture Methods

☐ Yes      ☒ No, Move to Q4.2

4.1.1 What types of traps will be used? Describe these in full, including dimensions.

4.1.2 How many traps will be set and over what period of time?

4.1.3 How often and at what times will traps be checked and/or cleared?

4.1.4 How will the traps be identified and their locations recorded?

4.1.5 How will distress and death of trapped animals be minimised? (Hot, cold or wet weather etc.)

4.1.6 How will predation of trapped animals be minimised? (Ants, crows etc.)

4.1.7 How will traps be inactivated when not in use, and deactivated when no longer required?

4.1.8 What is the safest time to capture and release the study animals? *(Take into account the reproductive biology of the species and any special considerations given to nocturnal animals)*

4.1.9 If bait is used or food/water provided in traps give details.

4.1.10 What is the maximum number of traps each team leader will have responsibility for within a trapping period? How many assistants will provide support?

4.1.11 Describe any other methods to be used for capture.

4.1.12 What will be done if more animals are caught than expected?

4.1.13 How will the potential impact on dependant young be reduced?

4.1.14 What will happen to non-target animals caught (if applicable)?

4.1.15 What will happen to any feral/pest animals caught (if applicable)?

4.1.16 How will any carcasses be disposed of?

4.1.17 What established standard operating procedures or recognised guidelines (relevant to animal welfare) will be followed? attach a copy of any relevant documents at the end of this document.

## 4.2 Collection of biological samples (e.g. hair, tissue, blood etc.)

☐ Yes ☒ No, Move to Q4.3

4.2.1 What samples (including blood, tissue, hair, feather, swab etc) will be collected and how will these be taken?

4.2.2 What size/volume/amount of sample will be collected from each individual animal? For blood, express this as a percentage of the animal's circulating blood volume.

4.2.3 What blood/tissue collection route, needle size, technique(s) and equipment will be used?

4.2.4 How often will each individual animal be sampled?

4.2.5 How will pain during the procedure be minimised?

4.2.6 How will the risk of infection at the site be minimised?

4.2.7 How will animals be restrained during handling and/or sampling? (Outline anaesthetic procedures if applicable)

4.2.8 If restraint is required before an anaesthetic takes effect, how will this be achieved?

## 4.3 Anaesthesia or sedation

☐ Yes ☒ No, Move to Q4.4

4.3.1 How will the animal be monitored (while restrained; during anaesthesia; during recovery)?

Attach your Monitoring Record Sheet at the end of this document.

4.3.2 Where will the animal recover from any anaesthetic/sedative?

4.3.3 What special considerations will be taken into account while the animal is recovering? (e.g. protection from predators; excessive heat or cold)

4.3.4 What steps will be taken to ensure that the animal is recovered sufficiently from any anaesthetic/sedative prior to release?

#### 4.4 Collection of Museum Voucher Specimens

☐ Yes      ☒ No, Move to Q4.5

4.4.1 What species and numbers of whole animals will be retained as museum voucher specimens?

4.4.2 What consultation has been undertaken with the Curators from the SA Museum?

4.4.3 Explain why the collection of these voucher specimens is necessary.

4.4.4 How will the animals be killed?

4.4.5 How will the animals be preserved?

4.4.6 Will other samples (e.g. tissue; hair) be collected as an alternative to whole animals?

4.4.7 Where will the voucher specimens be lodged?

#### 4.5 Transporting Animals

☐ Yes      ☒ No, Move to Q4.6

4.5.1 Is transport of live animals necessary and if so what method and precautions will be used?

4.5.2 What is the type of container to be used?

4.5.3 What shelter/bedding will be provided?

4.5.4 How many animals per container?

4.5.5 Will food and/or water be provided? Give details.

4.5.6 What precautions will be taken to protect animals from temperature extremes?

4.5.7 What is the maximum length of time that animals will be held in this way?

#### 4.6 Identification of Individual Animals (e.g. photo, microchip, paint, eartag)

☐ Yes      ☒ No, Move to Q4.7

4.6.1 How will animals be individually identified?

4.6.2 If animals will be marked temporarily or permanently, describe how this will be done.

4.6.3 If animals are to be marked permanently, give evidence that the potentially negative consequences of any marking technique are outweighed by the benefits gained by the use of this technique in your research.

4.6.4 Animals should only be marked permanently when a project is sufficiently funded to ensure that efforts can be made to recapture/relocate the marked animal/population. Explain whether there is such funding.

#### 4.7 Tracking or Monitoring Technologies (e.g. radio-collars; logging devices)

☐ Yes      ☒ No, Move to Q5

4.7.1 Give examples (from published literature) of research projects which have used this (or similar) devices and successful attachment techniques, for the taxonomic group concerned.

4.7.2 If you have not used the proposed equipment and methods previously, give details of any experienced researchers you have consulted for advice.

4.7.3 What are the potential negative impacts on the animal of having a device attached or implanted?

4.7.4 If the attachment method has not previously been used in the field under similar circumstances, the attachment methods should be tested on captive animals before using them in the field. Has this been done?

4.7.5 What is the total weight and the dimensions of the transmitter/logger plus the attachment device? Express this as a percentage of the weight of the animal, taking sex and age into account.

4.7.6 Explain how the transmitter/logger will be attached or implanted.

4.7.7 How long will the transmitter/logger remain on/in the animal?

4.7.8 How will the transmitter/logger be retrieved? If not retrieved, explain why.

4.7.9 If a collar or harness is used, is there a break-away or rot-away section? If not, why not?

4.7.10 Transmitters/loggers should only be attached when project funding guarantees the ability to monitor a tagged animal for the life-span of the device, or until the animal is recaptured for device removal or the device is shed. Explain how such funding is assured.

## 5. Management of Unexpected Adverse Events

5.1 What will happen to an animal that is sick or injured?

The activities are not expected to cause any physical injury to animals. It is possible although unlikely that a pup may become trampled in a stampede, but injury is unlikely because of the relatively low density of seals and the age of the pups S4(1)(a) . If an animal were found to be injured during instrument retrieval and it could reasonably be attributed to a recent stampede, an appropriate veterinary surgeon S4(1)(a) on standby at Port Lincoln, would be transported to the island from Whalers Way by helicopter.

5.2 What types of injuries might arise that would result in the need for animal(s) to be euthanased?

Trampling injury

5.3 If an animal needs to be euthanased in an emergency, how will this be done, and by whom?

By an appropriate veterinary surgeon S4(1)(a)

5.4 At what point, if any, will the trapping be stopped (prior to the planned completion date)?

No trapping will be undertaken. The impacting activity would be the rocket launch, which is a once-off activity.

5.5 Identify any other relevant emergencies that may arise (e.g. whilst working in the field in remote or inaccessible locations) and explain what procedures are in place to deal with those emergencies.

There is the possibility of fall or bite injuries to staff. A first aid kit and rapid transport to hospital (via helicopter) are available.

## 6. Monitoring of Potential Pain and Distress

6.1 Identify and justify all procedures with potential to cause pain or distress. What steps will be taken to avoid or minimise such pain or distress?

The procedures are:



Launch – An impact assessment using noise modelling, noise impact criteria sourced from the literature and experience from other rocket launching sites near seal colonies has concluded that there would be no significant disturbance on seals from launches at Whalers Way. Although it is possible that there may be movement of animals from a rested to active state, with at least some animals entering into the water, no long-term impacts are expected. The possibility of pups being trampled during a stampede is considered unlikely.

Some mitigation measures would be used to reduce noise impacts during rocket take-off. The test launch would occur outside of the breeding season for both ASL and LNFS.

Any impact arising from the test launch is justified because of the need to verify that the noise emitted during a rocket launch does not create significant disturbance to seals.

6.2 Detail the monitoring that will be made of the animals during the project, especially if surgery is performed or devices attached. Attach a Monitoring Record Sheet and identify who will complete it and at what frequency.

## 7. Animals Required

The AEC understands that it is not always possible to accurately predict how many animals will be captured in some studies, however, an attempt must be made to explain the number of animals which need to be caught to satisfy your research purpose.

Note that the table below is populated with conservatively high estimates of the number of animals exposed to launch noise (mainly because not all seals would be on the island at one time). The number of NZFS potentially disturbed by the deployment or retrieval of cameras would be in the tens.

7.1 State the Number of Animals to be used in the table below - attach a separate list if necessary.

Common Name	Scientific Name	Strain	Sex	Age or Size	Number / Month	Total Number for duration of project	Explanation if total number is unknown
Long-nosed fur sea	<i>Arctocephalus forsteri</i>		Both	Various		~ 9,000	
Australian sea lion	<i>Neophoca cinerea</i>		Both	Various		165	

### 7.2 Animal Number Justification

Irrespective of whether or not the research is likely to cause distress to the animals, the AEC needs to assess whether or not the use of animals will allow worthwhile scientific or educational objectives to be met. Each project must use no more than the minimum number of animals necessary to ensure scientific and statistical validity. Adequately justify the number of animals needed and give your explanation here.



## 8. Animals Housing

☐ Yes      ☒ No, Move to Q9

8.1 Will animals be housed or held (short-term or long-term) after capture?

8.2 Justify why animals need to be housed and not released immediately.

8.3 Where will the animals be housed?

8.4 Describe the container (and state dimensions of any cages/pens/aquarium)

8.5 What shelter/bedding will be provided?

8.6 How many animals per container/enclosure?

8.7 What will be the duration of housing?

8.8 What will animals be fed, and how often will they be fed?

8.9 Who will be responsible for the care of the animals? Provide emergency contact details.

## 9. Is the acquisition, retention or use of the animals subject to any permit, law or regulation of the State or Commonwealth?

(e.g. Scientific permit number under the *National Parks and Wildlife Act 1972*, Protected native or imported species; Australian Bird and Bat Banding Scheme (ABBBS) Banding Authority; Ministerial Exemption under Section 115 of the *Fisheries Management Act 2007*, SA Health Department Controlled Substances Licence (if required))

☒ Yes      ☐ No

If Yes, please provide details of the permit/authorisation number(s) and holder(s).

An application for a Licence for Teaching, Research or Experimentation involving animals has been lodged and is pending.

An application for a Scientific Research permit has been lodged and is pending.

S7(1)(b)

#### 10. Purpose of the Project (cross primary purpose only)

<input type="checkbox"/>	The understanding of human or animal biology.
<input type="checkbox"/>	The maintenance or improvement of human or animal welfare.
<input type="checkbox"/>	The improvement of animal management or production.
<input type="checkbox"/>	The achievement of education objectives.
<input checked="" type="checkbox"/>	Environmental study.

#### 11. Procedure Category (cross all appropriate categories)

<input checked="" type="checkbox"/>	Observational Studies: e.g. behavioural study, feeding trial, pitfall trapping, obtaining weights and body measurements.
<input type="checkbox"/>	Animal Unconscious; No Recovery: Animal killed prior to commencement of project or killed while under general anaesthetic e.g. killing animals for voucher specimens.
<input type="checkbox"/>	Minor Conscious Intervention: No Anaesthesia: e.g. injections, leg-banding, blood sampling, fitting radio-collars, attaching transmitters with glue or tape, toe or ear clipping for identification purposes, implanting microchips without anaesthesia.
<input type="checkbox"/>	Minor Procedures with Recovery: e.g. Organ biopsies, attaching radio-collars or transmitters under anaesthesia, implanting microchips under anaesthesia, removing teeth, micro CT.
<input type="checkbox"/>	Major Surgery with Recovery: e.g. bone surgery, implanting abdominal radio-transmitters.
<input type="checkbox"/>	Minor Physiological Challenge: e.g. minor infection, minor or moderate genetic deformity, early oncogenesis; residue testing.
<input type="checkbox"/>	Major Physiological Challenge: e.g. major infection, oncogenesis without pain alleviation; environmental deprivation for extended periods.
<input type="checkbox"/>	Death as an Endpoint: e.g. lethality testing, vaccine testing where death is a planned and necessary part of the study (see Code definition and clause 1.13).

#### 12. Pain/Distress Classifications (cross where appropriate)

All of the outcomes are possible but the most likely outcomes are no or mild pain or distress with all other outcomes considered to be highly unlikely isolated cases (in the event of trampling during a stampede).

	Category	Procedures	Extent and Duration Suffering
<input checked="" type="checkbox"/>	No pain or distress	Rocket launch, instrument deployment and retrieval	Seals alerted by launch noise S8(1) but no movement
<input checked="" type="checkbox"/>	Mild pain or distress	As above	Seals move, perhaps into the ocean, but haul out again within an hour

<input type="checkbox"/>	Moderate pain or distress		
<input type="checkbox"/>	Substantial pain or distress		
<input type="checkbox"/>	Severe pain or distress (Animals in this category must be humanely killed)		

### 13. Administered substances

Nil

Administered substance	Recomm. Dose Rate (mg/kg)	Frequency	Route Administered & needle size	Concentration (mg/ml) & total dose (mg or ml) to be given	Possible adverse effects of administration or withdrawal of substance?
<u>Anaesthetic Agents</u> Brand Name:  Concentration of active substance specified in packaging:					
<u>Post-Operative Analgesia</u> Brand Name:  Concentration of active substance specified in packaging:					
<u>Tranquillisers</u> Brand Name:  Concentration of active substance specified in packaging:					
<u>Antibiotics</u> Brand Name:  Concentration of active substance specified in packaging:					
<u>Other Substances</u> Brand Name:  Concentration of active substance specified in packaging:					
<u>Research Compounds/ Test substances/ Devices/Biologicals</u> Brand Name:					

Concentration of active substance specified in packaging:					
Humane Killing Agents Brand Name:					
Concentration of active substance specified in packaging:					

13.1 What experience do you have in using these agents?

n/a

13.2 If novel test compounds are to be used in an experiment or screening assay, what is known about the toxicity of these compounds? Please explain how this information is to be found or the lack of knowledge managed.

n/a

14. Provide justification for the use of wildlife, taking into account the ethical considerations, the impact on the welfare of the animals and the anticipated scientific value.

Southern Launch is proposing to establish an orbital launch complex from which there will be 30 launches annually, each with the possibility of impacting seal populations on Liguanea Island. An impact assessment using noise modelling, noise impact criteria sourced from the literature and experience from other rocket launching sites near seal colonies has concluded that there would be no significant disturbance on seals from launches at Whalers Way.

However, greater confidence that ongoing launches will not impact seals can be achieved by verifying noise levels and monitoring the seals during a test launch. The risks to the animals from a single launch are considered to be low when weighed against the increased certainty about impacts on seal behaviour that would be gained from the test launch.

15. Why are wild animals required? Can a captive population be used?

As the aim of the project is to verify that launches will not significantly disturb seals on Liguanea Island, it is not possible to test with captive populations, which are limited or non-existent anyway.

16. Please discuss the ethical issues that the AEC will need to consider when reviewing this proposed experimentation. Your answer should address the 3Rs, Replacement, Reduction & Refinement. (See Clauses 1.18–1.30 of the Code).

"Not applicable" is not acceptable.

1. Ethical Issues e.g.:	S8(1) launch noise are expected to result in no distress or short-term,
----------------------------	--

<ul style="list-style-type: none"> <li>• What is the welfare cost to the animal?</li> <li>• In what way is the level of pain/discomfort justified?</li> <li>• How does this mesh with the cost/benefit</li> </ul>	<u>low distress to animals, but there is the possibility of injury or death to a few individuals in the event of a stampede. This risk is justified in that it would ensure that there were not ongoing impacts from future launches which, if the project were approved, are projected to be about 30 annually.</u>
2. Reduction:	<u>All animals on the island will be exposed to elevated noise and this cannot be reduced.</u> S8(1)
3. Refinement:	S8(1)
4. Replacement Consideration of Alternatives Your response, should include the following: <ul style="list-style-type: none"> <li>• A list of any potential alternatives to animal use</li> <li>• Whether any of these alternatives would be used</li> <li>• Details of literature searches you have undertaken</li> </ul> This answer should explain why animals need to be used at all.	<u>Assessments using noise modelling, noise impact criteria sourced from the literature and experience from other rocket launching sites near seal colonies have been applied to assess the impact on seals from launches at Whalers Way.</u>  <u>However, there is a desire to validate this assessment through a test launch.</u>

## 17. New Information or Understanding Sought

- It is the responsibility of the applicant to explain to the AEC why the project needs to be conducted and what the benefits are.
- Unnecessary duplication is unacceptable.
- Please explain how your proposal adds in a meaningful way to an existing body of knowledge.

The Project is being undertaken to validate the findings of an impact assessment and ensure that seals on Liguanea Island won't be repeatedly exposed to unacceptable impact from future rocket launches.

## 18. In what way does this proposal relate to your previous or concurrent work?

- It is useful for the AEC to understand how this proposal fits into the broad research strategy/interest of your group.

The proposal is in response to a unique situation arising from the proposal for a rocket launch facility in proximity to seal colonies. This proposal is to provide verification of noise modelling and impact assessment (J Diversity 2021) undertaken for the development application for the facility, which will have ongoing launches (initially about 30 annually).

## 19. Published Articles

Relevant publications include:

- J Diversity (2021), *Whalers Way Orbital Launch Complex Marine Ecological Assessment*. Report prepared for Southern Launch
- Rauch, SD (2017), *Takes of Marine Mammals Incidental to Specified Activities; Taking Marine Mammals Incidental to Space Vehicle and Missile Launch Operations at Pacific Spaceport Complex Alaska, Kodiak Island, Alaska*, National Marine Fishery Service, Federal Register / Vol. 84, No. 69. (A US Government gazettal of an approval to 'take by incidental harassment', i.e. moderately disturb, seals hauled out on an island a similar distance offshore from a launch facility in Alaska)

20. Do you propose to publish the results and/or make your data available to the wider community? If not, please explain why.

Yes

21. Health risks posed to other animals

N/A

22. What health risks to other staff exist? How could staff be affected?

There are risks associated with falls/trips while moving on the rocky shoreline of Liguanea Island during deployment and retrieval of instruments.

Injuries from seals are not expected due to the level of care that will be taken to avoid coming close to them.

23. Credentials of all those involved in the project

	Name and Qualification	Detail the experience each participant has in the procedures to be undertaken with the species being used (if no experience, describe how relevant training and supervision will be obtained)	In which procedure(s) is this person involved?	Date this person attended an Animal Users Training Day?
Chief Applicant(s):	<u>Andrew Curran</u>	<u>Experience relevant to rocket launching only.</u>	<u>Project Director for the rocket launch</u>	<u>n/a</u>
Other People Participating	S4(1)(a)	S4(1)(a)	S8(1)	<u>n/a</u>
	S4(1)(a)	S4(1)(a)	8 - Documents affecting the conduct of research	<u>n/a</u>

		S4(1)(a)		
	S4(1)(a)	S4(1)(a)	S8(1)	<u>30/09/2011</u>
	S4(1)(a)	S4(1)(a)	S8(1)	<u>25/10/2013</u>

#### 24. Dual/multiple AEC approval

Is approval by more than one AEC required?

☐ Yes ☒ No

If so, which AEC(s)?

#### 25. Attachments Summary Checklist

Type	Attachment
1. Relevant Standard Operating Procedures (SOPs) Relates to Q4.1.17	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Publications Relates to Q19 and Q4.7.1, Q18	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (as PDFs)
3. Monitoring Record Sheets Relates to Q4.3.1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Other  Please detail:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CVs of Andrew Curran, S4(1)(a) S4(1)(a)

## 26. Declaration

Project Title:	Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex
----------------	---

### Section 1: Declaration by the Primary Applicant

I hereby declare that:

- (i) I and all others involved in this project are familiar with and will comply with the relevant Commonwealth and State or Territory legislation and the requirements of the [Australian Code of Practice for the care and use of animals for scientific purposes, 8<sup>th</sup> Edition 2013](#) (The Code)
- (ii) To the best of my knowledge this proposal conforms to the Code (8th Edition 2013) and the South Australian *Animal Welfare Act 1985*.
- (iii) I have read [Section 2 of the Code](#) which sets down the responsibilities of investigators. I accept responsibility for the conduct of all procedures detailed in this application and for the supervision of all personnel delegated to perform any such procedures.
- (iv) I agree to comply with procedures described and any conditions imposed by the Animal Ethics Committee.
- (v) Sufficient and adequate resources will be available to undertake the proposed study.

Primary Applicant's Name	Primary Applicant's Signature	Date
Andrew Curran	S6(1)	9 March 2021



## Section 2: Other Applicant's Declaration

I hereby declare that:


- (i) I am familiar with and will comply with the relevant Commonwealth and State or Territory legislation and the requirements of the Australian Code of Practice for the care and use of animals for scientific purposes, 8<sup>th</sup> Edition 2013 (The Code) and the South Australian *Animal Welfare Act 1985* and its regulations.
- (ii) I have read the application and I accept the responsibilities detailed therein to the extent of my involvement in this project.

Other Applicant's Name	Other Applicant's Signature	Date
S4(1)(a)	S6(1)	9 March 2021
S4(1)(a)	S6(1)	9 March 2021

### Section 3: Declaration by the Institutions Nominated Authority (not the Primary Applicant) i.e. Supervisor/Head of Division/Department /Institute

I hereby declare that:

- (i) I am satisfied that the Primary Applicant has the appropriate qualifications and experience to carry out the work with minimum distress to the animals.
- (ii) I believe this work meets the requirements of the Australian Code of Practice for the care and use of animals for scientific purposes, 8<sup>th</sup> Edition 2013 (The Code) and the South Australian *Animal Welfare Act 1985* and its regulations.
- (iii) I have read the application and I am satisfied that this work is of sufficient scientific merit for my Department to be involved in it and sufficient and adequate resources will be available to undertake the proposed study.

Nominated Authority	Signature	Date
Lloyd Damp	S6(1) 	9 March 2021

AEC Use Only		
Date Received:	Action Taken:	Signature of Chair, AEC
	Date of AEC meeting for consideration:	

## Attachment: Relevant Standard Operating Procedures (Question 4.1.17)

Attach as pdf pages or if text, by copy-paste into field below

## Attachment: Relevant Publications (Question 19 and Q4.7.1, Q18)

Attach as pdf pages or if text, by copy-paste into field below

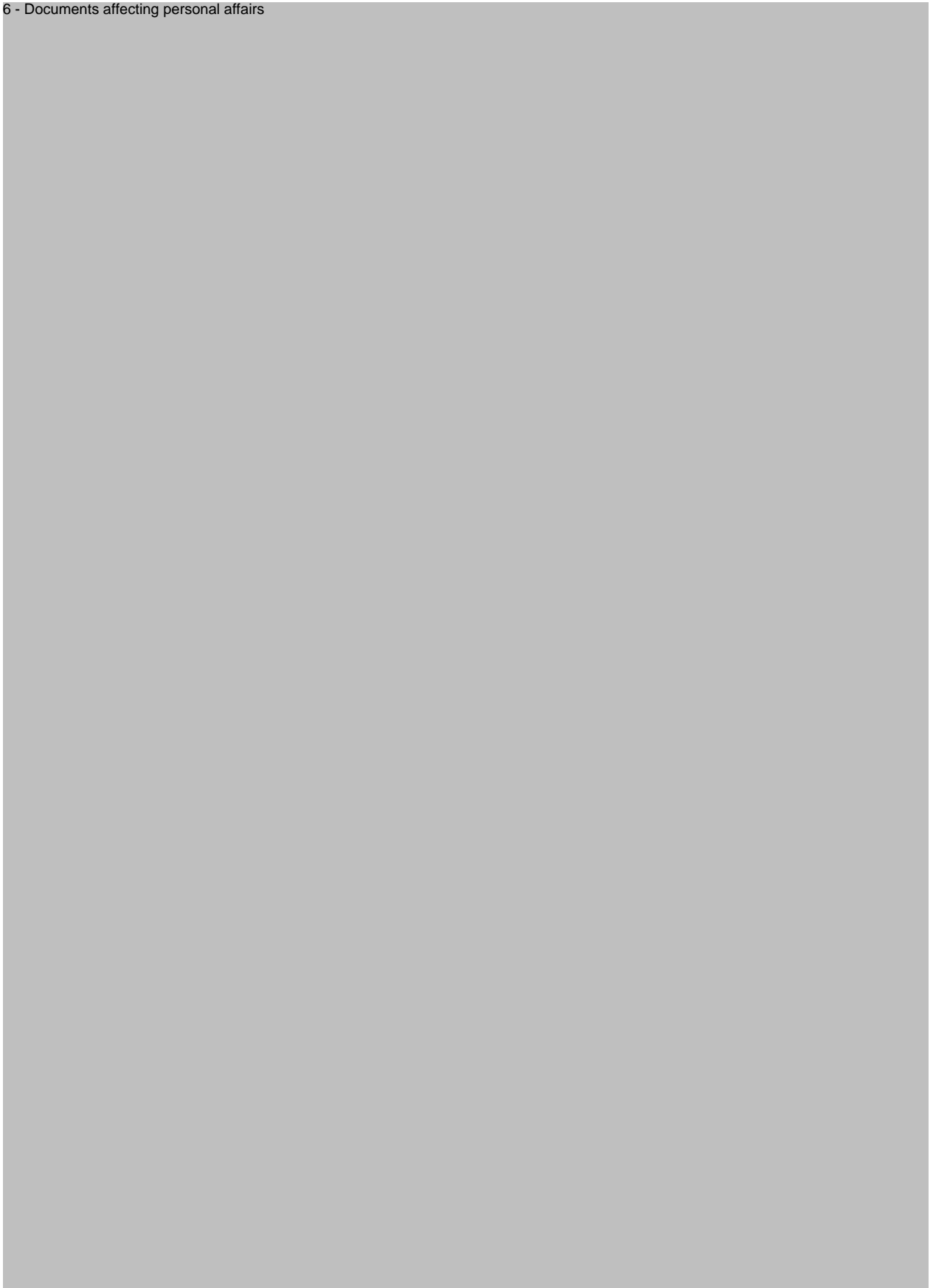
## Monitoring Record Sheets (Question 4.3.1)

Attach as pdf pages or if text, by copy-paste into field below

## Attachment: Other

Attach as pdf pages or if text, by copy-paste into field below

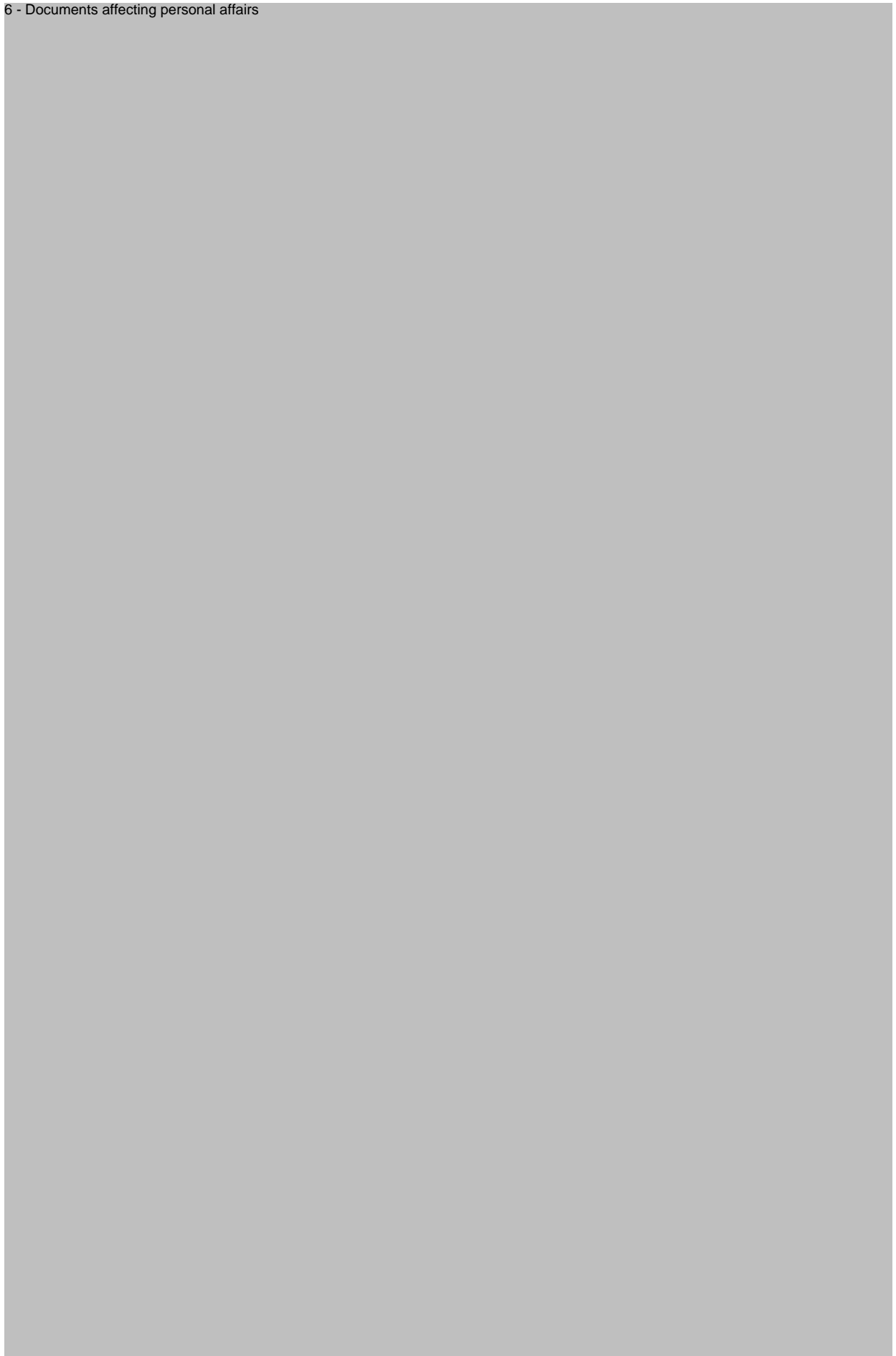


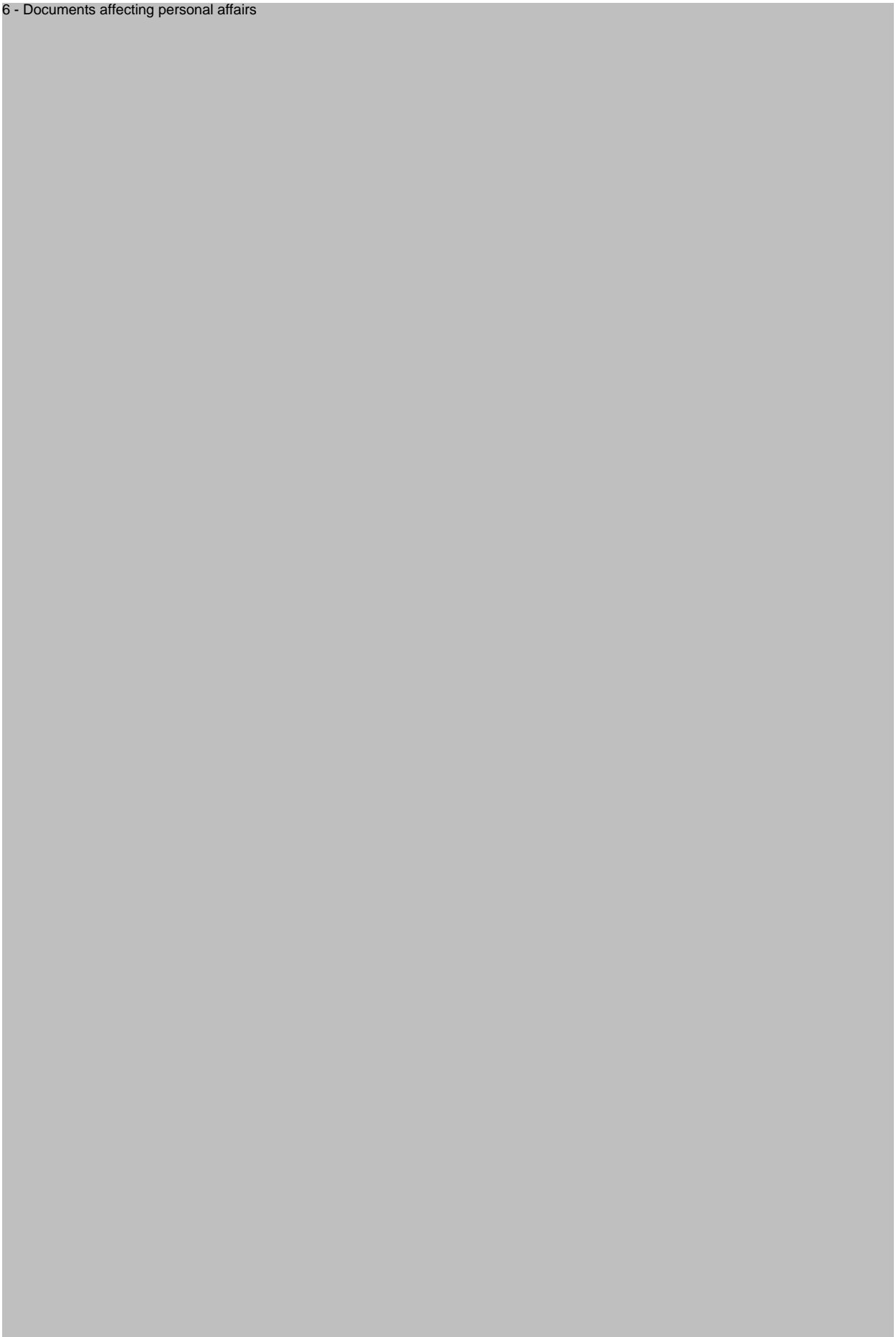




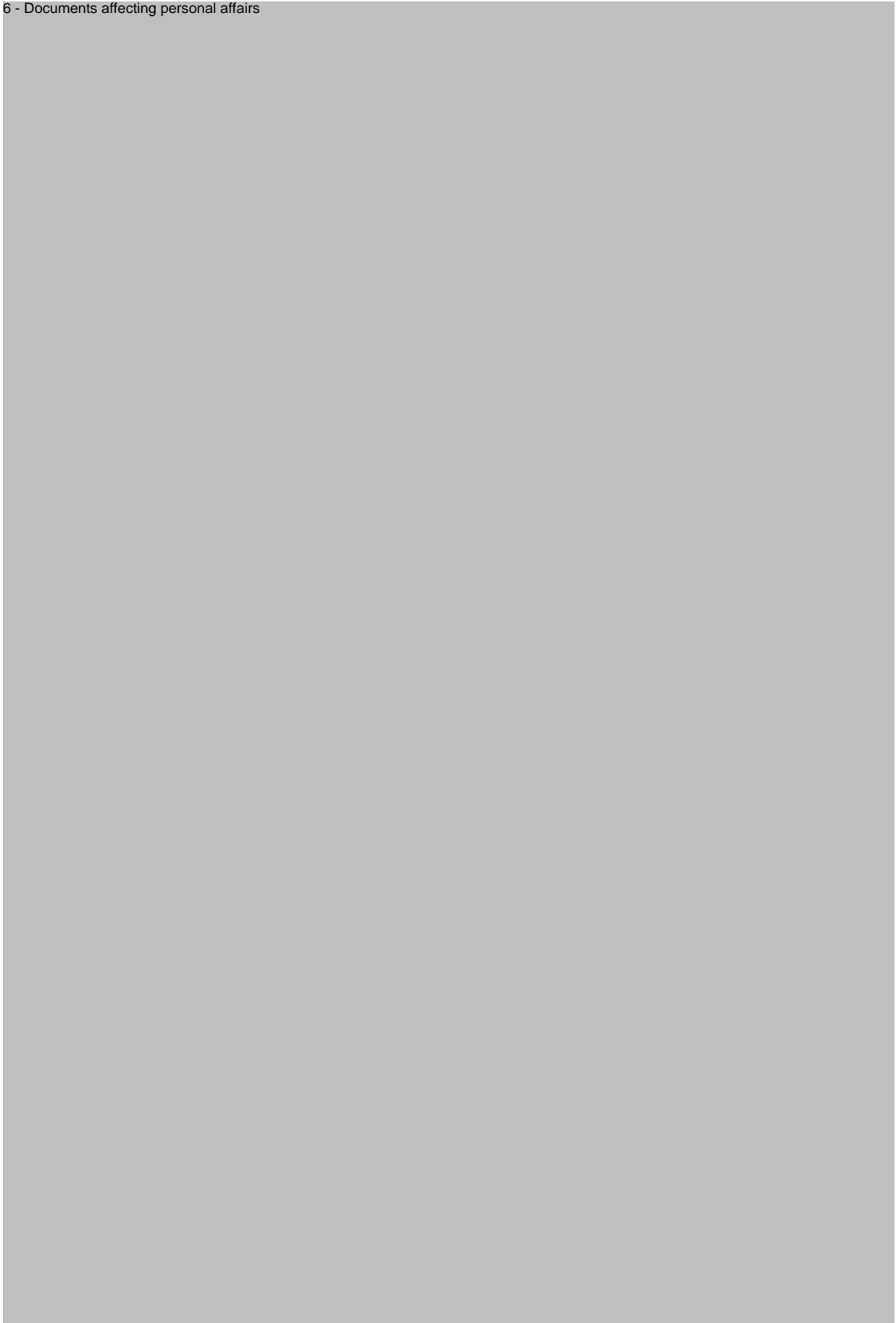


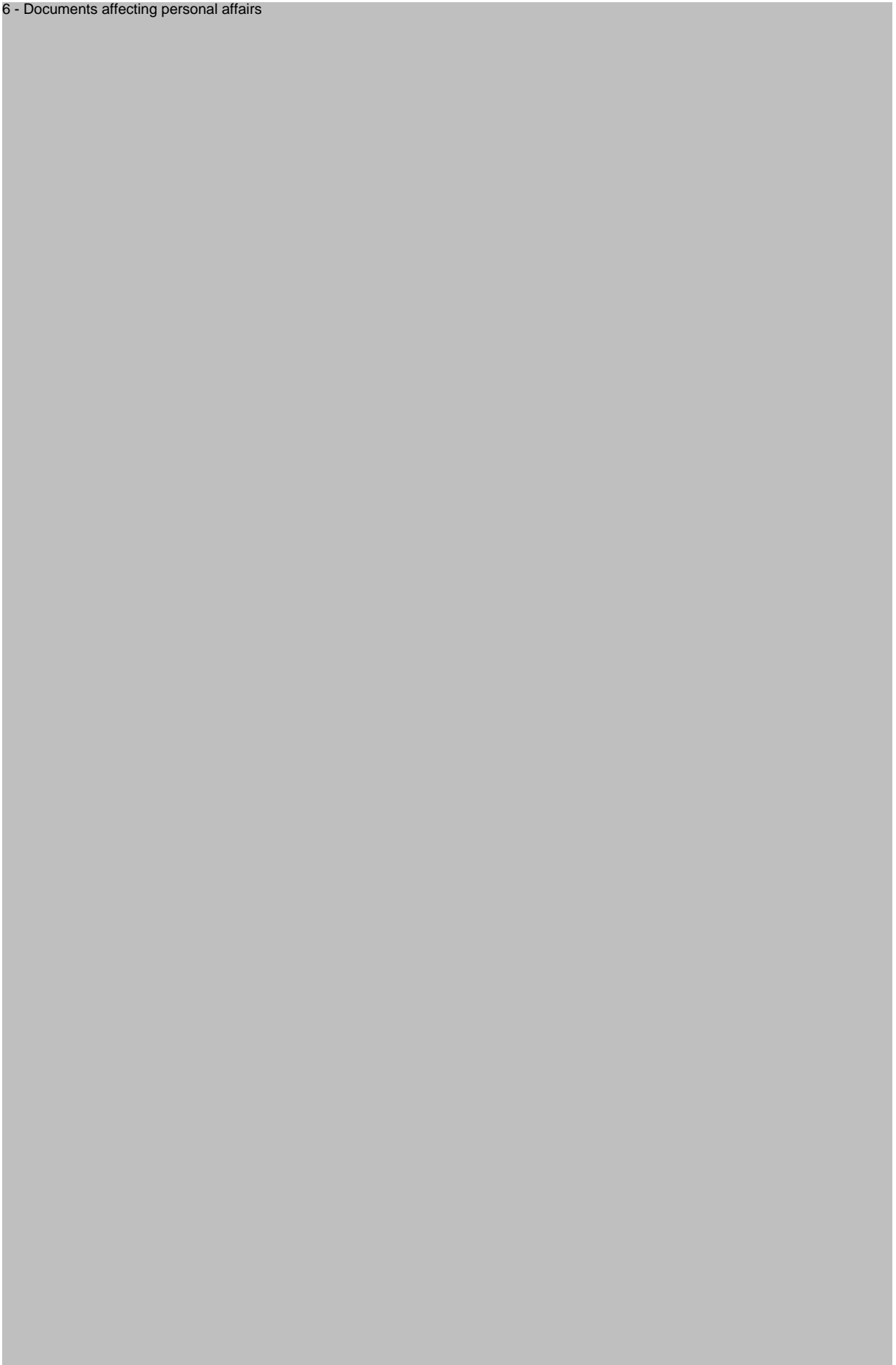






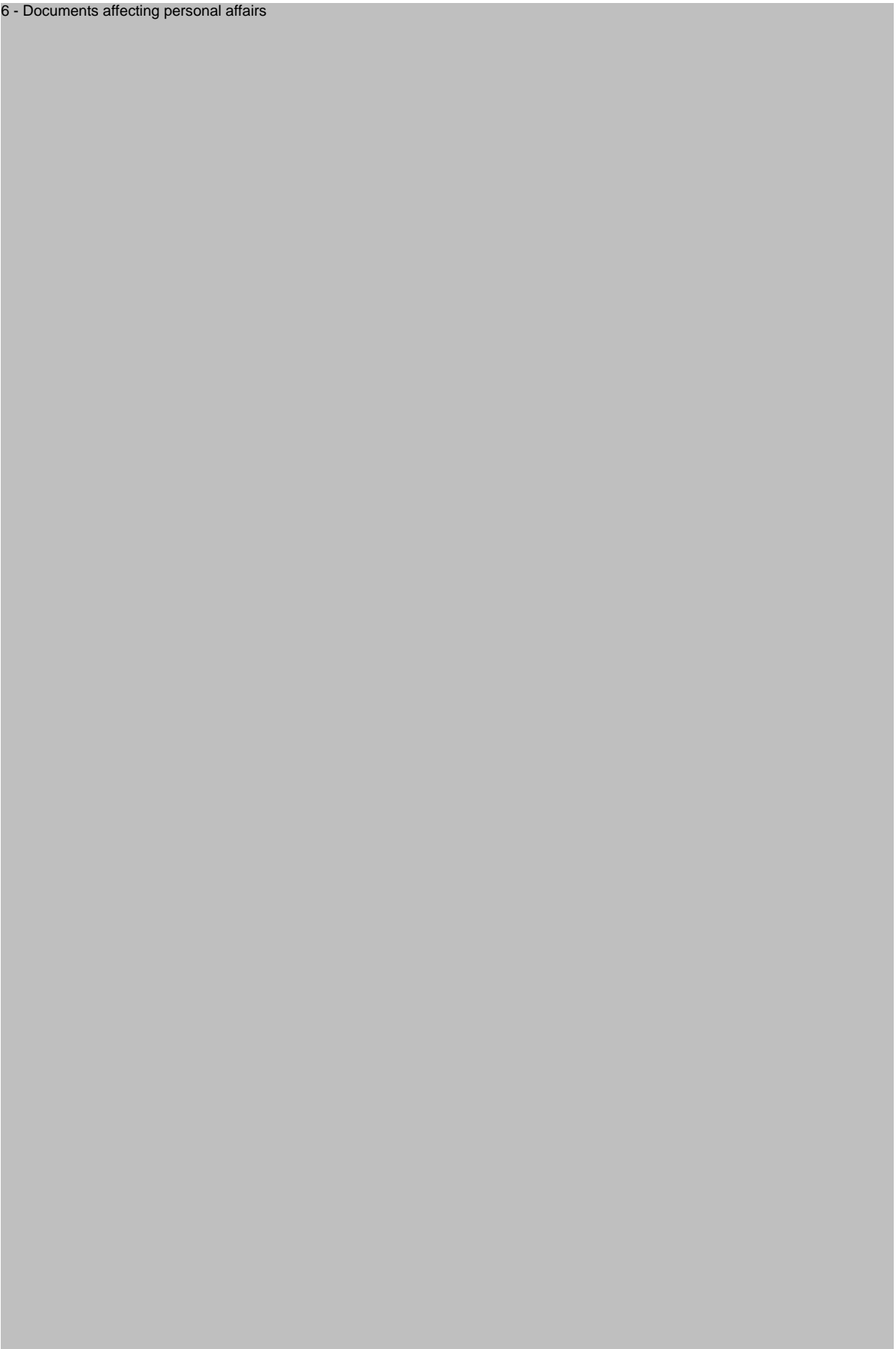








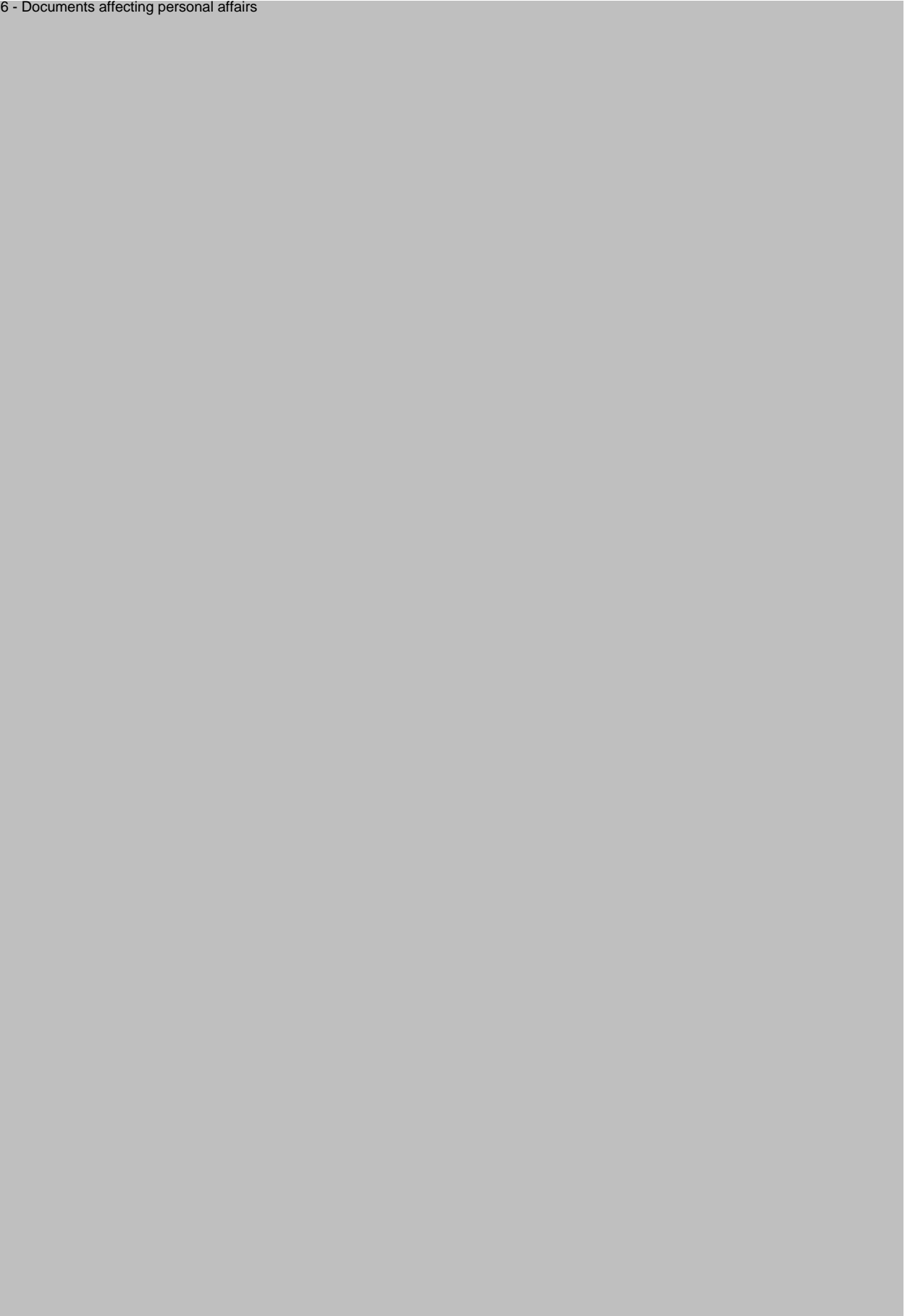


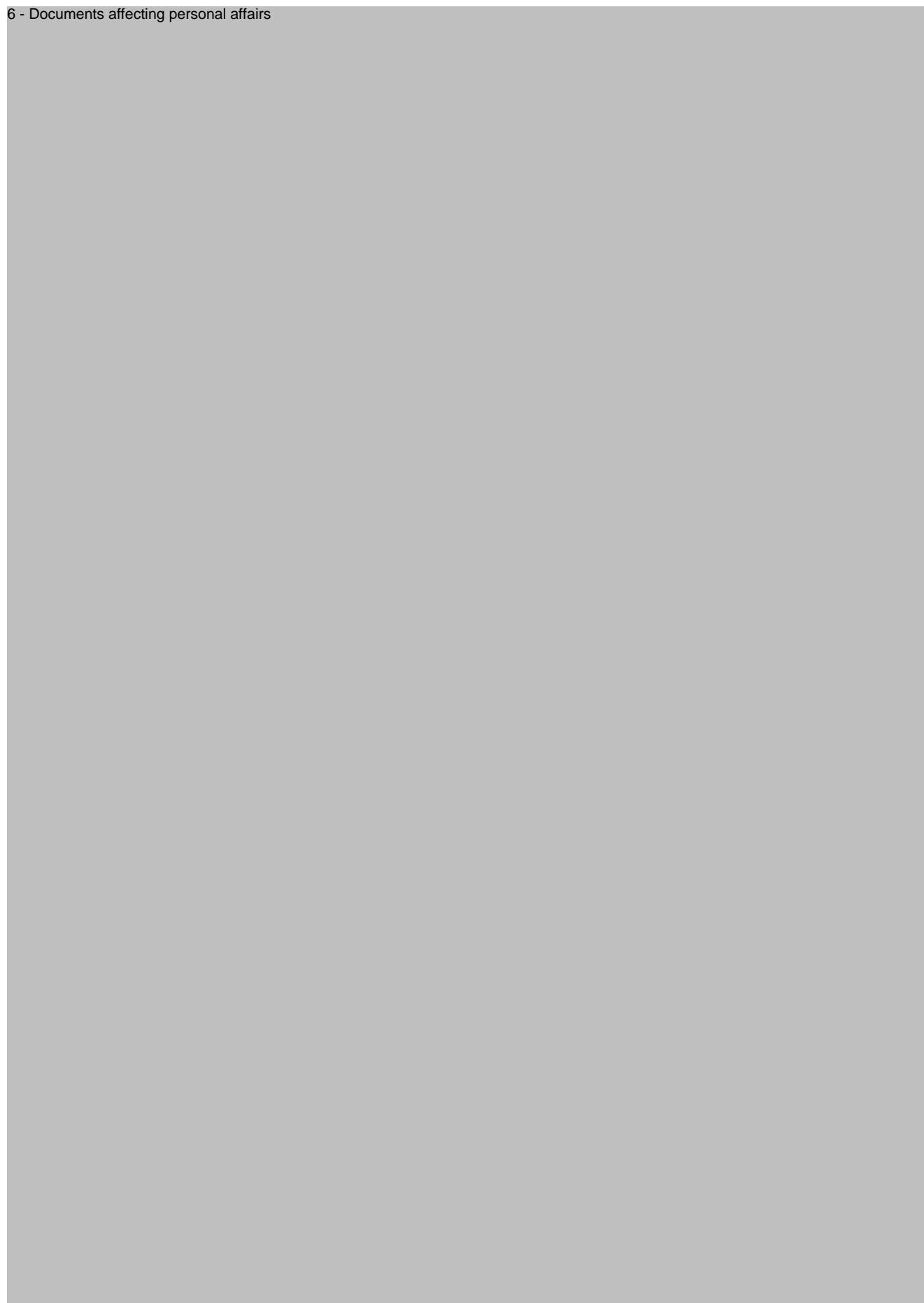


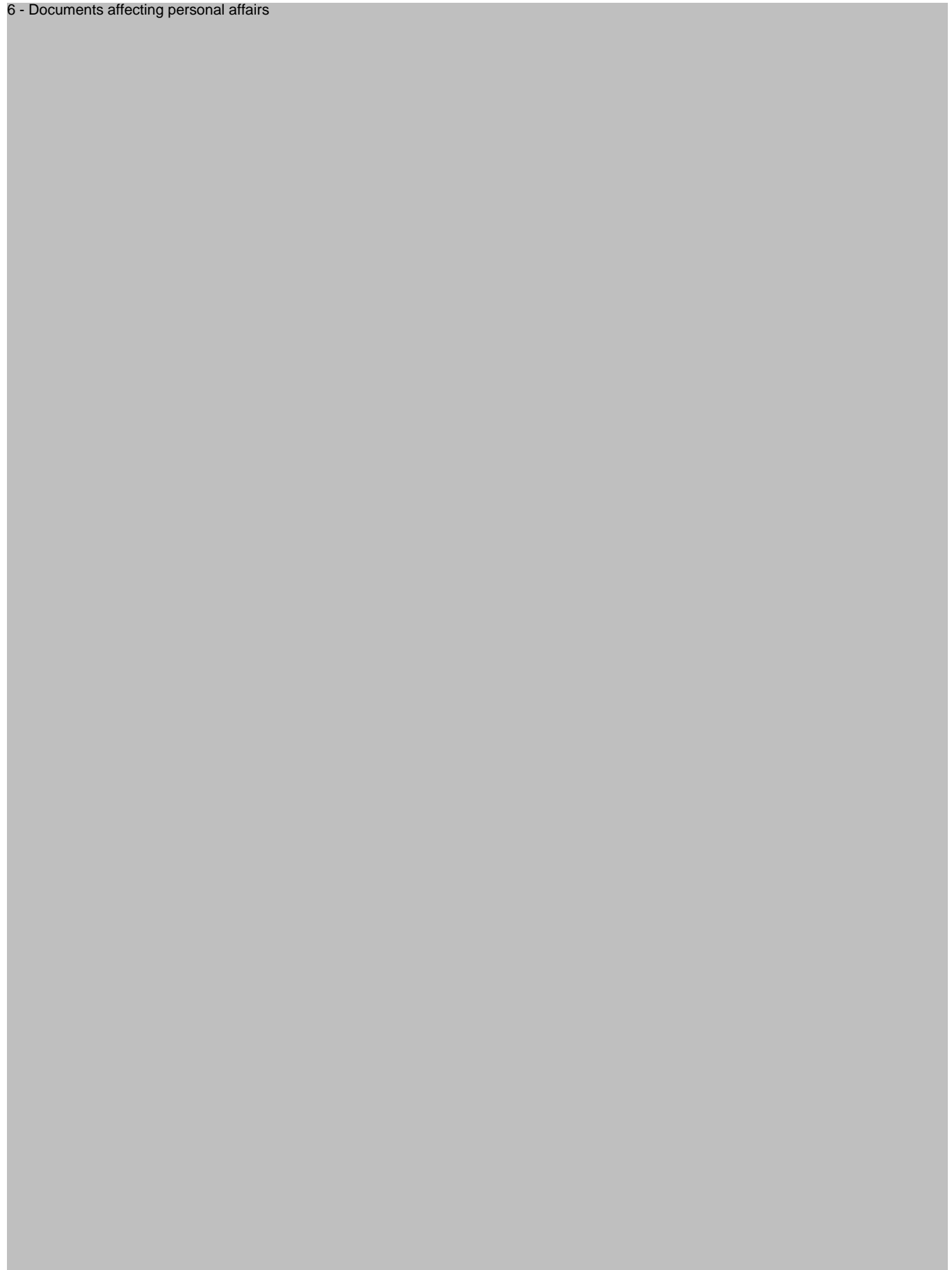






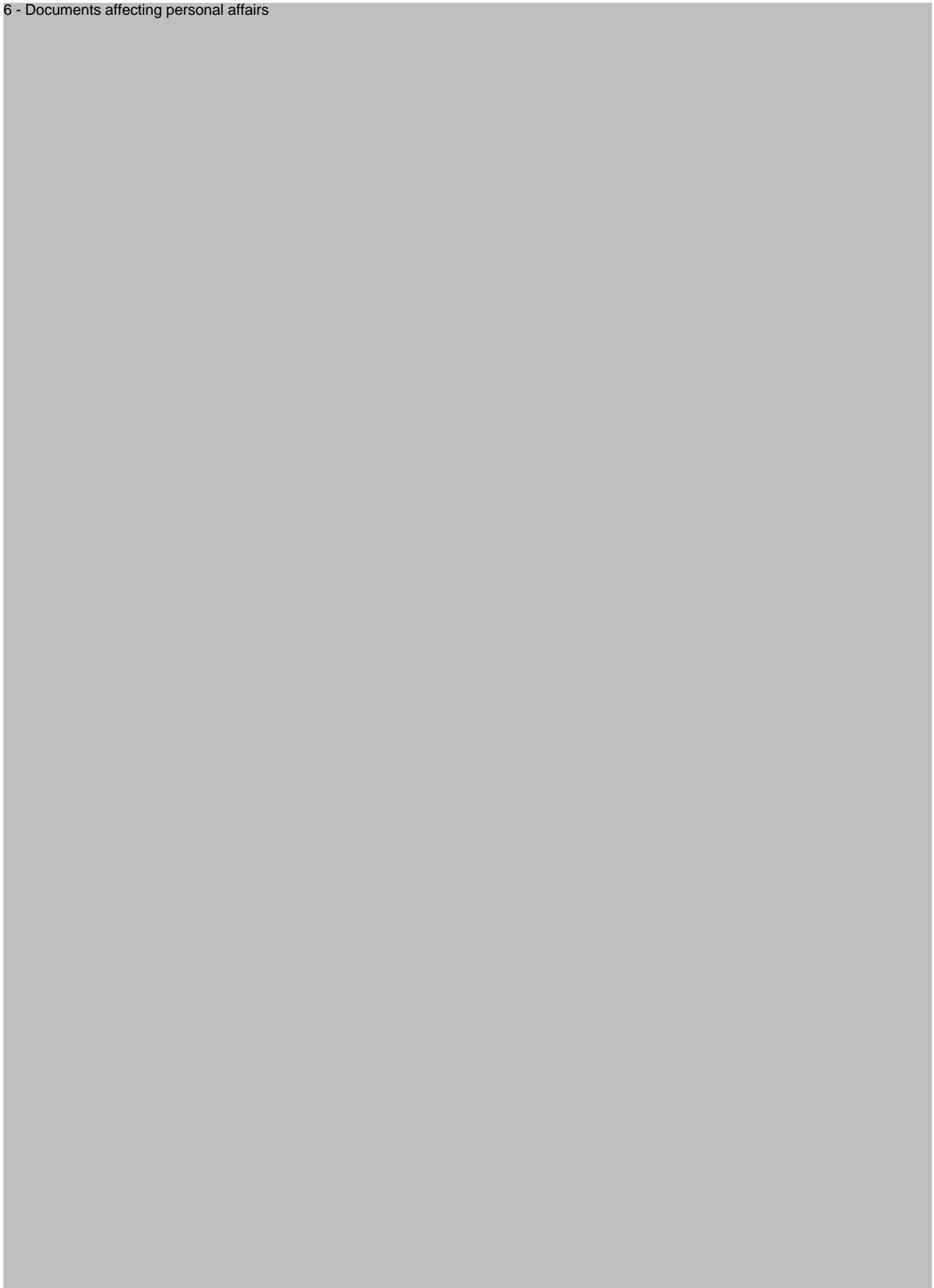




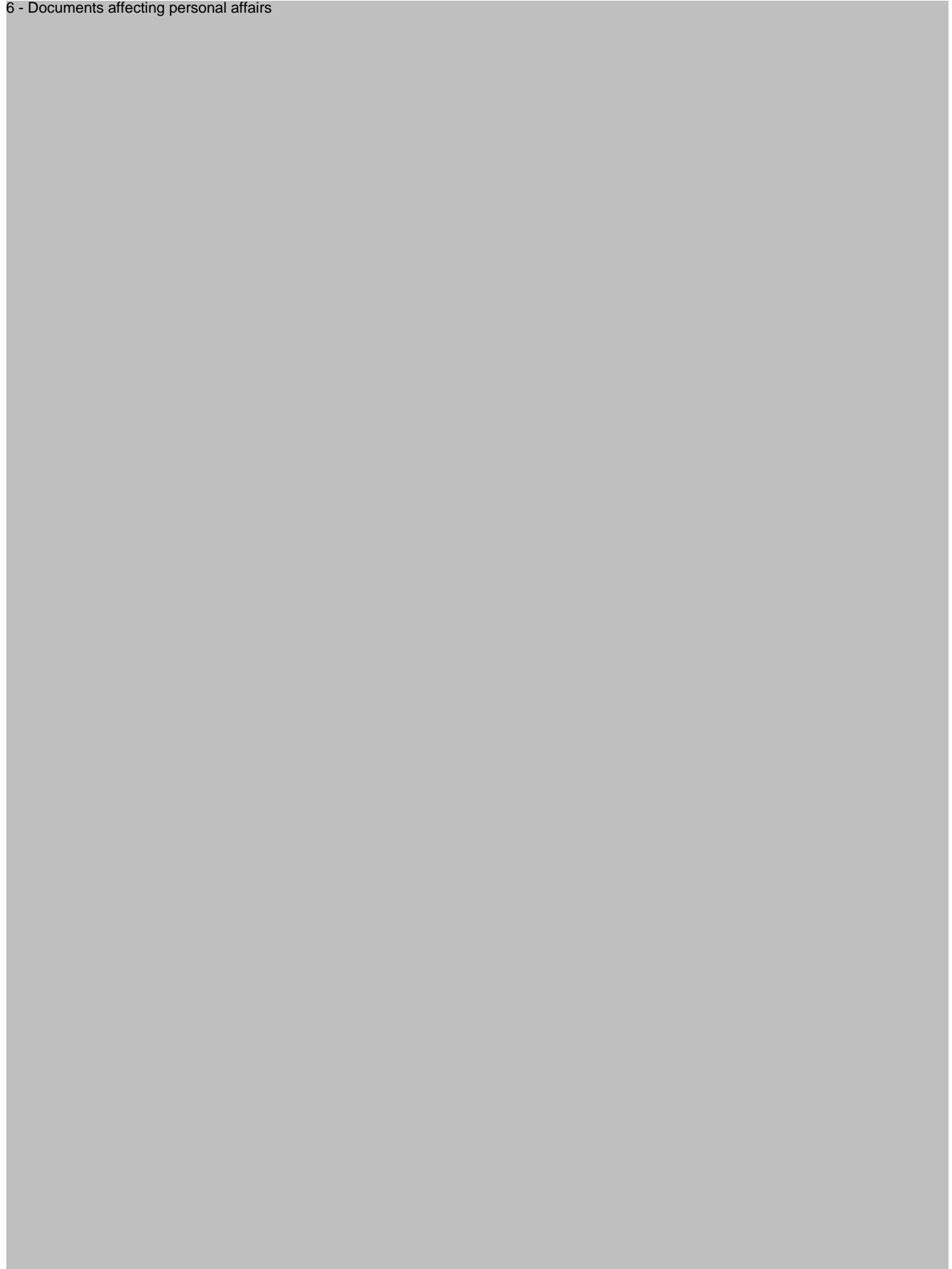


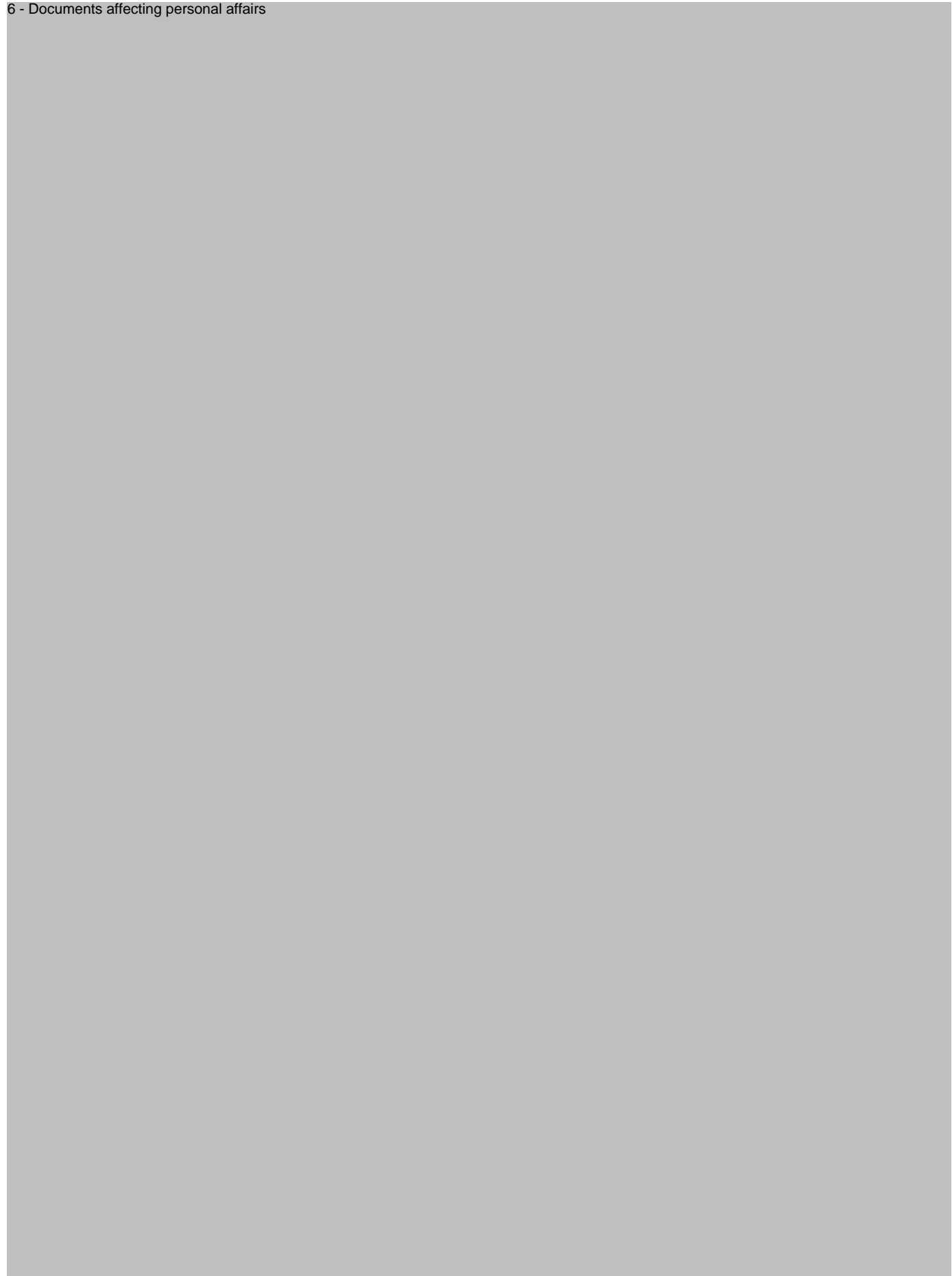








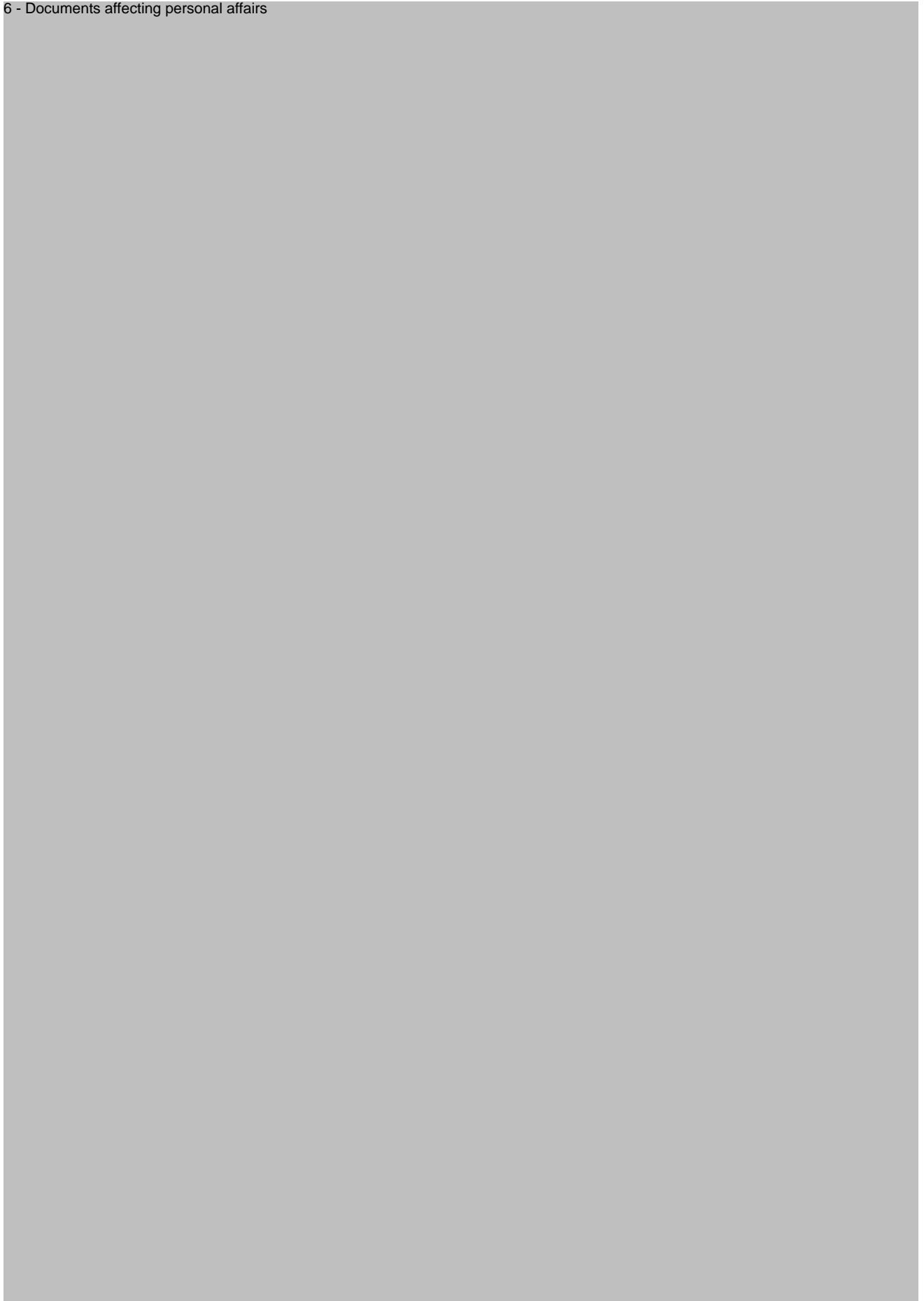






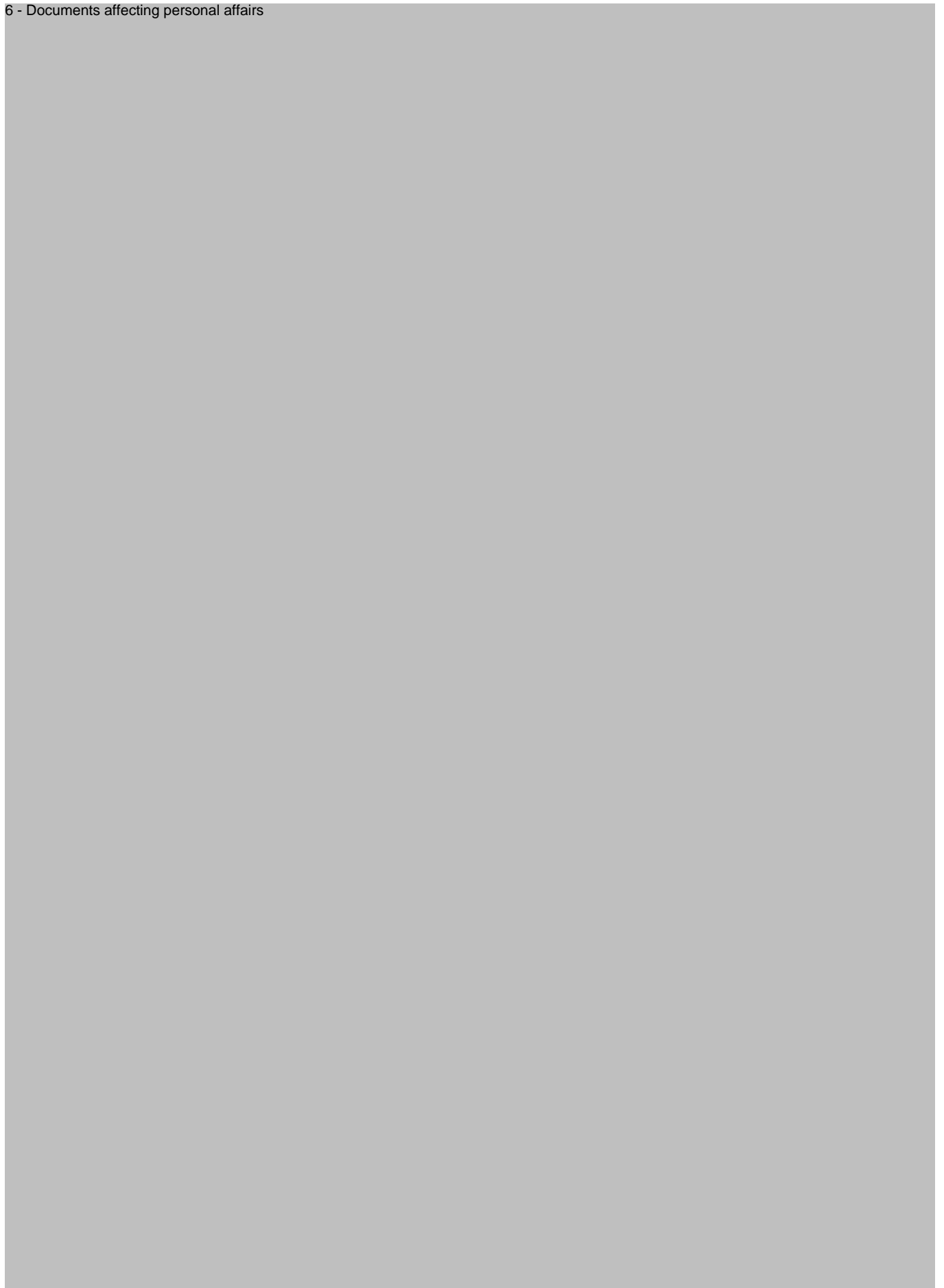


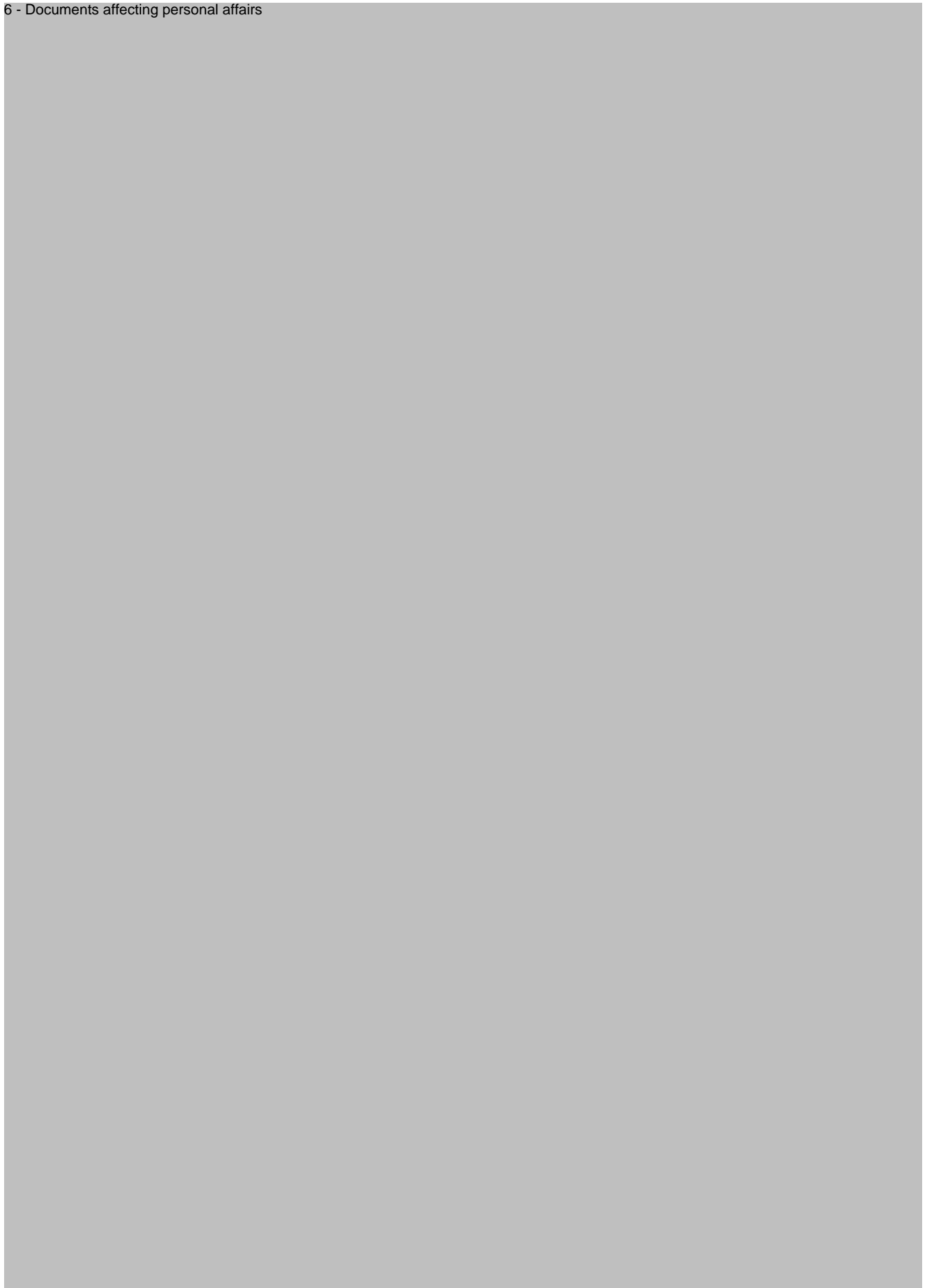


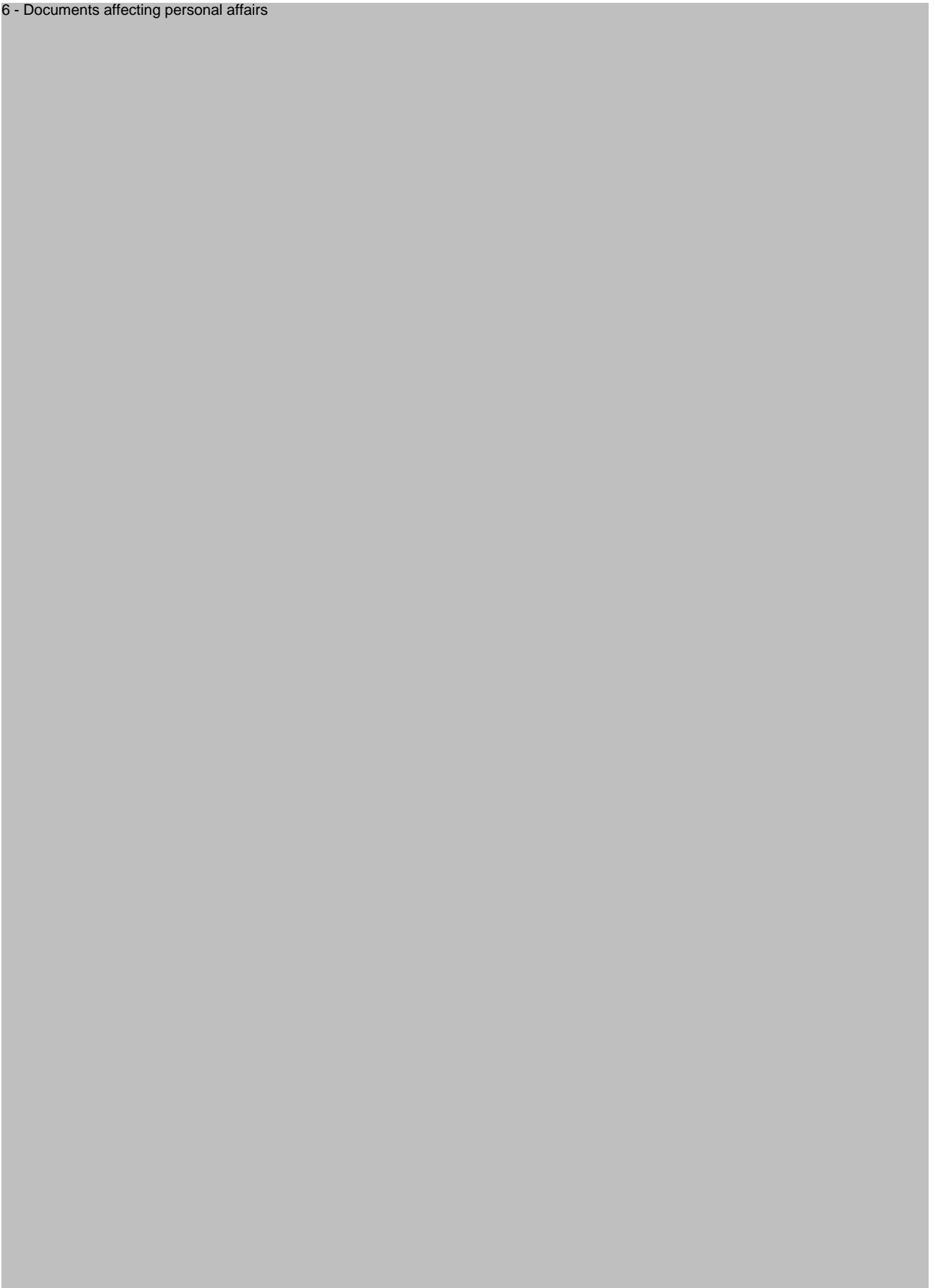


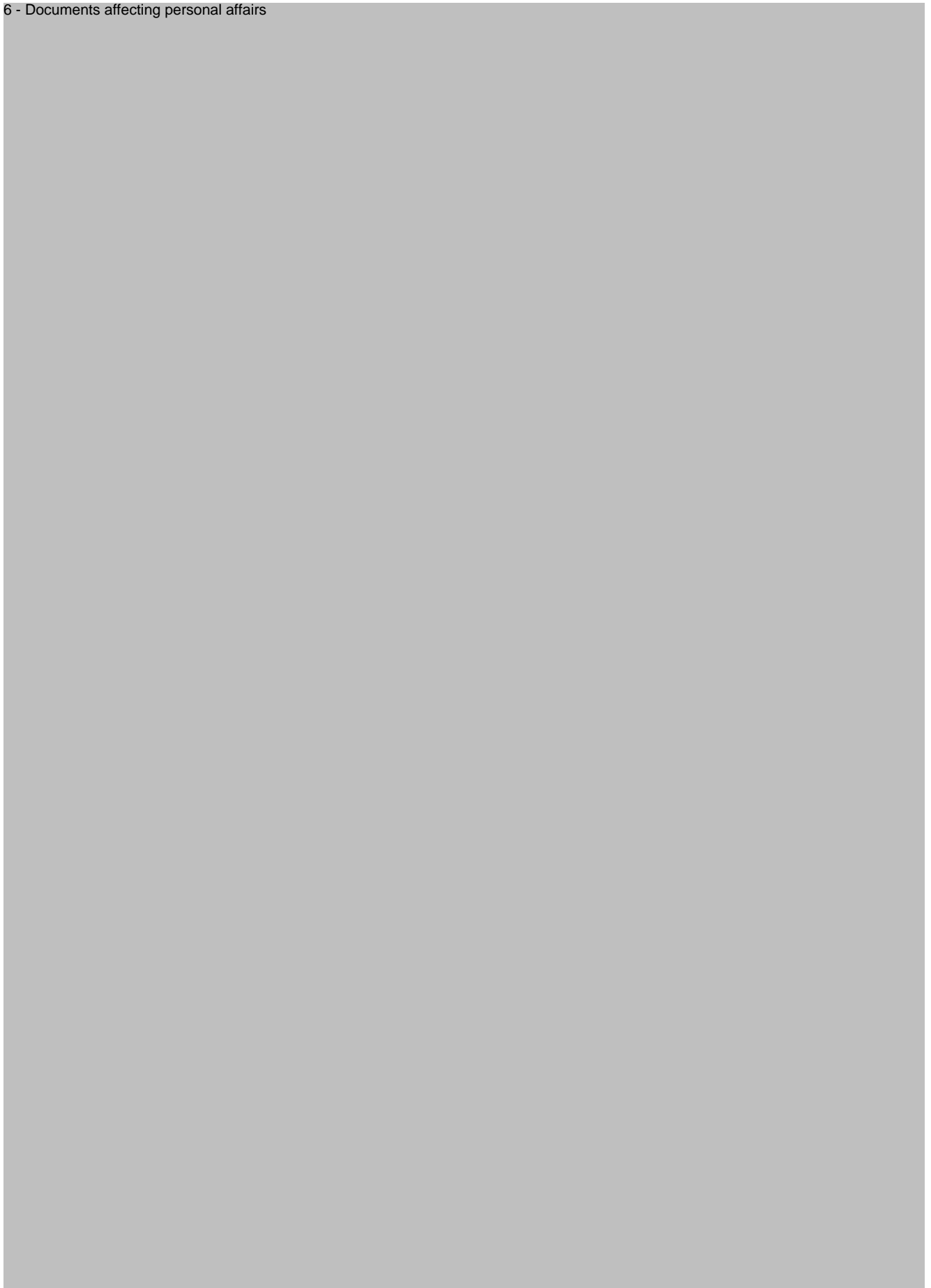




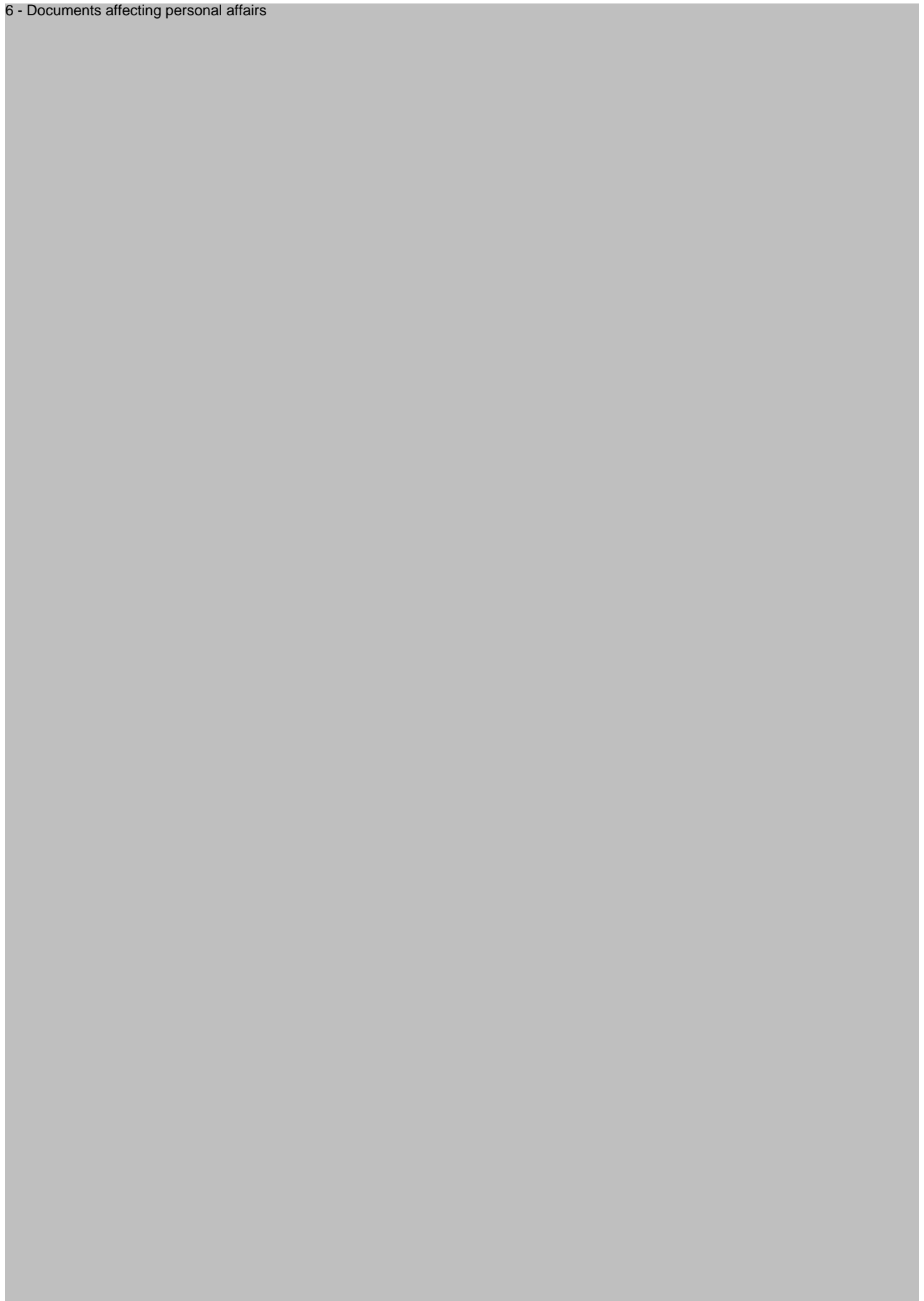


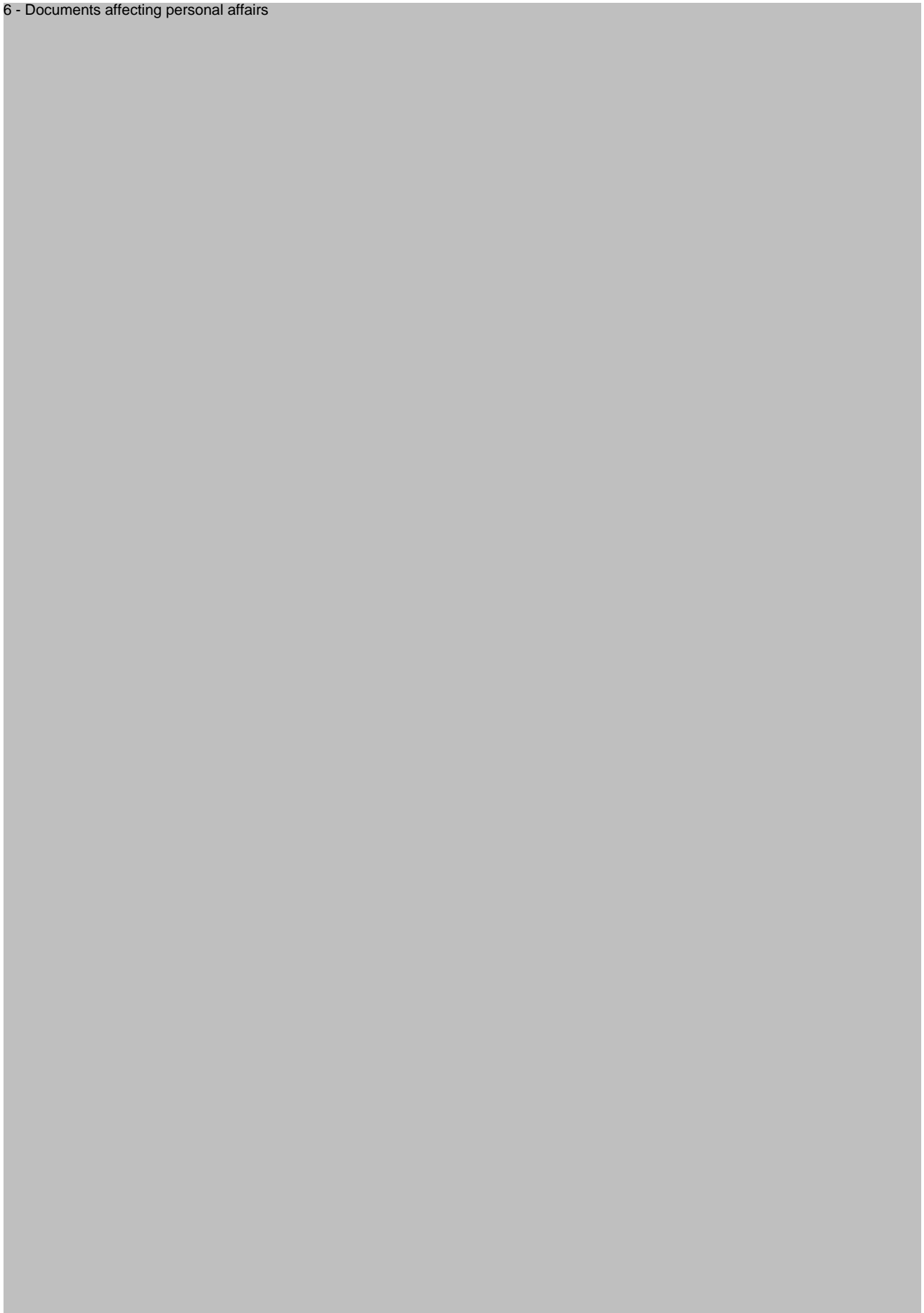






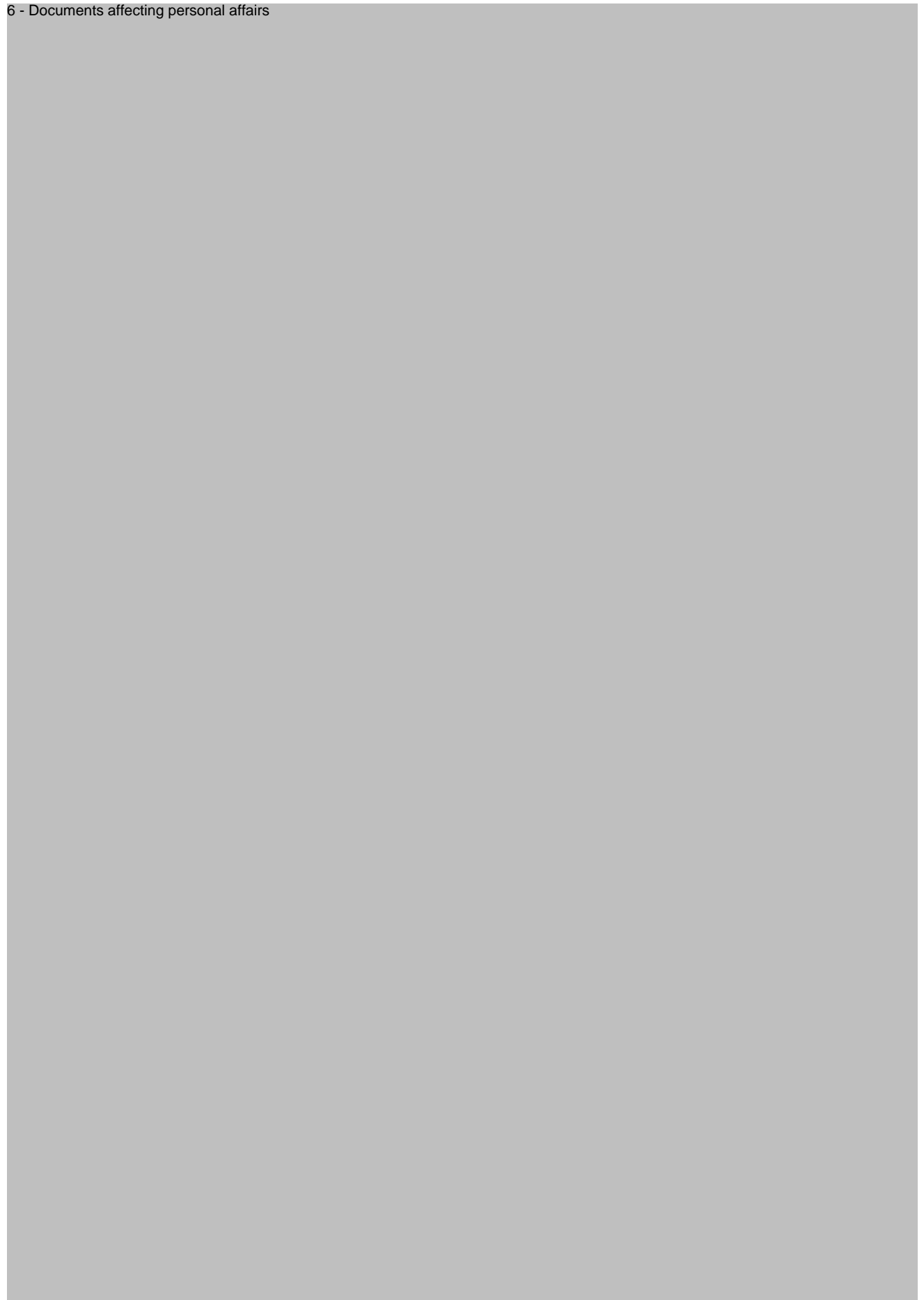




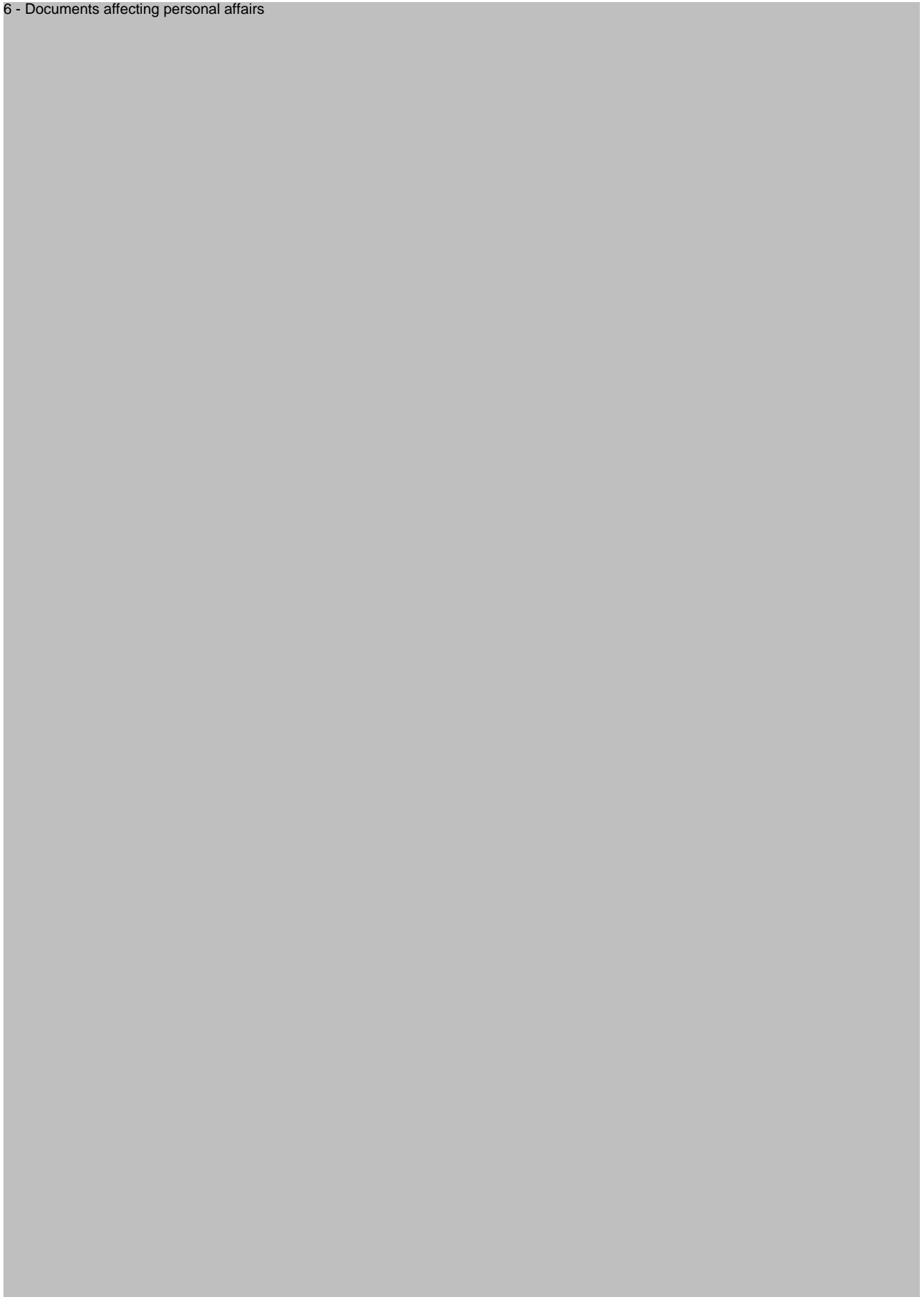






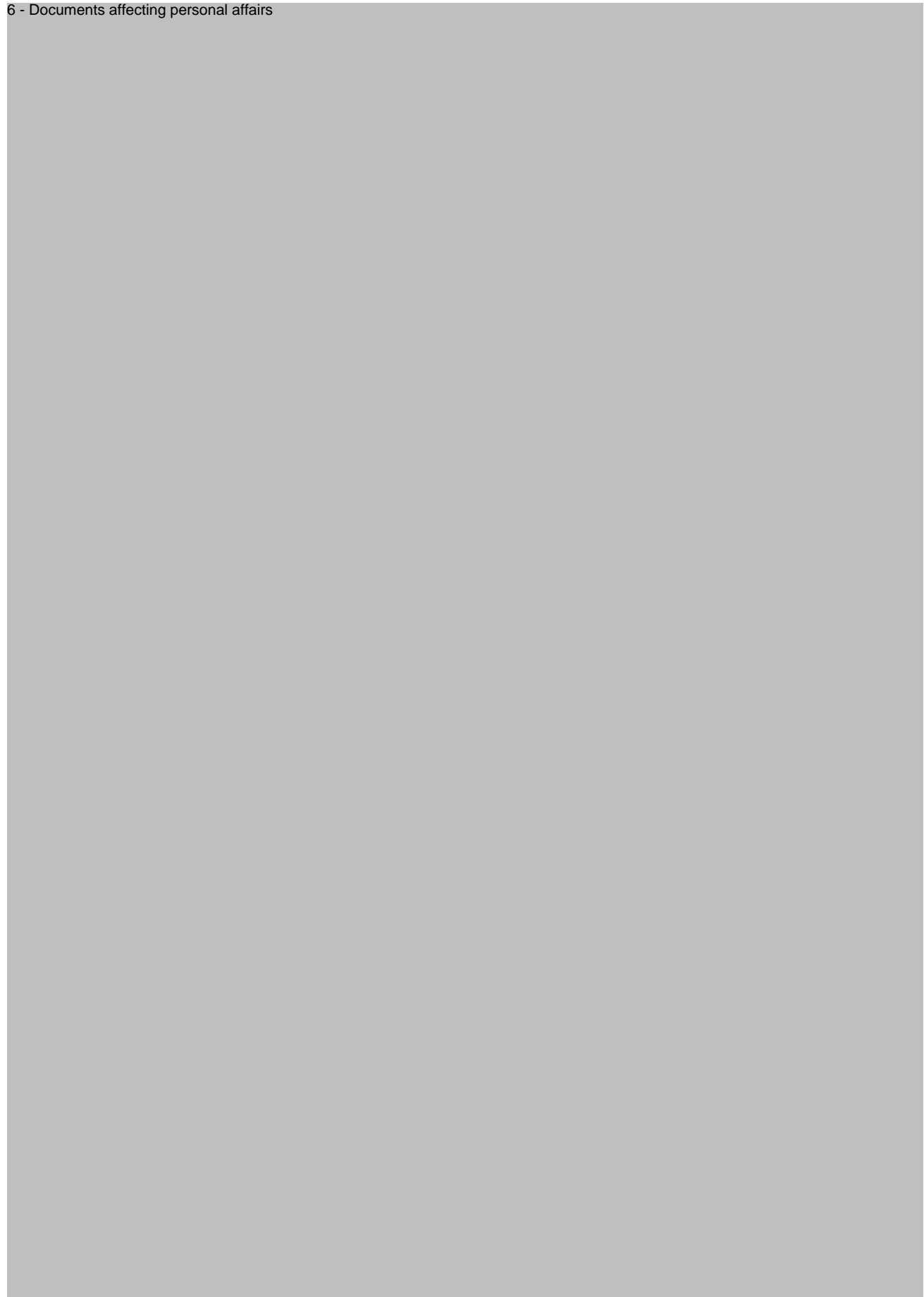


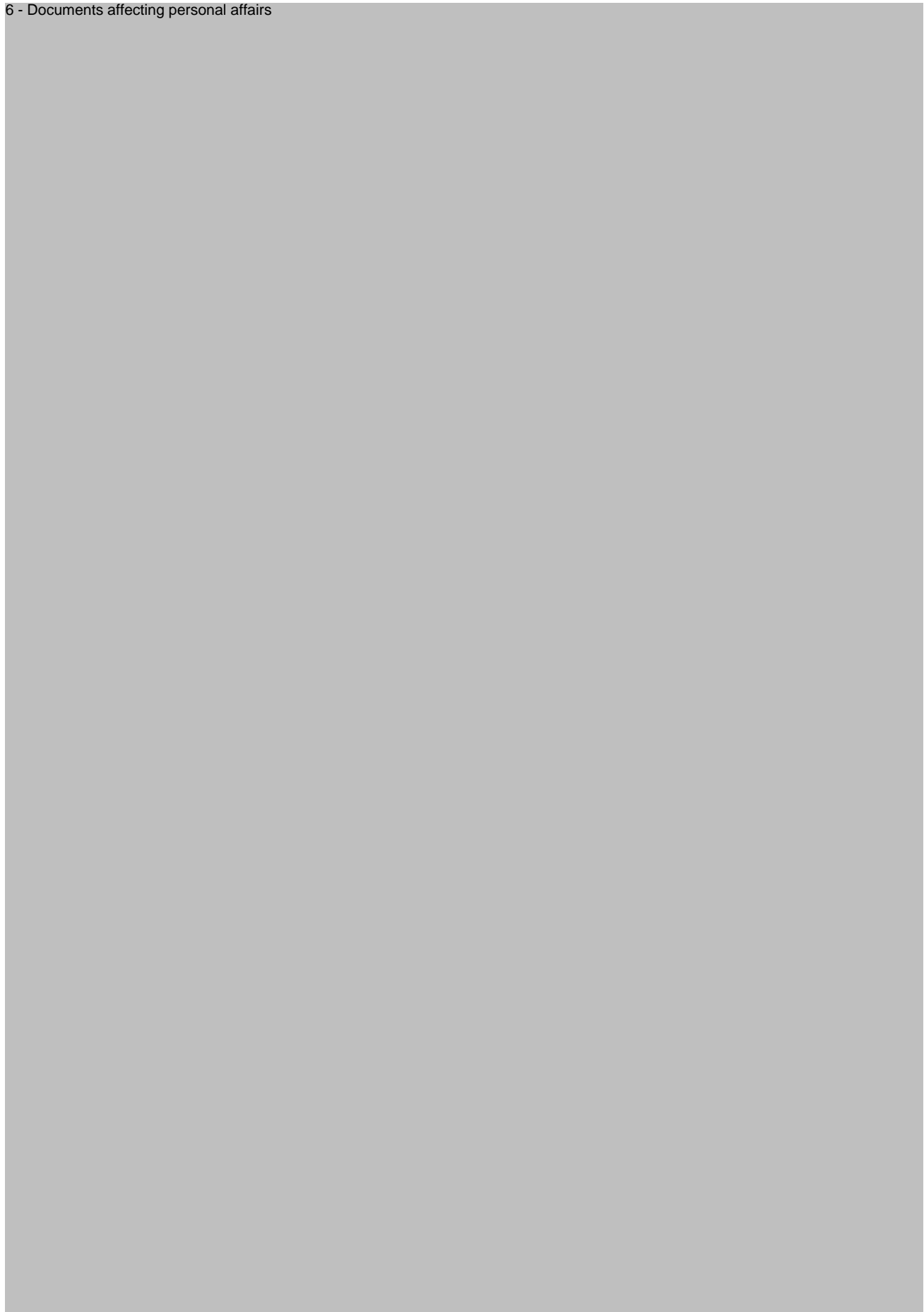






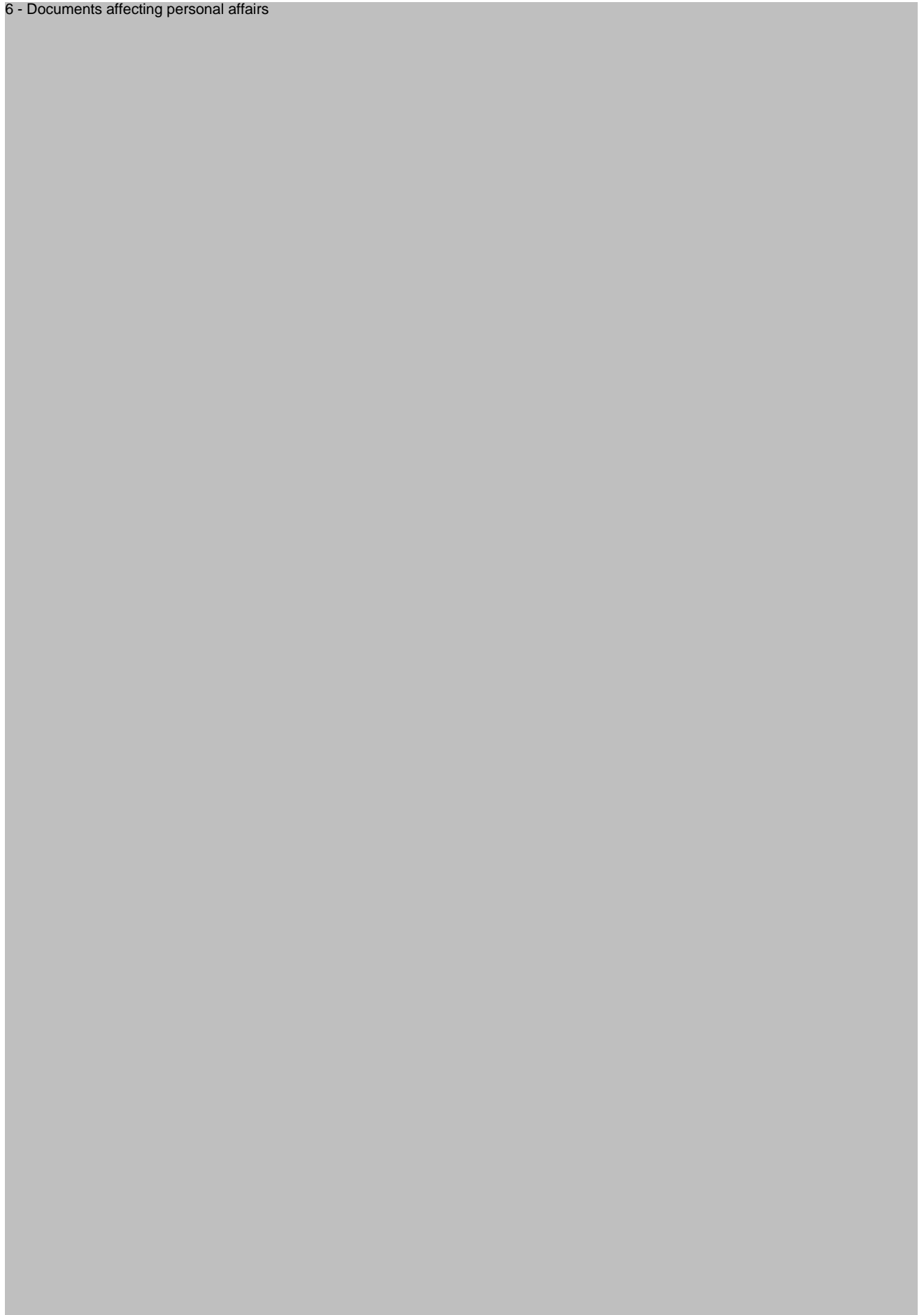




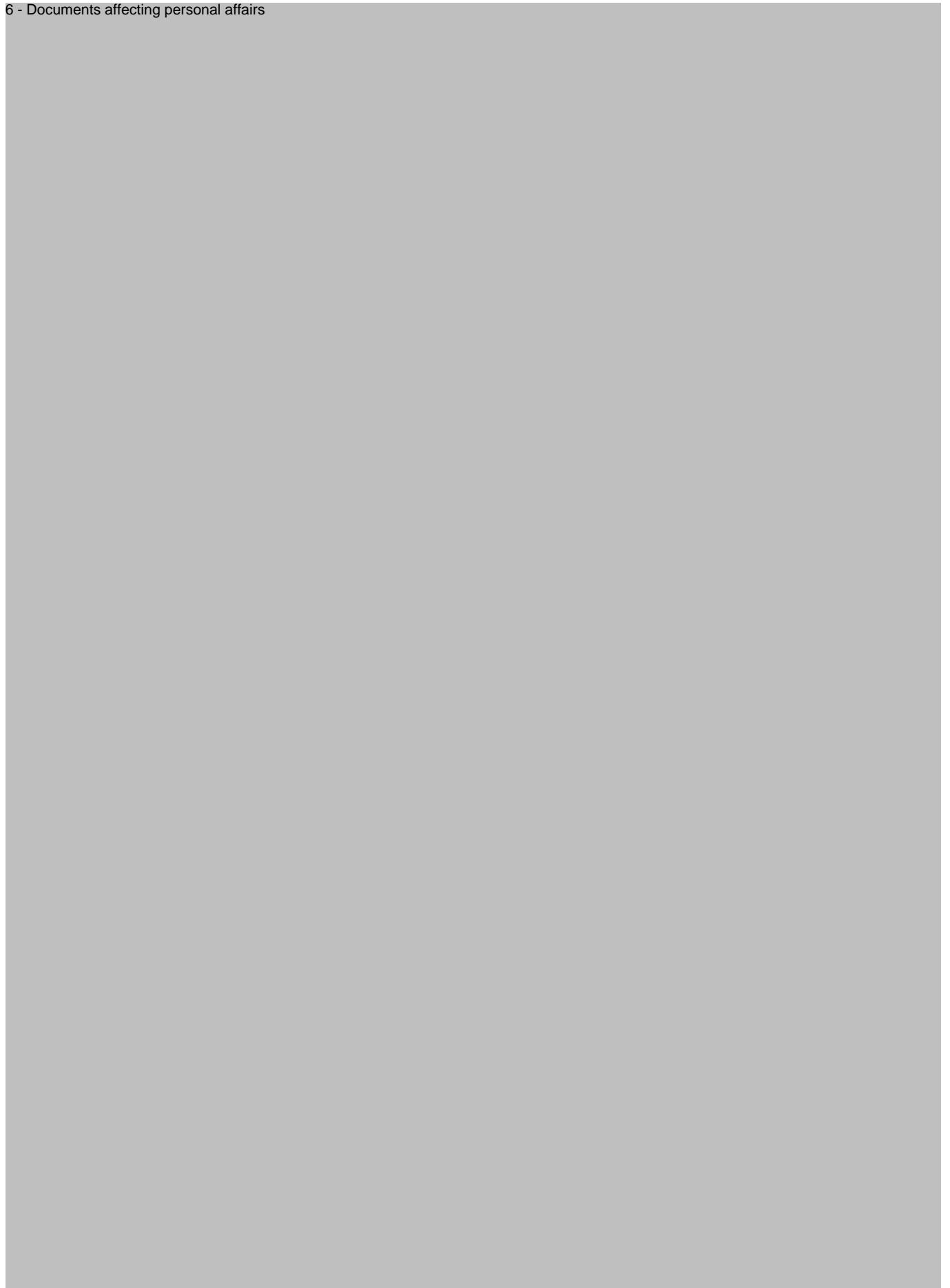


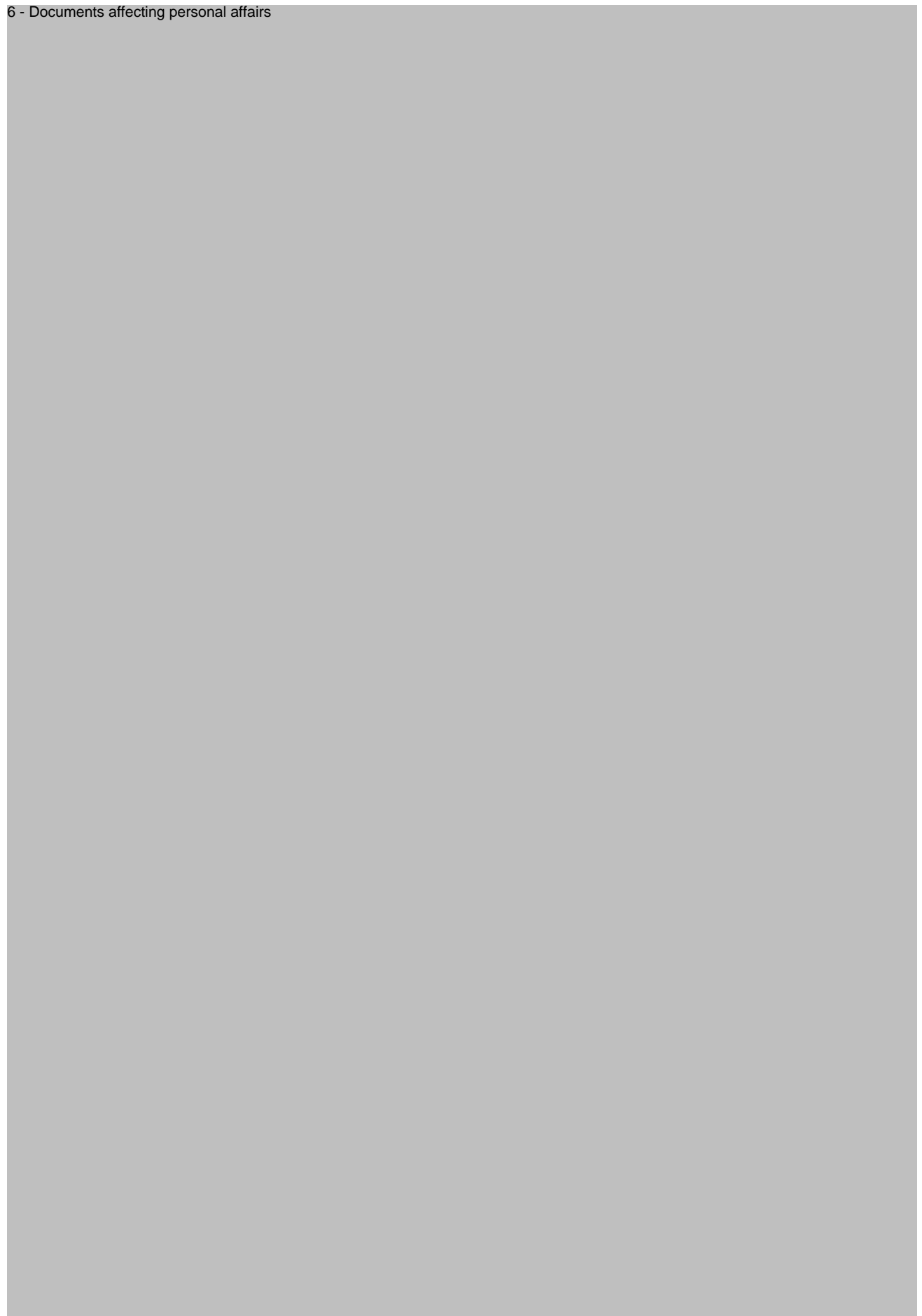


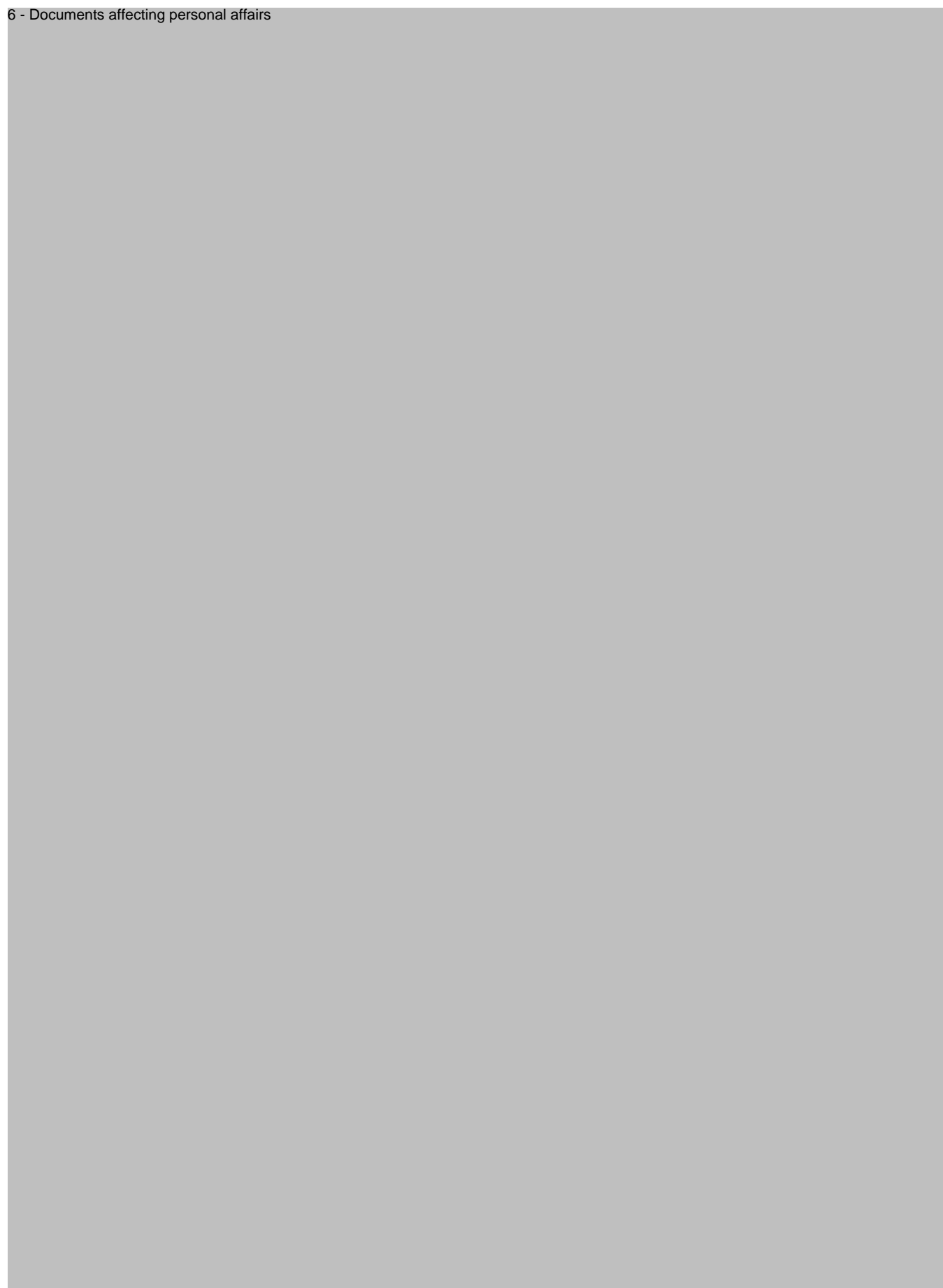


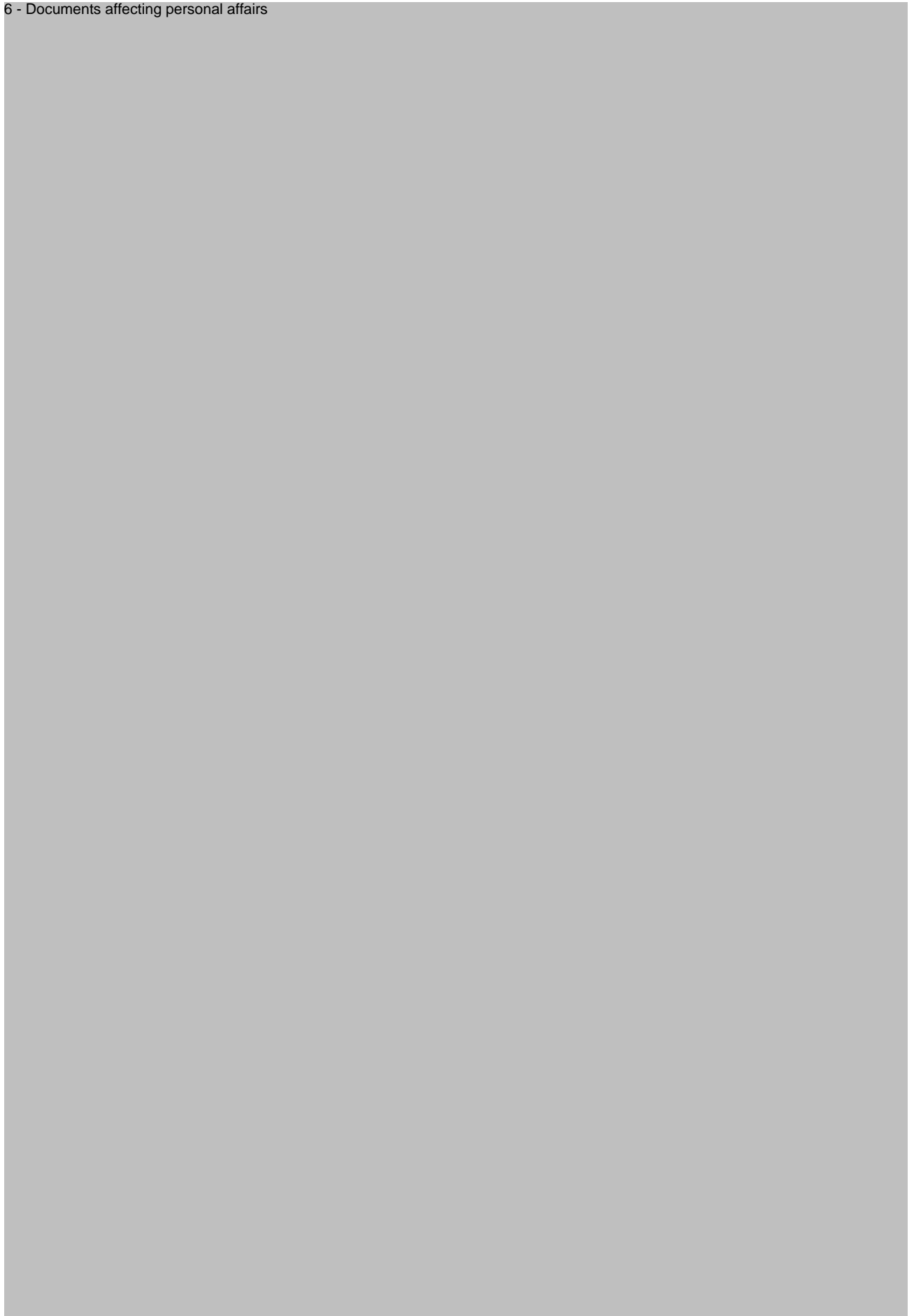






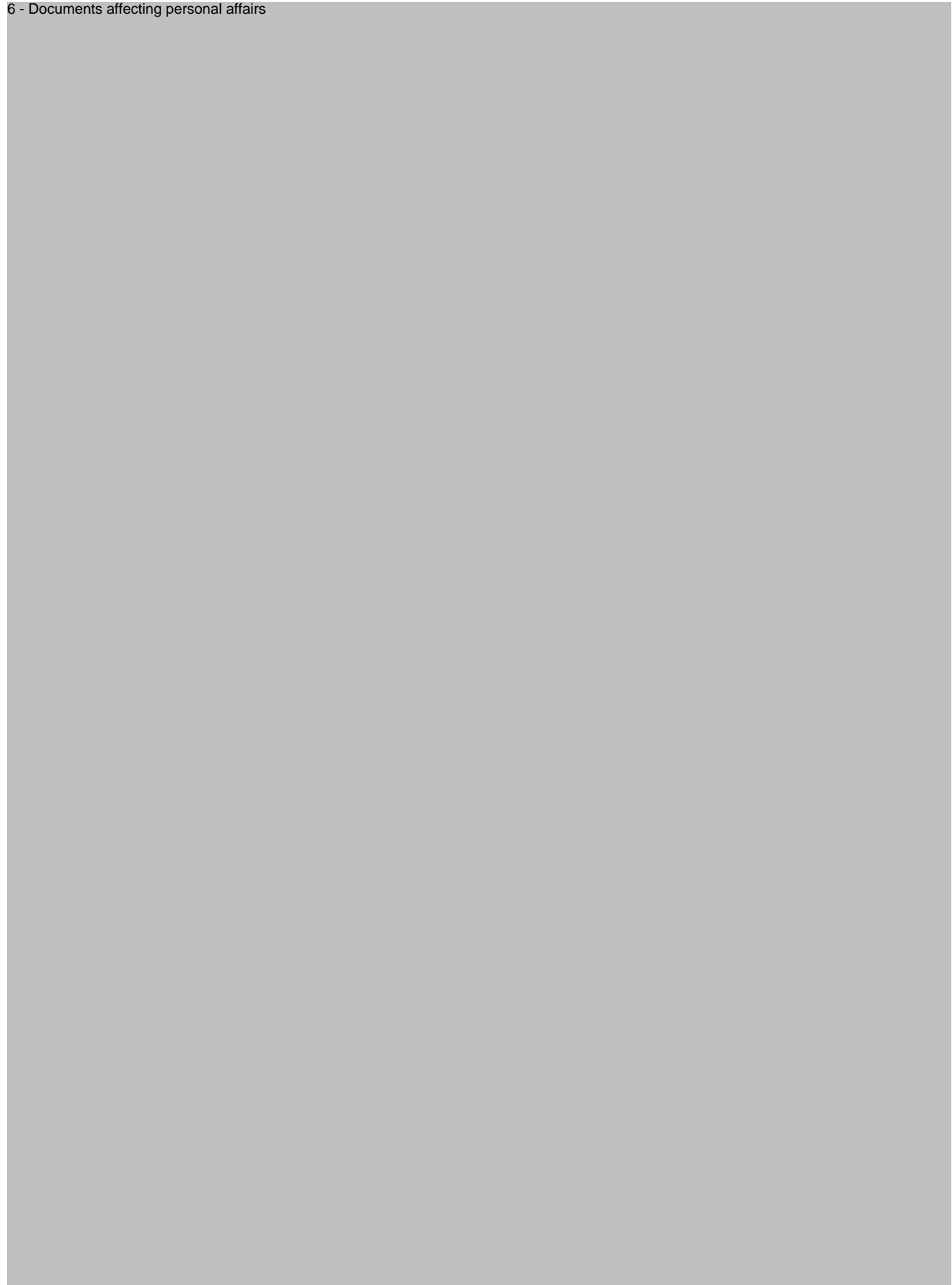






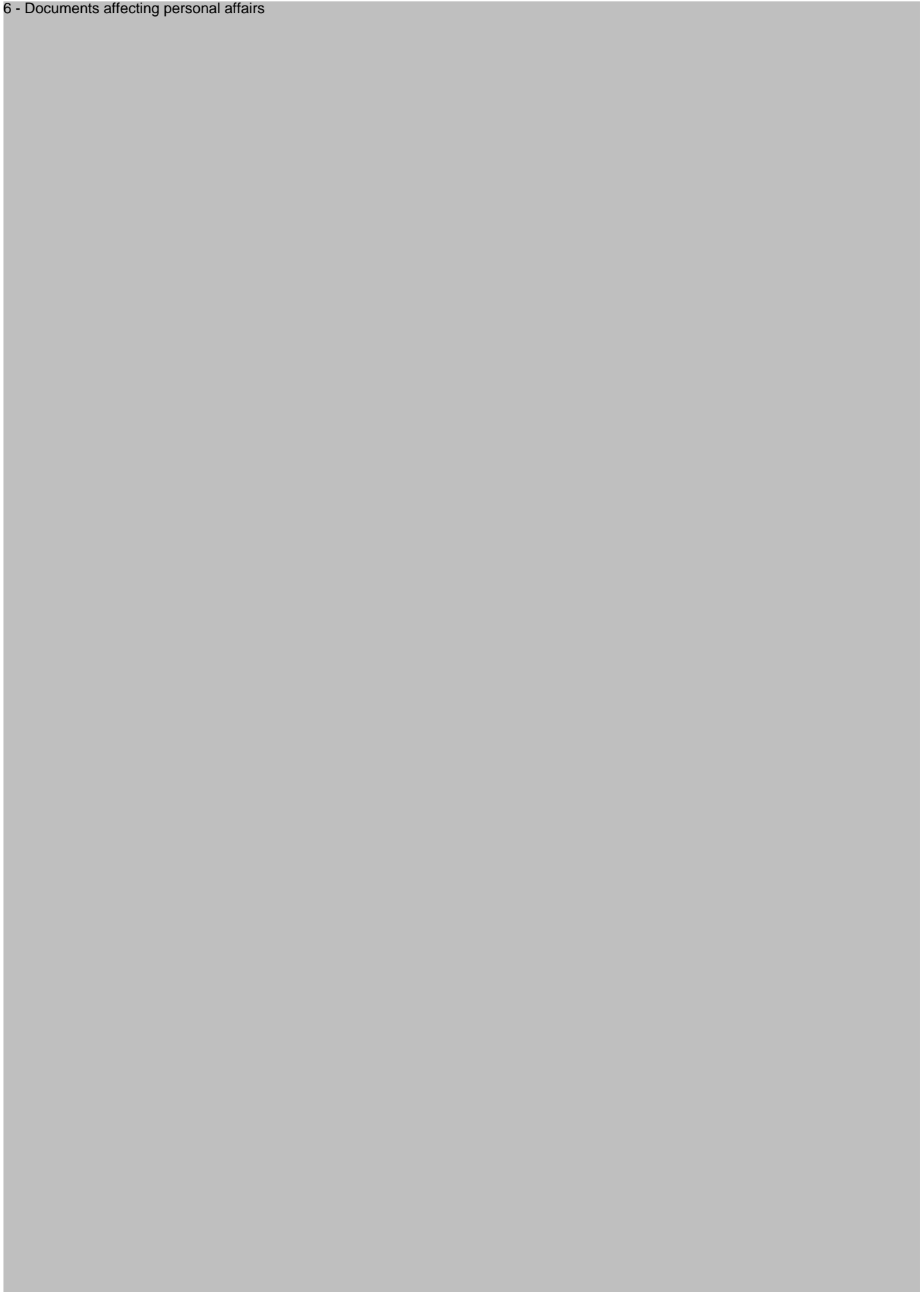














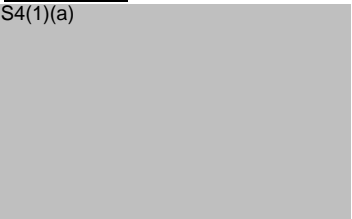


**MINUTES**  
**WILDLIFE ETHICS COMMITTEE**

Minutes for meeting Friday 26 March 2021  
**Adelaide Zoo Training Room 2pm start**

**1. WELCOME**

S4(1)(a)



- Chairperson
- Category A
- Category B
- Category C
- Category D
- Category E

**2. APOLOGIES**

S4(1)(a)

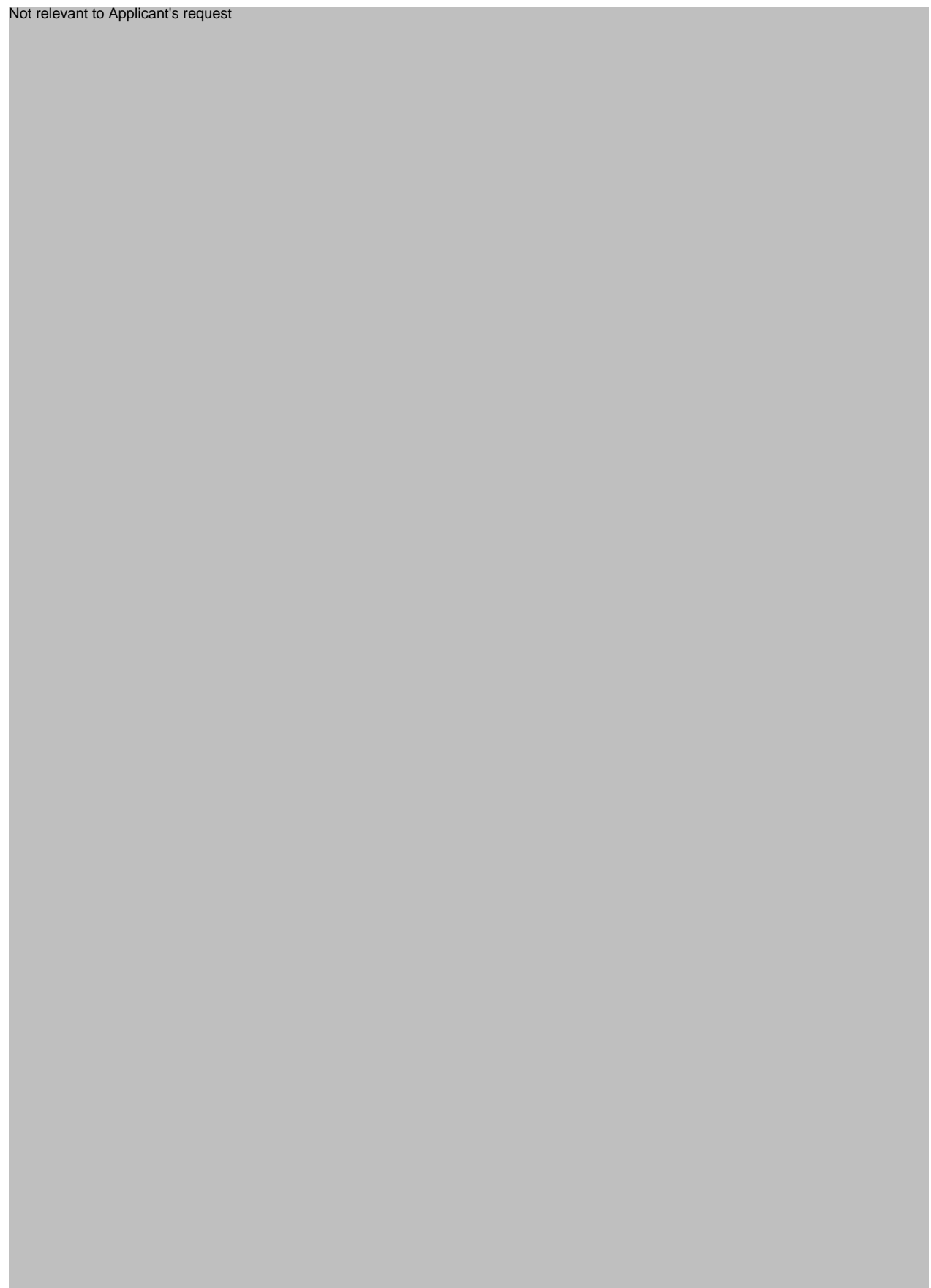


- Category A
- Category A
- Category B
- Category B
- Category B
- Category C
- Category D
- Category D
- Category D
- Category E
- Category E
- Executive Officer

Not relevant to Applicant's request

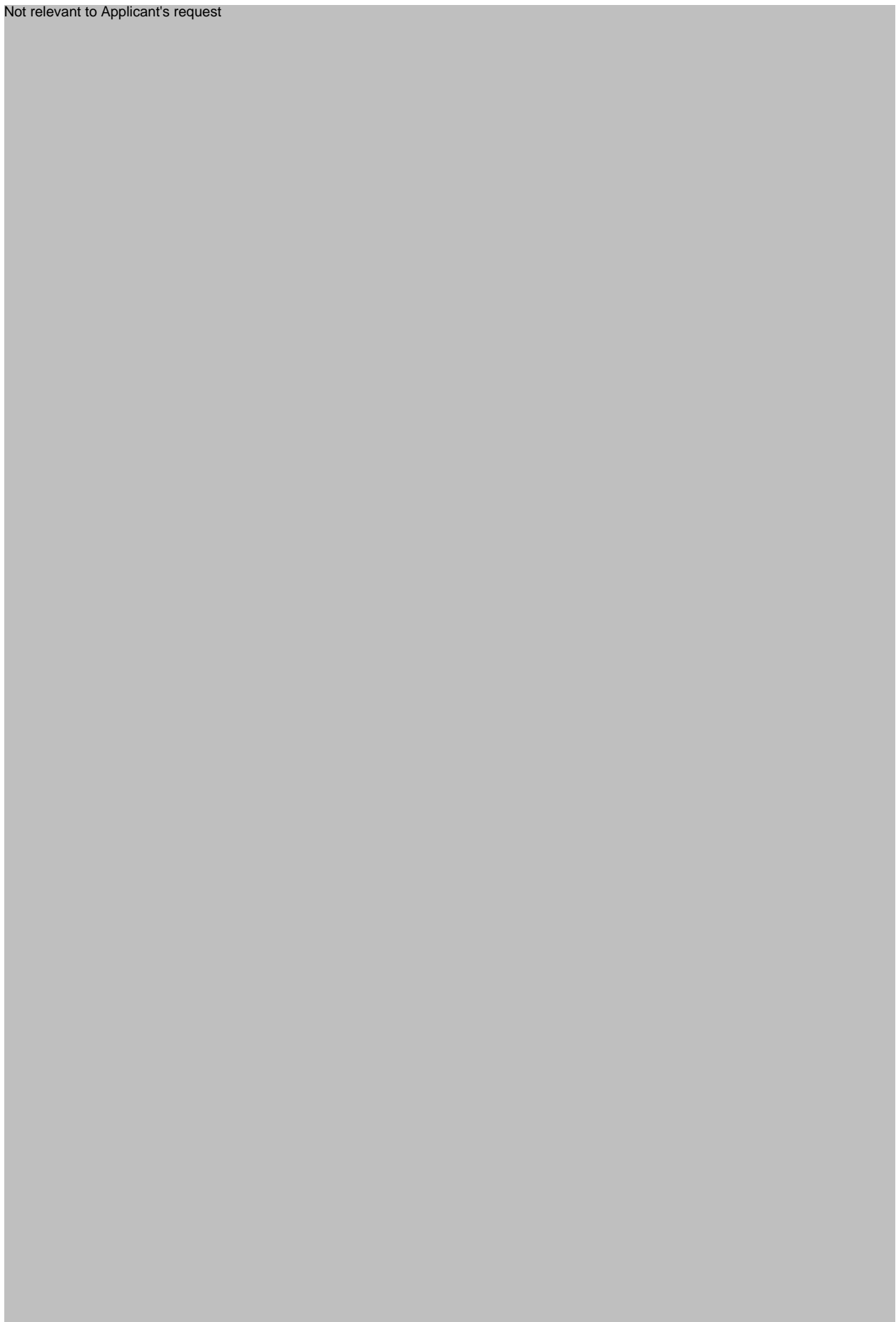


Not relevant to Applicant's request

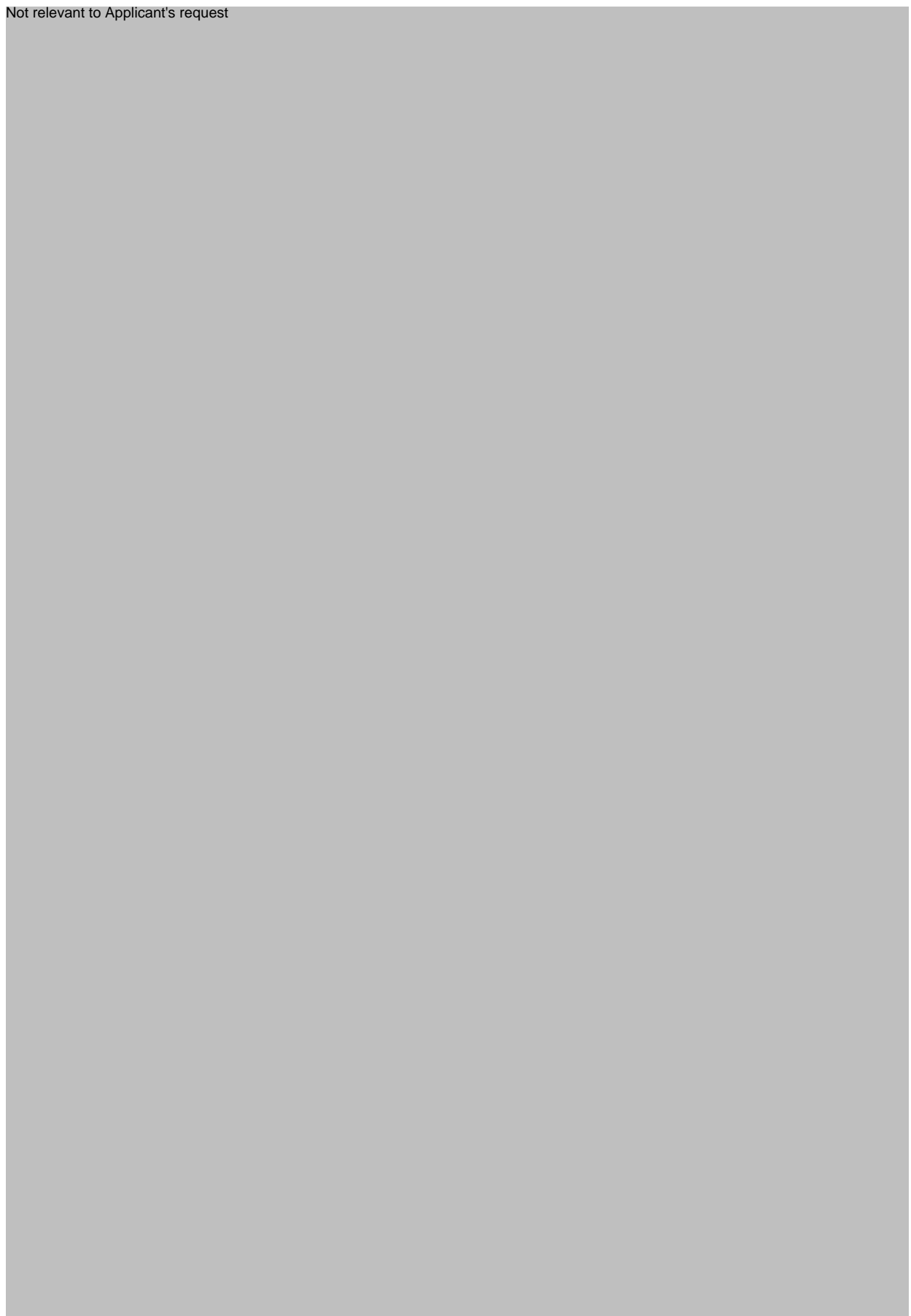




Not relevant to Applicant's request



Not relevant to Applicant's request



Not relevant to Applicant's request



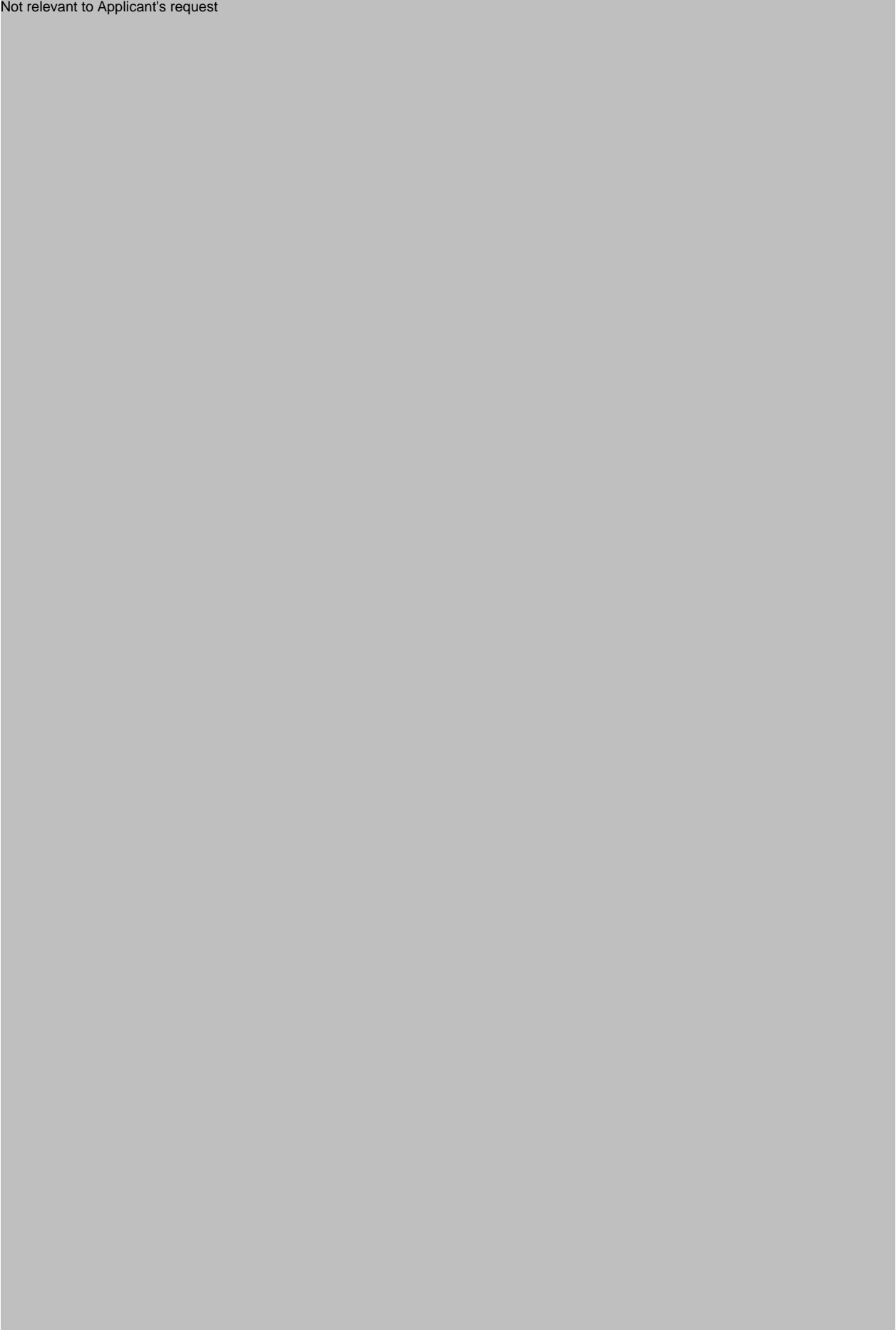
Not relevant to Applicant's request



Not relevant to Applicant's request




Not relevant to Applicant's request



Not relevant to Applicant's request



Not relevant to Applicant's request



6.6. Andrew Curran project 9/2021 Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex.

Sea lions one launch – 3 days approval? – Birds state 3 launches whilst this application is only recording the impacts on one launch. Why?

Sealions - <sup>S8(1)</sup> – frames the launch is for an experimental purpose.

If any negative impacts take place on the birds or seals, then it is an adverse event – will the next rocket be cancelled? If an approval is granted then this is an adverse event.


**Out of session meeting to be arranged to discuss both of these applications, have researchers present to address the committee's questions.**

Not relevant to Applicant's request





Not relevant to Applicant's request



Not relevant to Applicant's request



Not relevant to Applicant's request



**From:** DEW:Wildlife ETHICS Committee  
**Sent:** Wednesday, 31 March 2021 10:42 AM  
**To:** Andrew Curran  
**Cc:** S4(1)(a) (DEW); DEW:Wildlife ETHICS Committee  
**Subject:** Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE REQUIRED PLEASE

**Importance:** High

### For Official Use Only

Hello Andrew

The Wildlife Ethics Committee reviewed your submission on Friday 26 March 2021 for project 9/2021 - noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex.

The Committee would like to understand whether there are other reasons than solely studying the impact on birds and seals from the launch of the rocket? Alternatively, is the rocket launched purely for the purposes of studying the impacts to seals on Liguanea Island and the surrounding birds of the launch site?

I am seeking this information as soon as possible on behalf of the Wildlife Ethics Committee to finalise our assessments.

All the best.

S4(1)(a), Chairperson, Wildlife Ethics Committee

Through

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Science, Information and Technology Branch | Strategy Science and Corporate Services Division  
 Department for Environment and Water  
 P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
 Website: [Wildlife Ethics Committee](#)

GPO Box 1047 Adelaide SA 5001 AUSTRALIA



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S4(1)(a)

(DEW)

**From:** Andrew Curran S4(1)(a)  
**Sent:** Wednesday, 31 March, 2021 12:53 PM  
**To:** DEW:Wildlife ETHICS Committee  
**Subject:** RE: Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

Hello S4(1)(a)

In respect of your questions.

The Committee would like to understand whether there are other reasons than solely studying the impact on birds and seals from the launch of the rocket?

S8(1)

Alternatively, is the rocket launched purely for the purposes of studying the impacts to seals on Liguanea Island and the surrounding birds of the launch site?

Yes – the launches are purely for the purposes of studying the impacts of the proposed project. Only to the extent that the collection of noise and vibration data (and the consideration other potential impacts such as on human occupied sensitive receivers) is considered separate to the study of the impacts is there another purpose.

Regards

**Andrew Curran**

General Manager - Infrastructure

**Southern Launch**

m: S4(1)(a)

e:

[www.southernlaunch.space](http://www.southernlaunch.space)



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**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>

**Sent:** Wednesday, 31 March 2021 10:42 AM

**To:** Andrew Curran S4(1)(a)

**Cc:** S4(1)(a) DEW:Wildlife ETHICS Committee

<DEW.WildlifeETHICSCommittee@sa.gov.au>

**Subject:** Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

**Importance:** High

## For Official Use Only

Hello Andrew

The Wildlife Ethics Committee reviewed your submission on Friday 26 March 2021 for project 9/2021 - noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex.

The Committee would like to understand whether there are other reasons than solely studying the impact on birds and seals from the launch of the rocket? Alternatively, is the rocket launched purely for the purposes of studying the impacts to seals on Liguanea Island and the surrounding birds of the launch site?

I am seeking this information as soon as possible on behalf of the Wildlife Ethics Committee to finalise our assessments.

All the best.

S4(1)(a), Chairperson, Wildlife Ethics Committee

Through

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Science, Information and Technology Branch | Strategy Science and Corporate Services Division  
Department for Environment and Water  
P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
Website: [Wildlife Ethics Committee](#)

GPO Box 1047 Adelaide SA 5001 AUSTRALIA



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S4(1)(a)

(DEW)

**From:** Andrew Curran S4(1)(a)  
**Sent:** Wednesday, 31 March, 2021 4:11 PM  
**To:** DEW:Wildlife ETHICS Committee  
**Subject:** RE: Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

Hello S4(1)(a)

S8(1)

Regards

**Andrew Curran**

General Manager - Infrastructure

**Southern Launch**

m: S4(1)(a)

e:

[www.southernlaunch.space](http://www.southernlaunch.space)



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**From:** Andrew Curran S4(1)(a)  
**Sent:** Wednesday, 31 March 2021 4:11 PM  
**To:** DEW:Wildlife ETHICS Committee  
**Subject:** RE: Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE REQUIRED PLEASE

Hello S4(1)(a)

S8(1)

Regards

**Andrew Curran**  
 General Manager - Infrastructure

**Southern Launch**

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**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Sent:** Wednesday, 31 March 2021 10:42 AM  
**To:** Andrew Curran S4(1)(a)  
**Cc:** S4(1)(a) DEW:Wildlife ETHICS Committee  
 <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Subject:** Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]  
**Importance:** High

### For Official Use Only

Hello Andrew

The Wildlife Ethics Committee reviewed your submission on Friday 26 March 2021 for project 9/2021 - noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex.

The Committee would like to understand whether there are other reasons than solely studying the impact on birds and seals from the launch of the rocket? Alternatively, is the rocket launched purely for the purposes of studying the impacts to seals on Liguanea Island and the surrounding birds of the launch site?

I am seeking this information as soon as possible on behalf of the Wildlife Ethics Committee to finalise our assessments.

All the best.



S4(1)(a) , Chairperson, Wildlife Ethics Committee

Through

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

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**From:** DEW:Wildlife ETHICS Committee  
**Sent:** Thursday, 1 April 2021 9:55 AM  
**To:** S4(1)(a)  
**Cc:** S4(1)(a) (DEW); DEW:Wildlife ETHICS Committee  
**Subject:** Southern Rocket Launch - response to WEC Chair S4(1)(a) - requesting response URGENTLY PLEASE.  
**Attachments:** Southern Rocket Launch - Correspondence to Chair WEC.PDF  
**Importance:** High  
**Follow Up Flag:** Follow up  
**Due By:** Thursday, 1 April 2021 11:00 AM  
**Flag Status:** Flagged

### For Official Use Only

Hi Everyone

S4(1)(a) called me this morning (he is in workshops today) and has requested that I provide you with the correspondence received from Andrew Curran from Southern Launch re: launching the rocket purely for the purposes of the impacts on the animals.

After a discussion yesterday with Andrew Curran, S4(1)(a) is confident that Southern Launch - test launch/es are not solely for the purposes to study the impact on wildlife. With that in mind S4(1)(a) suggests that the WEC reappraise both the seals application and bird call playback.

Andrew Curran project 9/2021 Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex.

- S8(1) **warrant AEC approval? Is it changing the animals day?** The researcher would still need to obtain a marine permit and a scientific research permit to access the island.

Not relevant to Applicant's request

Can you please respond as soon as possible, to the email and to the questions raised for the applications and reply to all.

Thanks

S4(1)(a)

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S4(1)(a)

(DEW)

**From:** Andrew Curran S4(1)(a)  
**Sent:** Wednesday, 31 March, 2021 12:53 PM  
**To:** DEW:Wildlife ETHICS Committee  
**Subject:** RE: Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

Hello S4(1)(a)

In respect of your questions.

The Committee would like to understand whether there are other reasons than solely studying the impact on birds and seals from the launch of the rocket?

S8(1)

Alternatively, is the rocket launched purely for the purposes of studying the impacts to seals on Liguanea Island and the surrounding birds of the launch site?

Yes – the launches are purely for the purposes of studying the impacts of the proposed project. Only to the extent that the collection of noise and vibration data (and the consideration other potential impacts such as on human occupied sensitive receivers) is considered separate to the study of the impacts is there another purpose.

Regards

**Andrew Curran**

General Manager - Infrastructure

**Southern Launch**

m: S4(1)(a)

e:

[www.southernlaunch.space](http://www.southernlaunch.space)



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**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>

**Sent:** Wednesday, 31 March 2021 10:42 AM

**To:** Andrew Curran S4(1)(a)

**Cc:** S4(1)(a) DEW:Wildlife ETHICS Committee

<DEW.WildlifeETHICSCommittee@sa.gov.au>

**Subject:** Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

**Importance:** High

## For Official Use Only

Hello Andrew

The Wildlife Ethics Committee reviewed your submission on Friday 26 March 2021 for project 9/2021 - noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex.

The Committee would like to understand whether there are other reasons than solely studying the impact on birds and seals from the launch of the rocket? Alternatively, is the rocket launched purely for the purposes of studying the impacts to seals on Liguanea Island and the surrounding birds of the launch site?

I am seeking this information as soon as possible on behalf of the Wildlife Ethics Committee to finalise our assessments.

All the best.

S4(1)(a), Chairperson, Wildlife Ethics Committee

Through

S4(1)(a)

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S4(1)(a)

(DEW)

**From:** Andrew Curran S4(1)(a)  
**Sent:** Wednesday, 31 March, 2021 4:11 PM  
**To:** DEW:Wildlife ETHICS Committee  
**Subject:** RE: Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

Hello S4(1)(a)

S8(1)

Regards

**Andrew Curran**

General Manager - Infrastructure

**Southern Launch**

m: S4(1)(a)

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**From:** DEW:Wildlife ETHICS Committee  
**Sent:** Thursday, 1 April 2021 2:14 PM  
**To:** S4(1)(a)  
**Cc:** DEW:Wildlife ETHICS Committee  
**Subject:** Wildlife Ethics Committee request your attendance to Thursday 8 April meeting to discuss your research and Southern Launch

**Importance:** High

**Follow Up Flag:** Follow up  
**Due By:** Thursday, 1 April 2021 3:00 PM  
**Flag Status:** Flagged

### For Official Use Only

Hi S4(1)(a)

The Wildlife Ethics Committee (WEC) have requested that I email you to seek confirmation of your attendance to a supplementary WEC meeting scheduled for Thursday 8<sup>th</sup> April at 2pm at The Adelaide Zoo to seek clarification in regards to rocket launches and other research being conducted in conjunction with Southern Launch. Southern Launch representatives and bird researcher has also been invited to attend. Please note that this is the only date that a quorate of WEC committee members can attend until the next scheduled meeting in May.

Seeking confirmation that you can attend the meeting next Thursday 8<sup>th</sup> April.

Zoo access and meeting room information will be supplied next week.

Kind Regards

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

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 Department for Environment and Water  
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**From:** DEW:Wildlife ETHICS Committee  
**Sent:** Thursday, 1 April 2021 2:48 PM  
**To:** Andrew Curran; DEW:Wildlife ETHICS Committee  
**Subject:** RE: Wildlife Ethics Committee meeting to be scheduled 8th April - seeking confirmation of attendance RESPONSE REQUIRED PLEASE

**Importance:** High

### For Official Use Only

Andrew

The Committee have only requested that Primary applicant's and co-applicants attend this meeting.

So unfortunately S4(1)(a) will not be permitted to attend.

Regards

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

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Department for Environment and Water

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---

**From:** Andrew Curran S4(1)(a)  
**Sent:** Thursday, 1 April 2021 2:42 PM  
**To:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>  
**Subject:** RE: Wildlife Ethics Committee meeting to be scheduled 8th April - seeking confirmation of attendance RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

S4(1)(a) is the town planner we have engaged. he has a very detailed understanding of the project

regards

Andrew



Sent from my Galaxy

----- Original message -----

From: "DEW:Wildlife ETHICS Committee" <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

Date: 1/4/21 2:33 pm (GMT+09:30)

To: Andrew Curran S4(1)(a)

Subject: RE: Wildlife Ethics Committee meeting to be scheduled 8th April - seeking confirmation of attendance RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

**For Official Use Only**

Andrew

Can I confirm who is S4(1)(a) ?

What is his relation with Southern Launch?

Thanks

S4(1)(a)

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---

**From:** Andrew Curran S4(1)(a)

**Sent:** Thursday, 1 April 2021 2:06 PM

**To:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

**Subject:** RE: Wildlife Ethics Committee meeting to be scheduled 8th April - seeking confirmation of attendance RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

hello S4(1)(a)

i will be there with S4(1)(a)

regard

andrew curran

Sent from my Galaxy

----- Original message -----

From: "DEW:Wildlife ETHICS Committee" <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

Date: 1/4/21 2:04 pm (GMT+09:30)

To: Andrew Curran <sup>S4(1)(a)</sup>, "DEW:Wildlife ETHICS Committee" <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

Subject: RE: Wildlife Ethics Committee meeting to be scheduled 8th April - seeking confirmation of attendance RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

### For Official Use Only

Hi Andrew

The Wildlife Ethics Committee (WEC) have requested that I email you to seek confirmation of your attendance to a supplementary WEC meeting scheduled for Thursday 8<sup>th</sup> April at 2pm at The Adelaide Zoo  
Please note that this is the only date that a quorate of WEC committee members can attend until the next scheduled meeting in May.

Seeking confirmation that you can attend the meeting next Thursday 8<sup>th</sup> April.

Zoo access and meeting room information will be supplied next week.

Kind Regards

<sup>S4(1)(a)</sup>

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---

**From:** Andrew Curran <sup>S4(1)(a)</sup>  
**Sent:** Wednesday, 31 March 2021 4:11 PM  
**To:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>  
**Subject:** RE: Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE REQUIRED PLEASE [DLM=For-Official-Use-Only]

Hello S4(1)(a)

S8(1)

Regards

**Andrew Curran**

General Manager - Infrastructure

---

**Southern Launch**

m S4(1)(a)

e:

[www.southernlaunch.space](http://www.southernlaunch.space)



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---

**From:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

**Sent:** Wednesday, 31 March 2021 10:42 AM

**To:** Andrew Curran S4(1)(a)

**Cc:** S4(1)(a) >; DEW:Wildlife ETHICS Committee

<[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

**Subject:** Wildlife Ethics Committee seeking clarification on Rocket Launch Whalers Way submission RESPONSE  
REQUIRED PLEASE [DLM=For-Official-Use-Only]

**Importance:** High

### For Official Use Only

Hello Andrew

The Wildlife Ethics Committee reviewed your submission on Friday 26 March 2021 for project 9/2021 - noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex.

The Committee would like to understand whether there are other reasons than solely studying the impact on birds and seals from the launch of the rocket? Alternatively, is the rocket launched purely for the purposes of studying the impacts to seals on Liguanea Island and the surrounding birds of the launch site?

I am seeking this information as soon as possible on behalf of the Wildlife Ethics Committee to finalise our assessments.

All the best.

S4(1)(a), Chairperson, Wildlife Ethics Committee

Through

S4(1)(a)

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Science, Information and Technology Branch | Strategy Science and Corporate Services Division

Department for Environment and Water

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# MINUTES WILDLIFE ETHICS COMMITTEE

Minutes for meeting Thursday 8<sup>th</sup> April 2021  
**Adelaide Zoo Training Room 2pm start**

## 1. **WELCOME**

S4(1)(a)

Chairperson  
Category A  
Category B  
Category C  
Category D  
Category E  
Executive Officer

**This meeting was scheduled to address the committee's concerns from two applications relating to impacts of animals observed during a rocket launch trial that were reviewed by the Committee during meeting held Friday March 26<sup>th</sup>.**

The Committee welcomed: Andrew Curran from Southern Launch, S4(1)(a) entered the room at 2.15pm.  
S4(1)(a) and Not relevant to Applicant's request

## **2.0. APPLICATIONS DISCUSSED**

2.1. (6.6. from previous meeting) Andrew Curran project 9/2021 Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex.

Andrew Curran:

WEC - Purpose of the launch? Two aspects:

S8(1)




**WEC approved this application on the condition:**

**Committee requested that an email summary report be lodged immediately after the first launch with the findings.**

Not relevant to Applicant's request



Not relevant to Applicant's request



**WEC approved this research on the condition that an email summary report be sent to the Committee with the researchers findings after the first launch, and subsequent launches. Any adverse events need to be reported immediately to the Committee.**

**EO to draft both approvals and send to Chair to review prior to issuing.**

**Close of meeting: 3.15pm**

**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Sent:** Tuesday, 13 April 2021 1:50 PM  
**To:** S4(1)(a); 'Andrew Curran'  
**Cc:** DEW:Wildlife ETHICS Committee; DEW:Research Permits  
**Subject:** Wildlife Ethics Committee approval  
**Attachments:** Curran\_9-2021\_Whalers Way Seals on Liguanea Island.pdf

### For Official Use Only

Hi Andrew and S4(1)(a)

The Wildlife Ethics Committee have approved your application for project 9/2021 *Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex*.

The Committee request an email summary report of the findings revealed S8(1) after the first launch be reported immediately.

Please refer to the additional conditions on the attached wildlife ethics approval attached.

All the best for your research.

Regards

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Environmental and Information Team | Information Management Unit  
 Science, Information & Technology Branch  
 Department for Environment and Water  
 P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
 Website: [Wildlife Ethics Committee](#)  
**Level** 81 Waymouth Street ADELAIDE  
 GPO Box 1047 Adelaide SA 5001 AUSTRALIA  
[environment.sa.gov.au](http://environment.sa.gov.au) | [envirodata.sa.gov.au](http://envirodata.sa.gov.au)



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---

**From:** S4(1)(a)  
**Sent:** Tuesday, 13 April, 2021 11:09 AM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Subject:** Re: ethics committee result [DLM=For-Official-Use-Only]

Many thanks S4(1)(a), and good to meet you through the process

Regards

S4(1)(a)

On 13/04/21 10:41am, DEW:Wildlife ETHICS Committee wrote:

**For Official Use Only**

Hi Everyone

The Wildlife Ethics Committee have reviewed your submissions and have approved them.

The approvals will be issued by close of business today.

I have notified Research permits that the projects have been approved.

All the best for your research.

Kind Regards

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

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Science, Information & Technology Branch  
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Website: [Wildlife Ethics Committee](#)  
Level 1 81 Waymouth Street ADELAIDE  
GPO Box 1047 Adelaide SA 5001 AUSTRALIA  
[environment.sa.gov.au](http://environment.sa.gov.au) | [envirodata.sa.gov.au](http://envirodata.sa.gov.au)



**SOUTH**  
AUSTRALIA



**Government of South Australia**

Department for Environment  
and Water

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**From:** Andrew Curran S4(1)(a)  
**Sent:** Friday, 9 April, 2021 4:24 PM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Subject:** ethics committee result

Hello S4(1)(a)

Any indication as to when we might have a decision from the committee?

Regards

**Andrew Curran**  
General Manager - Infrastructure

---

**Southern Launch**

m: S4(1)(a)  
e: [REDACTED]

[www.southernlaunch.space](http://www.southernlaunch.space)



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## Approval to use animals For the Purpose of Research, Teaching or Experimentation involving animals

This approval authorises Andrew Curran from Southern Launch to use animals for the purposes of research in project number 9/2021 *Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex*, pursuant to Part 4 of the *Animal Welfare Act 1985* (the Act). The approval is valid from 08/04/2021 through to 31/05/2021.

### General conditions

1. The applicant must provide the Wildlife Ethics Committee with such information in relation to research involving animals as the Wildlife Ethics Committee may request pursuant to section 19(1) (d) of the Act.
2. The applicant must answer such questions in relation to teaching, research or experimentation involving animals as may be put by the Wildlife Ethics Committee pursuant to section 19(1)(e) of the Act.
3. A report on any unexpected adverse events or deaths which may occur whilst undertaking the project. Such events should be advised by email or phone to the Executive Officer of the Wildlife Ethics Committee immediately and, if an animal has died, a necropsy performed to determine the cause of death.
4. The applicant must provide to the Wildlife Ethics Committee, as soon as reasonably practical, such information as requested by the committee, including, but not limited to;
  - a. Statistical information on numbers of animals used each calendar year (this includes all animals trapped and released).
  - b. A final report at the conclusion of the research project.
5. Appropriate care, housing and handling of animals must be maintained at all times.
6. Appropriate post-procedural care, including required veterinary treatment must be provided for animals at all times.
7. Animals must be treated humanely and in accordance with the *Act* and *Animal Welfare Regulations 2012*.
8. The acquisition, use (including all procedures) and care of animals for the research is, pursuant to s19(2)(f) of the Act, subject to compliance with Parts 1 - 6 of the *Australian code for the care and use of animals for scientific purposes, 8<sup>th</sup> Edition 2013*. National Health and Medical Research Council Australian Research Council.
9. This approval is limited to those procedures, animal species, number of animals and locations as described in project number 9/2021 *Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex*.

## Special Conditions

The Committee request an email summary report of the findings revealed <sup>S8(1)</sup> after the first launch be reported immediately.

All persons participating in field work listed on this approval must complete an online wildlife users training module. Executive Officer will notify <sup>S4(1)(a)</sup> when the training is available online.

- The following personnel may participate in the research project:

Andrew Curran – Launch aspects

<sup>S4(1)(a)</sup>

- The following animals and number of animals may be used in the research project:

Common Name	Scientific Name	Numbers	Age or Size	Numbers
Long-nosed Fur Seal (LNFS)	<i>Arctocephalus forsteri</i>	Up to 9000	All ages male and female	As observed Liguanea Island
Australian Sea Lion	<i>Neophoca cinerea</i>	Approximately 165	All ages male and female	As observed Liguanea Island

- The following procedures may be undertaken in the research:

<sup>S8(1)</sup>

During the launch seals on Liguanea Island (and possibly some at Cape Wiles on the mainland) will experience elevated noise levels (likely less than 90 dB) for less than two minutes. The seals will not experience a sonic boom.

S8(1)

[https://www.environment.sa.gov.au/files/sharedassets/public/plants\\_and\\_animals/aec-incident-report-form.docx](https://www.environment.sa.gov.au/files/sharedassets/public/plants_and_animals/aec-incident-report-form.docx)

**Location of research**

Locations (Nearest Named Place)	
Launch at Whalers Way (Port Lincoln) - Rocket launch with potential for behavioural impacts on LNFS on Liguanea Island	
Liguanea Island -	S8(1)

- If an animal is injured as a direct result of the launch then the animal is to be treated by a veterinarian as stated in researcher submission.

S4(1)(a)

EXECUTIVE OFFICER On behalf of the Wildlife Ethics Committee

**Date of issue: 13/04/2021**

Department for Environment and Water

[DEW.WildlifeEthicsCommittee@sa.gov.au](mailto:DEW.WildlifeEthicsCommittee@sa.gov.au)

**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Sent:** Friday, 14 May 2021 8:48 AM  
**To:** S4(1)(a); DEW:Wildlife ETHICS Committee  
**Cc:** Andrew Curran; S4(1)(a)  
**Subject:** RE: Southern Launch ethics approval

For Official Use Only

Hi S4(1)(a)

You will need to complete an amendment form and request an urgent modification to a project.

Please click on the amendment form and return prior to expiry of the approval and have the new person S4(1)(a) sign the amendment form, provide updates of other persons and request an extension of time. I will be able to forward your amendment to the Wildlife Ethics Executive Committee to review and approve.

Click on the link to access the minor amendment form:

[https://www.environment.sa.gov.au/files/sharedassets/public/plants\\_and\\_animals/aec-minor-amendment-form.docx](https://www.environment.sa.gov.au/files/sharedassets/public/plants_and_animals/aec-minor-amendment-form.docx)

When the committee approves the amendment, I will add S4(1)(a) to the approval (apologies that it was missed).

Cheers

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Science, Information and Technology Branch | Strategy Science and Corporate Services Division Department for Environment and Water P (08) 8463 6851 | E-mail: DEW.WildlifeETHICSCommittee@sa.gov.au

Website: Wildlife Ethics Committee

GPO Box 1047 Adelaide SA 5001 AUSTRALIA

The information in this e-mail may be confidential and/or legally privileged. Use or disclosure of the information to anyone other than the intended recipient is prohibited and may be unlawful. If you have received this email in error please advise by return email.

-----Original Message-----

**From:** S4(1)(a)  
**Sent:** Tuesday, 11 May 2021 4:13 PM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Cc:** Andrew Curran; S4(1)(a)  
**Subject:** Southern Launch ethics approval

Hi S4(1)(a),

A few things have arisen that we thought we should flag now given that the next meeting of the committee is imminent. Apologies for not corresponding prior to the submission deadline of 27 April but some of the issues have only just come to our attention.

Firstly, the approval expires on 31 May. Due to delays with other approvals, the launch window is now 1-20 July, so we would need a change to the expiry date. It has been suggested that 31 December would be in line with the related approvals and provide some flexibility if there is further delay - would that be appropriate, noting that we would be providing an email summary report of the findings revealed S8(1) as soon as possible after the launch.

Secondly, S4(1)(a)

S4(1)(a) - could he be added to the relevant approval condition? We assume that neither he nor S4(1)(a) would need to do the wildlife users training because they already have appropriate training/qualification?

Also, we listed S4(1)(a) but he was not listed in the approval conditions.

Notwithstanding that, the desire is now for that function to be undertaken by Andrew Curran or Shane Bennett (who is an SL employee). Is it possible to include one or both (as alternatives) in the approval conditions (Andrew is only listed in relation to launch aspects)? We understand that whoever went would have to undertake the wildlife users training.

Regards

S4(1)(a)

**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Sent:** Friday, 21 May 2021 2:22 PM  
**To:** Andrew Curran  
**Cc:** S4(1)(a)  
**Subject:** FW: Southern Launch ethics approval

**For Official Use Only**

**For Official Use Only**

Apologies, Andrew

Research permit is issued under National Parks and Wildlife Act and Regulations – all issued for 12 months automatically.

Wildlife Ethics Committee approvals are issued under *Animal Welfare Act 1985* and are issued for a specific duration as requested by researcher and agreed by the Committee.

Hope this clarifies the situation.

Cheers

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

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 Department for Environment and Water  
 P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
 Website: [Wildlife Ethics Committee](#)

GPO Box 1047 Adelaide SA 5001 AUSTRALIA



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**From:** DEW:Wildlife ETHICS Committee  
**Sent:** Friday, 21 May 2021 2:10 PM  
**To:** Andrew Curran S4(1)(a); DEW:Wildlife ETHICS Committee  
 <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Cc:** S4(1)(a)  
**Subject:** RE: Southern Launch ethics approval [DLM=For-Official-Use-Only]

**For Official Use Only**

Hi S4(1)(a)



The Wildlife Ethics Committee approval was issued for the duration that Andrew Curran requested until the end of May. Scientific research permits are issued for one year duration to allow adequate time for the reports to be lodged with data.

Your ethics committee approval is dated 31/05/2021 expiry.

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Science, Information and Technology Branch | Strategy Science and Corporate Services Division  
Department for Environment and Water  
P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
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---

**From:** Andrew Curran S4(1)(a)  
**Sent:** Friday, 21 May 2021 2:05 PM  
**To:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>  
**Cc:** S4(1)(a)  
**Subject:** RE: Southern Launch ethics approval [DLM=For-Official-Use-Only]

Hello S4(1)(a)

Many, many thanks for this. I am chasing up S4(1)(a) to confirm where this is at.

A question for you (as I am a little confused). I have the permit which gives an expiry date of the 31/5/21 and another which expires on the 2/5/22. Are they the same thing or are they different permits for some reason?

Regards

Andrew Curran  
General Manager - Infrastructure

e:  
S4(1)(a)

m:  
S4(1)(a)

[www.southernlaunch.space](http://www.southernlaunch.space)

The content of this email is confidential and intended for the recipient specified in message only. It is strictly forbidden to share any part of this message with any third party, without a written consent of the sender. If you received this message by mistake, please reply to this message and follow with its deletion, so

that we can ensure such a mistake does not occur in the future.

-----Original Message-----

From: DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

Sent: Friday, May 21, 2021 1:47 PM

To: S4(1)(a); Andrew Curran S4(1)(a)

Cc: S4(1)(a) DEW:Wildlife ETHICS Committee

<[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

Subject: RE: Southern Launch ethics approval [DLM=For-Official-Use-Only]

Importance: High

For Official Use Only

Hi S4(1)(a) and Andrew

I do not usually remind researchers that their approvals are nearing expiry date.

Unfortunately I have not yet received your amendment request form to extend your wildlife ethics committee approval.

If your amendment is not received prior to the expiry date which is 31/05/2021, it cannot be extended and you will be required to lodge a new application and wait until the next scheduled wildlife ethics committee meeting held in July.

Please note it can take up to 5 working days to have the Executive Committee review any urgent amendments and I will need your amendment early next week so I can circulate to the Executive Committee.

To complete the amendment form and request an extension of time and additional persons please click on the link below to access the minor amendment form. Ensure all new persons listed sign the amendment.

[https://www.environment.sa.gov.au/files/sharedassets/public/plants\\_and\\_animals/aec-minor-amendment-form.docx](https://www.environment.sa.gov.au/files/sharedassets/public/plants_and_animals/aec-minor-amendment-form.docx)

Kindest Regards

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Science, Information and Technology Branch | Strategy Science and Corporate Services Division

Department for Environment and Water P (08) 8463 6851 | E-mail:

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-----Original Message-----

From: DEW:Wildlife ETHICS Committee [mailto:DEW.WildlifeETHICSCommittee@sa.gov.au]

Sent: Friday, 14 May 2021 8:48 AM

To: S4(1)(a); DEW:Wildlife ETHICS Committee

<DEW.WildlifeETHICSCommittee@sa.gov.au>

Cc: Andrew Curran S4(1)(a)

S4(1)(a)

Subject: RE: Southern Launch ethics approval [DLM=For-Official-Use-Only]

For Official Use Only

Hi S4(1)(a)

You will need to complete an amendment form and request an urgent modification to a project.

Please click on the amendment form and return prior to expiry of the approval and have the new person S4(1)(a) sign the amendment form, provide updates of other persons and request an extension of time. I will be able to forward your amendment to the Wildlife Ethics Executive Committee to review and approve.

Click on the link to access the minor amendment form:

[https://www.environment.sa.gov.au/files/sharedassets/public/plants\\_and\\_animals/aec-minor-amendment-form.docx](https://www.environment.sa.gov.au/files/sharedassets/public/plants_and_animals/aec-minor-amendment-form.docx)

When the committee approves the amendment, I will add S4(1)(a) to the approval (apologies that it was missed).

Cheers

S4(1)(a)

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Department for Environment and Water P (08) 8463 6851 | E-mail:

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-----Original Message-----

From: S4(1)(a)

Sent: Tuesday, 11 May 2021 4:13 PM

To: DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>

Cc: Andrew Curran S4(1)(a)

S4(1)(a)

Subject: Southern Launch ethics approval



Hi S4(1)(a),

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Firstly, the approval expires on 31 May. Due to delays with other approvals, the launch window is now 1-20 July, so we would need a change to the expiry date. It has been suggested that 31 December would be in line with the related approvals and provide some flexibility if there is further delay - would that be appropriate, noting that we would be providing an email summary report of the findings revealed on S8(1) S8(1) as soon as possible after the launch.

S4(1)(a)

S4(1)(a) as an alternative - could he be added to the relevant approval condition? We assume that neither he nor S4(1)(a) would need to do the wildlife users training because they already have appropriate training/qualification?

Also, we listed S4(1)(a), but he was not listed in the approval conditions.

Notwithstanding that, the desire is now for that function to be undertaken by Andrew Curran or Shane Bennett (who is an SL employee). Is it possible to include one or both (as alternatives) in the approval conditions (Andrew is only listed in relation to launch aspects)? We understand that whoever went would have to undertake the wildlife users training.

Regards

S4(1)(a)

**SOUTH AUSTRALIAN ANIMAL ETHICS APPLICATION FOR A MINOR  
AMENDMENT  
TO A CURRENT APPROVED PROJECT  
ADDITIONAL ANIMALS/SPECIES CHANGE/PROCEDURE CHANGE**

Please do not use this form if you require University of Adelaide Animal Ethics Committee approval.

The University web form is accessible at the ethics website:

<http://www.adelaide.edu.au/ethics/animal/guidelines/>

**To which committees are you submitting?**

**Email completed form to:**

<input type="checkbox"/> Flinders AWC: School of Biological Sciences	<a href="mailto:awsc@flinders.edu.au">awsc@flinders.edu.au</a>
<input type="checkbox"/> Flinders AWC: School of Medicine	<a href="mailto:aersc@flinders.edu.au">aersc@flinders.edu.au</a>
<input type="checkbox"/> PIRSA/SARDI	<a href="mailto:PIRSA.AnimalEthics@sa.gov.au">PIRSA.AnimalEthics@sa.gov.au</a>
<input type="checkbox"/> SAHMRI	<a href="mailto:secretary.aec@sahmri.com">secretary.aec@sahmri.com</a>
<input type="checkbox"/> University of South Australia	<a href="mailto:animalethics@unisa.edu.au">animalethics@unisa.edu.au</a>
<input checked="" type="checkbox"/> Wildlife	<a href="mailto:DEW.WildlifeEthicsCommittee@sa.gov.au">DEW.WildlifeEthicsCommittee@sa.gov.au</a>

### Instructions

- After completing this form please refer to the relevant Animal Ethics Committee for the preferred method of submission via Word or pdf.

The Minor amendment of a Protocol does not involve a change in the main aims of the project or the asking of a new scientific question.

**Please indicate the amendments requested:**

<input checked="" type="checkbox"/>	A. Extension of time of existing approved project.
<input type="checkbox"/>	B. Modification to procedures in previously approved project.
<input type="checkbox"/>	C. Change to Animals required (number, species, strain etc)
<input checked="" type="checkbox"/>	D. Change of Investigator or Other Personnel

<b>AEC Project Number:</b>	9/2021	<b>Approval period including Existing Expiry Date:</b>	Expiry 31 May 2021
<b>TITLE OF PROJECT:</b> <i>Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex</i>			
<b>Name of Primary Applicant</b>	Mr Andrew Curran		
<b>Applicants Institution and Department</b>	Southern Launch Pty Ltd		
<b>Email address:</b>	S4(1)(a)		
<b>Telephone:</b>	S4(1)(a)		
<b>Contact person for this application (if not the Chief Investigator or Alternate Chief Investigator). Title/first name/last name</b>	Mr Andrew Curran (as above) and/or S4(1)(a)		

Email address:	S4(1)(a)
Telephone:	S4(1)(a)
Approval to share information	<p>By submitting this application I give approval for this application and any information relating to it to be shared by South Australian Animal Ethics Committees and the Animal Welfare Unit within the Department for Environment and Water for the purposes of administration, approval and monitoring.</p> <p><input checked="" type="checkbox"/> Yes</p>
Declaration of interest	<p>Is there any actual or potential interest, including financial interest or other relationship or affiliation by any research/team member involved in the project that may affect judgements and decision regarding the wellbeing of the animals involved? See Code <a href="#">Clause 2.7.4</a> [xxi]</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, outline the potential and any steps to be taken to ensure the ethical integrity of the project.</p>

### Animal Use previously approved

Species/Strain	Sex	Age/Size	Original Number of Animals Approved	Additional Animals Previously Requested and Approved	Number Used to Date
Long-nosed fur sea <i>Arctocephalus forsteri</i>	Both	Various	~ 9,000	0	0
Australian sea lion <i>Neophoca cinerea</i>	Both	Various	165	0	0

### SECTION A. Is an extension of time to complete this project requested?

☒ Yes ☐ No

If you mark "No" go to Section B.

1.1	Has an extension of time previously been requested and approved?	No
1.2	Requested finish date:	31 December 2021
1.3	Reason for extension:	Delays with other approvals have set back the date of the first launch, and there may be delays for subsequent launches.

## SECTION B. Is a modification to the procedures in this project requested?

Make sure this application describes what the old procedure and the new procedure is so that the reader does not have to refer to the original application to understand what is being asked.

☐ Yes ☒ No

If you mark "No" go to Section C.

Use *PLAIN ENGLISH* in your response to the following sections - everyday language that can be understood by an educated lay person who has no medical or scientific background.  
Do not use scientific jargon and avoid using acronyms.

2.1 Please give a brief lay description of the original project, its aims and progress to date.

2.2 Brief lay description of the modification. Give a one sentence/phrase description of each proposed amendment.

2.3 Detailed description.

2.3.1 Provide a description of the proposed modification and indicated how it will fit within the currently approved project.

2.3.2 Explain the scientific merit of your requested change.

2.3.3 State the welfare impact of the changes on the animals and how that impact will be minimised.

2.3.4 Will this modification require approvals from other AECs, committees or authorities?

☐ Yes ☐ No

Explain and provide details of additional approvals required/obtained.

2.3.5 Has the Pain Classification changed?

☐ Yes ☐ No

If yes, indicate the change.

	Category	Procedures	Extent and Duration Suffering
<input type="checkbox"/>	No pain or distress		
<input type="checkbox"/>	Mild pain or distress		
<input type="checkbox"/>	Moderate pain or distress		
<input type="checkbox"/>	Substantial pain or distress		
<input type="checkbox"/>	Severe pain or distress (Animals in this category must be humanely killed)		



2.3.6 Has the Procedure Category changed? If so, what will the new category be? Please comment on the change.

<input type="checkbox"/>	Observational Studies: e.g. behavioural study, feeding trial, pitfall trapping, obtaining weights and body measurements.
<input type="checkbox"/>	Animal Unconscious; No Recovery: Animal killed prior to commencement of project or killed while under general anaesthetic e.g. killing animals for voucher specimens.
<input type="checkbox"/>	Minor Conscious Intervention: No Anaesthesia: e.g. injections, leg-banding, blood sampling, fitting radio-collars, attaching transmitters with glue or tape, toe or ear clipping for identification purposes, implanting microchips without anaesthesia.
<input type="checkbox"/>	Minor Procedures with Recovery: e.g. Organ biopsies, attaching radio-collars or transmitters under anaesthesia, implanting microchips under anaesthesia, removing teeth, micro CT.
<input type="checkbox"/>	Major Surgery with Recovery: e.g. bone surgery, implanting abdominal radio-transmitters.
<input type="checkbox"/>	Minor Physiological Challenge: e.g. minor infection, minor or moderate genetic deformity, early oncogenesis; residue testing.
<input type="checkbox"/>	Major Physiological Challenge: e.g. major infection, oncogenesis without pain alleviation; environmental deprivation for extended periods.
<input type="checkbox"/>	Death as an Endpoint: e.g. lethality testing, vaccine testing where death is a planned and necessary part of the study (see Code definition and clause 1.13).

2.3.7 Monitoring. Will animals be monitored as outlined in the currently approved protocol?

☐ Yes ☐ No

If NO, provide details of the new monitoring requirements and attach an amended or additional monitoring checklist if appropriate.

## SECTION C. Are Additional Animals or Change of Species/Strain required?

If yes, please refer to the relevant Institutional Guidelines relating to the maximum number of animals that may be requested prior to completing the section below. This will help you determine whether or not a new protocol application is required.

☐ Yes ☒ No

If you mark "No" go to Section D.

### 3.1 Additional Animals/Change of Species Requested

<input type="checkbox"/>	Additional animals
<input type="checkbox"/>	Change of species/strain
<input type="checkbox"/>	Additional species/strain

Species/Strain	Sex	Age/Size	Number Requested

### 3.2 Provide justification for this request.



## SECTION D. Change of Investigator or Other Personnel

☒ Yes      ☐ No

If you mark "No" go to Section E.

*Reminder: If the Chief Investigator leaves the project, an application for a new project may need to be submitted to the AEC. Contact the AEC Secretary for further advice.*

Modification	Investigator/s name/s	Effective date/s
(i) Investigator/s leaving project		

### (ii) New investigator/s on project

*For each new person involved with the use of animals in this project outline their level of experience in the use of the proposed techniques and procedures, in handling the selected animal species and the experimental steps in which they will be involved, plus with the date on which they attended Animal Welfare Day/ Training Course.*

	Name and Qualification	Detail the experience each participant has in the procedures to be undertaken with the species being used (if no experience, describe how relevant training and supervision will be obtained)	In which procedure(s) is this person involved?	Date this person attended an Animal Users Training Day?
Investigator(s)				
Other People Participating	S4(1)(a)	S4(1)(a)	S8(1)	<u>25/10/2013</u>
	<u>Shane Bennett</u>	<u>No relevant experience with seals, would be supervised by S4(1)(a)</u>	S8(1)	<u>n/a</u>
	<u>Andrew Curran (possible additional role)</u>	<u>No relevant experience with seals, would be supervised by S4(1)(a)</u>	S8(1)	<u>n/a</u>

## SECTION E. Investigator Declaration of Responsibilities

I have reviewed the particulars set out on the <i>original</i> Application to the AEC for this project and certify:	
(i) That the Aims of the project are unchanged.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(ii) That any licences or permits that are required have been obtained and are current.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(iii) That the "Purpose" classification of the project is unchanged.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(iv) That the "Procedure" classification of the project is unchanged.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Except where this is discussed in the Minor Amendment Application. (Note: Where the answer is NO, please review your application. The submission of a new Application may be required.)	

I hereby declare that:

- i) I and all others involved in this project are familiar with and will comply with the relevant Commonwealth and State or Territory legislation and the requirements of the Australian Code of Practice for the care and use of animals for scientific purposes, 8<sup>th</sup> Edition 2013 (The Code)
- ii) To the best of my knowledge this proposal conforms to the Code (8th Edition 2013) and the South Australian *Animal Welfare Act 1985*.
- iii) I have read Section 2 of the Code which sets down the responsibilities of investigators. I accept responsibility for the conduct of all procedures detailed in this application and for the supervision of all personnel delegated to perform any such procedures.
- iv) I agree to comply with procedures described and any conditions imposed by the Animal Ethics Committee.
- v) Sufficient and adequate resources will be available to undertake the proposed study.

Primary Applicant's Name	Primary Applicant's Signature	Date
Andrew Curran	S6(1)	24/05/2021

Other Applicant's Name	Other Applicant's Signature	Date
S4(1)(a)	S6(1)	24/05/2021
Shane Bennett		24/05/2021

AEC Use Only		
Date Received:	Action Taken:	Signature of Chair, AEC
	Date of AEC meeting for consideration:	

**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Sent:** Friday, 28 May 2021 8:58 AM  
**To:** S4(1)(a); DEW:Wildlife ETHICS Committee  
**Cc:** Andrew Curran; S4(1)(a)  
**Subject:** RE: Southern Launch ethics approval  
**Attachments:** Curran\_9-2021\_Whalers Way Seals on Liguanea Island.pdf

### For Official Use Only

Good morning S4(1)(a)

The Wildlife Ethics Executive have reviewed your request for an extension of time and additional persons for project *9/2021 Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex*.

The Committee has approved the amendment and are looking forward to receiving a summary report of your findings after the first launch.

All the best for your research.

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Science, Information and Technology Branch | Strategy Science and Corporate Services Division  
 Department for Environment and Water  
 P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
 Website: [Wildlife Ethics Committee](#)

GPO Box 1047 Adelaide SA 5001 AUSTRALIA



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**From:** S4(1)(a)  
**Sent:** Monday, 24 May 2021 2:09 PM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Cc:** Andrew Curran; S4(1)(a)  
**Subject:** Re: Southern Launch ethics approval [DLM=For-Official-Use-Only]

Hi S4(1)(a),

Please find attached a minor amendment form describing an urgent



modification that we require for the Southern Launch test launch project prior to its expiry on 31 May 2021.

There are two types of changes sought - expiry date and personnel. For the expiry date, other approvals have taken longer than expected and delayed the first launch. This is now scheduled for July, but we are seeking an end-of-year expiry to allow for further delay and subsequent test launches. For personnel, S4(1)(a) S4(1)(a), who also has the appropriate experience and ethics training. We are not seeking to remove S4(1)(a) as he may still potentially be involved, depending on timing. Other changes to personnel are that SL no longer seek to use S4(1)(a) (so his omission from the approval document is not a problem) but the role of S8(1) S8(1) would be undertaken by Andrew Curran or Shane Bennett. Andrew is already on the approval (as manager of rocket launch) but I've added this new role, as well as adding Shane as a new participant. We understand that whoever of them goes will have to complete the animal ethics training that you referred to in an earlier email, but assume that would not be the case for S4(1)(a) who has already completed appropriate training.

Please let me know if there are any problems with the above.

Regards

S4(1)(a)

(on behalf of Southern Launch)

On 14/05/21 8:47am, DEW:Wildlife ETHICS Committee wrote:

> For Official Use Only

>

>

> Hi S4(1)(a)

>

> You will need to complete an amendment form and request an urgent modification to a project.

>

> Please click on the amendment form and return prior to expiry of the approval and have the new person S4(1)(a) sign the amendment form, provide updates of other persons and request an extension of time. I will be able to forward your amendment to the Wildlife Ethics Executive Committee to review and approve.

>

> Click on the link to access the minor amendment form:

> [https://www.environment.sa.gov.au/files/sharedassets/public/plants\\_and\\_animals/aec-minor-amendment-form.docx](https://www.environment.sa.gov.au/files/sharedassets/public/plants_and_animals/aec-minor-amendment-form.docx)

>

> When the committee approves the amendment, I will add S4(1)(a) to the approval (apologies that it was missed).

>

> Cheers

> S4(1)(a)

>

>

> Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.  
> Science, Information and Technology Branch | Strategy Science and Corporate Services Division  
> Department for Environment and Water  
> P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
> Website: Wildlife Ethics Committee  
> GPO Box 1047 Adelaide SA 5001 AUSTRALIA

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> -----Original Message-----

> From: S4(1)(a)  
> Sent: Tuesday, 11 May 2021 4:13 PM  
> To: DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>  
> Cc: Andrew Curran S4(1)(a)  
> S4(1)(a)  
> Subject: Southern Launch ethics approval

> Hi S4(1)(a)

> A few things have arisen that we thought we should flag now given that the next meeting of the committee is imminent. Apologies for not corresponding prior to the submission deadline of 27 April but some of the issues have only just come to our attention.

> Firstly, the approval expires on 31 May. Due to delays with other approvals, the launch window is now 1-20 July, so we would need a change to the expiry date. It has been suggested that 31 December would be in line with the related approvals and provide some flexibility if there is further delay - would that be appropriate, noting that we would be providing an email summary report of the findings revealed on S8(1) S8(1) as soon as possible after the launch.

> Secondly, S4(1)(a) Our application included S4(1)(a) - could he be added to the relevant approval condition? We assume that neither he nor S4(1)(a) would need to do the wildlife users training because they already have appropriate training/qualification?

> Also, we listed S4(1)(a), but he was not listed in the approval conditions.

> Notwithstanding that, the desire is now for that function to be undertaken by Andrew Curran or Shane Bennett (who is an SL employee). Is it possible to include one or both (as alternatives) in the approval conditions (Andrew is only listed in relation to launch aspects)? We understand that whoever went would have to undertake the wildlife users training.

> Regards

> S4(1)(a)

## **Approval to use animals For the Purpose of Research, Teaching or Experimentation involving animals**

This amendment to the original approval authorises Andrew Curran from Southern Launch to use animals for the purposes of research in project number 9/2021 *Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex*, pursuant to Part 4 of the *Animal Welfare Act 1985* (the Act). This approval is valid from 08/04/2021 through to 31/12/2021.

### **General conditions**

1. The applicant must provide the Wildlife Ethics Committee with such information in relation to research involving animals as the Wildlife Ethics Committee may request pursuant to section 19(1) (d) of the Act.
2. The applicant must answer such questions in relation to teaching, research or experimentation involving animals as may be put by the Wildlife Ethics Committee pursuant to section 19(1)(e) of the Act.
3. A report on any unexpected adverse events or deaths which may occur whilst undertaking the project. Such events should be advised by email or phone to the Executive Officer of the Wildlife Ethics Committee immediately and, if an animal has died, a necropsy performed to determine the cause of death.
4. The applicant must provide to the Wildlife Ethics Committee, as soon as reasonably practical, such information as requested by the committee, including, but not limited to;
  - a. Statistical information on numbers of animals used each calendar year (this includes all animals trapped and released).
  - b. A final report at the conclusion of the research project.
5. Appropriate care, housing and handling of animals must be maintained at all times.
6. Appropriate post-procedural care, including required veterinary treatment must be provided for animals at all times.
7. Animals must be treated humanely and in accordance with the *Act* and *Animal Welfare Regulations 2012*.
8. The acquisition, use (including all procedures) and care of animals for the research is, pursuant to s19(2)(f) of the Act, subject to compliance with Parts 1 - 6 of the *Australian code for the care and use of animals for scientific purposes, 8<sup>th</sup> Edition 2013*. National Health and Medical Research Council Australian Research Council.
9. This approval is limited to those procedures, animal species, number of animals and locations as described in project number 9/2021 *Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex* and this amendment 9/2021M1.



**An amendment to the original approval was approved 25/05/2021.**

**All persons participating in field work listed on this approval must complete an online wildlife users training module. Executive Officer will notify S4(1)(a) when the training is available online.**

Request for an extension of time – original expiry date 31/05/2021 and new expiry date 31/12/2021.

Additional persons approved:

S4(1)(a)

### **Special Conditions**

**The Committee request an email summary report of the findings revealed on camera footage after the first launch be reported immediately.**

**All persons participating in field work listed on this approval must complete an online wildlife users training module. Executive Officer will notify S4(1)(a) when the training is available online.**

- The following personnel may participate in the research project:

Andrew Curran – Launch aspects

S4(1)(a)

- The following animals and number of animals may be used in the research project:

Common Name	Scientific Name	Numbers	Age or Size	Numbers
Long-nosed fur Seal (LNFS)	<i>Arctocephalus forsteri</i>	Up to 9000	All ages male and female	As observed Liguanea Island
Australian Sea Lion	<i>Neophoca cinerea</i>	Approximately 165	All ages male and female	As observed Liguanea Island

- The following procedures may be undertaken in the research:

The test rocket launch will result in elevated noise levels for less than two minutes.

S8(1)

During the launch seals on Liguanea Island (and possibly some at Cape Wiles on the mainland) will experience elevated noise levels (likely less than 90 dB) for less than two minutes. The seals will not experience a sonic boom.

#### **Adverse events including negative impacts**

Any animals that die or are injured or as a direct result of this project must be reported immediately to the Committee and a full adverse report must be completed. Southern Launch must not undertake the second launch if <sup>S8(1)</sup> reveals that there are adverse reactions to the first launch.

[https://www.environment.sa.gov.au/files/sharedassets/public/plants\\_and\\_animals/aec-incident-report-form.docx](https://www.environment.sa.gov.au/files/sharedassets/public/plants_and_animals/aec-incident-report-form.docx)

#### **Location of research**

Locations (Nearest Named Place)	
Launch at Whalers Way (Port Lincoln) - Rocket launch with potential for behavioural impacts on LNFS on Liguanea Island	
Liguanea Island -	<sup>S8(1)</sup>

- If an animal is injured as a direct result of the launch then the animal is to be treated by a veterinarian as stated in researcher submission.

S4(1)(a)

EXECUTIVE OFFICER On behalf of the Wildlife Ethics Committee

**Date of reissue: 28/05/2021**

Department for Environment and Water

[DEW.WildlifeEthicsCommittee@sa.gov.au](mailto:DEW.WildlifeEthicsCommittee@sa.gov.au)



**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Sent:** Friday, 28 May 2021 10:57 AM  
**To:** Andrew Curran  
**Cc:** DEW:Wildlife ETHICS Committee  
**Subject:** RE: Southern Launch ethics approval

Andrew

It is a pleasure, enjoy the weekend and I look forward to receiving your report summary on your first launch.

Cheers

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Environmental and Information Team | Information Management Unit  
 Science, Information & Technology Branch  
 Department for Environment and Water  
 P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)  
 Website: [Wildlife Ethics Committee](#)  
**Level 1** 81 Waymouth Street ADELAIDE  
 GPO Box 1047 Adelaide SA 5001 AUSTRALIA  
[environment.sa.gov.au](http://environment.sa.gov.au) | [envirodata.sa.gov.au](http://envirodata.sa.gov.au)



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For Official Use Only  
 Classified by andrew.curran@southernlaunch.space

**From:** Andrew Curran S4(1)(a)  
**Sent:** Friday, 28 May 2021 10:28 AM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>; S4(1)(a)  
**Cc:** S4(1)(a)  
**Subject:** RE: Southern Launch ethics approval [DLM=For-Official-Use-Only]

Many, many thanks S4(1)(a)

Really appreciate your work and assistance

Regards

Andrew Curran  
 General Manager - Infrastructure

e: S4(1)(a)

m:

[www.southernlaunch.space](http://www.southernlaunch.space)

The content of this email is confidential and intended for the recipient specified in message only. It is strictly forbidden to share any part of this message with any third party, without a written consent of the sender. If you received this message by mistake, please reply to this message and follow with its deletion, so that we can ensure such a mistake does not occur in the future.

---

**From:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

**Sent:** Friday, May 28, 2021 8:58 AM

**To:** S4(1)(a); DEW:Wildlife ETHICS Committee  
<[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

**Cc:** Andrew Curran S4(1)(a)

**Subject:** RE: Southern Launch ethics approval [DLM=For-Official-Use-Only]

### For Official Use Only

Good morning S4(1)(a)

The Wildlife Ethics Executive have reviewed your request for an extension of time and additional persons for project *9/2021 Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex*.

The Committee has approved the amendment and are looking forward to receiving a summary report of your findings after the first launch.

All the best for your research.

S4(1)(a)

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---

**From:** S4(1)(a)  
**Sent:** Monday, 24 May 2021 2:09 PM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Cc:** Andrew Curran S4(1)(a)  
**Subject:** Re: Southern Launch ethics approval [DLM=For-Official-Use-Only]

Hi S4(1)(a)

Please find attached a minor amendment form describing an urgent modification that we require for the Southern Launch test launch project prior to its expiry on 31 May 2021.

There are two types of changes sought - expiry date and personnel. For the expiry date, other approvals have taken longer than expected and delayed the first launch. This is now scheduled for July, but we are seeking an end-of-year expiry to allow for further delay and subsequent test launches. For personnel, S4(1)(a) S4(1)(a), who also has the appropriate experience and ethics training. We are not seeking to remove S4(1)(a) as he may still potentially be involved, depending on timing. Other changes to personnel are that SL no longer seek to use S4(1)(a) (so his omission from the approval document is not a problem) but the role of setting up S8(1) would be undertaken by Andrew Curran or Shane Bennett. Andrew is already on the approval (as manager of rocket launch) but I've added this new role, as well as adding Shane as a new participant. We understand that whoever of them goes will have to complete the animal ethics training that you referred to in an earlier email, but assume that would not be the case for S4(1)(a) who has already completed appropriate training.

Please let me know if there are any problems with the above.

Regards

S4(1)(a)

(on behalf of Southern Launch)

On 14/05/21 8:47am, DEW:Wildlife ETHICS Committee wrote:

> For Official Use Only

>

>

> Hi S4(1)(a)

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>

> When the committee approves the amendment, I will add S4(1)(a) to the approval (apologies that it was missed).

>

> Cheers

> S4(1)(a)

>

>

> Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

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>

>

>

> -----Original Message-----

> From: S4(1)(a)

> Sent: Tuesday, 11 May 2021 4:13 PM

> To: DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

> Cc: Andrew Curran S4(1)(a)

> S4(1)(a)

> Subject: Southern Launch ethics approval

>

> Hi S4(1)(a)

>

> A few things have arisen that we thought we should flag now given that the next meeting of the committee is imminent. Apologies for not corresponding prior to the submission deadline of 27 April but some of the issues have only just come to our attention.

>

> Firstly, the approval expires on 31 May. Due to delays with other approvals, the launch window is now 1-20 July, so we would need a change to the expiry date. It has been suggested that 31 December would be in line with the related approvals and provide some flexibility if there is further delay - would that be appropriate, noting that we would be providing an email summary report of the findings revealed S8(1) as soon as possible after the launch.

>

> Secondly, S4(1)(a)

S4(1)(a) as an alternative - could he be added to the relevant approval condition? We assume that neither he nor S4(1)(a) would need to do the wildlife users training because they already have appropriate training/qualification?

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> Also, we listed S4(1)(a), but he was not listed in the approval conditions.

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conditions (Andrew is only listed in relation to launch aspects)? We understand that whoever went would have to undertake the wildlife users training.

>

> Regards

>

> S4(1)(a)

>

>

>



**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Sent:** Friday, 18 June 2021 4:07 PM  
**To:** S4(1)(a); DEW:Wildlife ETHICS Committee  
**Cc:** 'Andrew Curran'  
**Subject:** RE: Wildlife Ethics Committee approval

**For Official Use Only**

Andrew

At the moment it is with management and not on line, I will email you to notify everyone to undertake the online training when available externally.

Cheers

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

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 Department for Environment and Water  
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 Website: [Wildlife Ethics Committee](#)

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---

**From:** S4(1)(a)  
**Sent:** Friday, 18 June 2021 3:32 PM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Cc:** 'Andrew Curran' S4(1)(a)  
**Subject:** Re: Wildlife Ethics Committee approval [DLM=For-Official-Use-Only]

Hi S4(1)(a)

In regards to the following condition:

All persons participating in field work listed on this approval must complete an online wildlife users training module. Executive Officer will notify S4(1)(a) when the training is available online.

Do you have any idea of when the training may become available online?

Regards

On 13/04/21 1:50pm, DEW:Wildlife ETHICS Committee wrote:

**For Official Use Only**

Hi Andrew and S4(1)(a)

The Wildlife Ethics Committee have approved your application for project *9/2021 Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex*.

The Committee request an email summary report of the findings revealed S8(1) after the first launch be reported immediately.

Please refer to the additional conditions on the attached wildlife ethics approval attached.

All the best for your research.

Regards

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Environmental and Information Team | Information Management Unit  
Science, Information & Technology Branch  
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**From:** S4(1)(a)  
**Sent:** Tuesday, 13 April, 2021 11:09 AM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Subject:** Re: ethics committee result [DLM=For-Official-Use-Only]

Many thanks S4(1)(a) and good to meet you through the process

Regards

S4(1)(a)

On 13/04/21 10:41am, DEW:Wildlife ETHICS Committee wrote:

**For Official Use Only**

Hi Everyone  
The Wildlife Ethics Committee have reviewed your submissions and have approved them.

The approvals will be issued by close of business today.

I have notified Research permits that the projects have been approved.

All the best for your research.

Kind Regards

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

Environmental and Information Team | Information Management Unit  
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---

**From:** Andrew Curran S4(1)(a)  
**Sent:** Friday, 9 April, 2021 4:24 PM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Subject:** ethics committee result

Hello S4(1)(a)

Any indication as to when we might have a decision from the committee?

Regards

**Andrew Curran**  
General Manager - Infrastructure

---

**Southern Launch**

m: S4(1)(a)

e:

[www.southernlaunch.space](http://www.southernlaunch.space)



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**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Sent:** Friday, 18 June 2021 4:08 PM  
**To:** S4(1)(a) (DEW)  
**Cc:** S4(1)(a) (DEW)  
**Subject:** S4(1)(a) confirmation received from researcher conducting seal observations

**For Official Use Only**

Hi S4(1)(a)

For noting.

Cheers

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

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---

**From:** S4(1)(a)  
**Sent:** Friday, 18 June 2021 3:28 PM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>; Andrew Curran  
**Subject:** Re: Confirmation required from Wildlife Ethics Committee seeing acknowledgement that report of findings be received immediately after the footage [DLM=For-Official-Use-Only]

Hi S4(1)(a),

we can confirm that we will send the summary of the seal behaviour that you refer to below as soon as possible after the initial launch and prior to any subsequent launches.

On 18/06/21 1:17pm, DEW:Wildlife ETHICS Committee wrote:

**For Official Use Only**

Hi Andrew and S4(1)(a)

The Wildlife Ethics Committee are seeking an acknowledgment that you will email a summary of the seal behaviour observed S4(1)(a) as soon as possible after the initial launch and prior to any subsequent launches.

Seeking confirmation please.

Regards

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays

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Department for Environment and Water  
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---

**From:** DEW:Wildlife ETHICS Committee [<mailto:DEW.WildlifeETHICSCommittee@sa.gov.au>]

**Sent:** Friday, 28 May 2021 8:58 AM

**To:** S4(1)(a); DEW:Wildlife ETHICS Committee  
<[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

**Cc:** S4(1)(a)

S4(1)(a)

**Subject:** RE: Southern Launch ethics approval [DLM=For-Official-Use-Only]

### For Official Use Only

Good morning S4(1)(a)

The Wildlife Ethics Executive have reviewed your request for an extension of time and additional persons for project 9/2021 Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex.

The Committee has approved the amendment and are looking forward to receiving a summary report of your findings after the first launch.

All the best for your research.

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays

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Website: [Wildlife Ethics Committee](http://Wildlife Ethics Committee)



**SOUTH**  
AUSTRALIA



**Government of South Australia**  
Department for Environment  
and Water

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**From:** S4(1)(a)  
**Sent:** Monday, 24 May 2021 2:09 PM  
**To:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Cc:** Andrew Curran S4(1)(a)  
S4(1)(a)  
**Subject:** Re: Southern Launch ethics approval [DLM=For-Official-Use-Only]

Hi S4(1)(a)

Please find attached a minor amendment form describing an urgent modification that we require for the Southern Launch test launch project prior to its expiry on 31 May 2021.

There are two types of changes sought - expiry date and personnel. For the expiry date, other approvals have taken longer than expected and delayed the first launch. This is now scheduled for July, but we are seeking an end-of-year expiry to allow for further delay and subsequent test launches. For personnel, S4(1)(a) S4(1)(a), who also has the appropriate experience and ethics training. We are not seeking to remove S4(1)(a) as he may still potentially be involved, depending on timing. Other changes to personnel are that SL no longer seek to use S4(1)(a) (so his omission from the approval document is not a problem) S8(1) S8(1) would be undertaken by Andrew Curran or Shane Bennett. Andrew is already on the approval (as manager of rocket launch) but I've added this new role, as well as adding Shane as a new participant. We understand that whoever of them goes will have to complete the animal ethics training that you referred to in an earlier email, but assume that would not be the case for S4(1)(a) who has already completed appropriate training.

Please let me know if there are any problems with the above.

Regards

S4(1)(a)

(on behalf of Southern Launch)



On 14/05/21 8:47am, DEW:Wildlife ETHICS Committee wrote:

> For Official Use Only

>

>

> Hi S4(1)(a)

>

> You will need to complete an amendment form and request an urgent modification to a project.

>

> Please click on the amendment form and return prior to expiry of the approval and have the new person S4(1)(a) sign the amendment form, provide updates of other persons and request an extension of time. I will be able to forward your amendment to the Wildlife Ethics Executive Committee to review and approve.

>

> Click on the link to access the minor amendment form:

> [https://www.environment.sa.gov.au/files/sharedassets/public/plants\\_and\\_animals/aec-minor-amendment-form.docx](https://www.environment.sa.gov.au/files/sharedassets/public/plants_and_animals/aec-minor-amendment-form.docx)

>

> When the committee approves the amendment, I will add S4(1)(a) to the approval (apologies that it was missed).

>

> Cheers

> S4(1)(a)

>

>

> Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee)  
Tuesdays, Thursday and Fridays.

> Science, Information and Technology Branch | Strategy Science and Corporate Services  
Division

> Department for Environment and Water

> P (08) 8463 6851 | E-mail: [DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)

> Website: Wildlife Ethics Committee

> GPO Box 1047 Adelaide SA 5001 AUSTRALIA

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>

>

> -----Original Message-----

> From: S4(1)(a)

> Sent: Tuesday, 11 May 2021 4:13 PM

> To: DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

> Cc: Andrew Curran S4(1)(a)

> S4(1)(a)

> Subject: Southern Launch ethics approval

>

> Hi S4(1)(a)

>

> A few things have arisen that we thought we should flag now given that the next meeting of the committee is imminent. Apologies for not corresponding prior to the submission deadline of 27 April but some of the issues have only just come to our attention.

>

> Firstly, the approval expires on 31 May. Due to delays with other approvals, the launch window is now 1-20 July, so we would need a change to the expiry date. It has been suggested that 31 December would be in line with the related approvals and provide some flexibility if there is further delay - would that be appropriate, noting that we would be providing an email summary report of the findings revealed <sup>S8(1)</sup> as soon as possible after the launch.

>

> Secondly, <sup>S4(1)(a)</sup>. Our application included <sup>S4(1)(a)</sup> as an alternative - could he be added to the relevant approval condition? We assume that neither he nor <sup>S4(1)(a)</sup> would need to do the wildlife users training because they already have appropriate training/qualification?

>

> Also, we listed <sup>S4(1)(a)</sup>, but he was not listed in the approval conditions.

> Notwithstanding that, the desire is now for that function to be undertaken by Andrew Curran or Shane Bennett (who is an SL employee). Is it possible to include one or both (as alternatives) in the approval conditions (Andrew is only listed in relation to launch aspects)? We understand that whoever went would have to undertake the wildlife users training.

>

> Regards

>

> <sup>S4(1)(a)</sup>

>

>

>

## MINUTES WILDLIFE ETHICS COMMITTEE

Minute for meeting 15<sup>th</sup> July 2021

**Adelaide Zoo Training Room 2pm start**

### 1. **WELCOME**

S4(1)(a)

Chairperson  
Category A  
Category B  
Category C  
Category D  
Category D  
Category E  
Executive Officer

manager present as an observer.

### 2. **APOLOGIES**

S4(1)(a)

Category A  
Category A  
Category B  
Category B  
Category B  
Category C  
Category D  
Category D  
Category E  
Category E

Not relevant to Applicant's request

Not relevant to Applicant's request





Not relevant to Applicant's request



Not relevant to Applicant's request



Not relevant to Applicant's request



**5.0. EXECUTIVE MATTERS (Urgent out of session matters addressed by Executive Committee between meetings).**

5.1. Andrew Curran project 9/2021M1 Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex.  
Amendment for extension of time and additional persons added.

Executive Committee approved this amendment.

**WEC ratified.**

Not relevant to Applicant's request



Not relevant to Applicant's request



Not relevant to Applicant's request



Not relevant to Applicant's request





Not relevant to Applicant's request



11.3 Southern Launch featured in media, both projects that were reviewed and approved by The Wildlife Ethics Committee were sent email notification reminders that an email summary is required after the initial test launch.

Confirmation received from both researchers stating that they will provide the committee a summary of their findings as soon as possible after the initial launch and prior to any subsequent launches.

Not relevant to Applicant's request



**From:** Andrew Curran S4(1)(a)  
**Sent:** Friday, 27 August 2021 3:46 PM  
**To:** DEW:Wildlife ETHICS Committee  
**Subject:** RE: Andrew Curran - ethics course [SEC=OFFICIAL]  
**Attachments:** image009\_wmz; image011\_wmz

Hello S4(1)(a)

Don't worry about it. I have completed the course.

Could I make a suggestion? There was so much stuff in there for biology students and professionals which (to be blunt) I knew nothing about, I will never deal with in my life and was totally irrelevant to what we are doing on the island. I believe a far shorter course designed for people who will not interact with the subject animals would be helpful

Have a wonderful weekend

Regards

Andrew Curran  
 BEng (Hons) MIEAust MAIPM  
 General Manager – Infrastructure



e: S4(1)(a)

m:

[www](#)



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**From:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Sent:** Friday, August 27, 2021 2:27 PM  
**To:** Andrew Curran S4(1)(a)  
**Cc:** DEW:Wildlife ETHICS Committee <DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Subject:** RE: Andrew Curran - ethics course [SEC=OFFICIAL]

OFFICIAL

Hi Andrew

I will take your email to the next WEC meeting for discussion.

Will get back to you with a response.

Cheers  
S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

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Strategy, Science and Corporate Services  
Department for Environment and Water  
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Website: [Wildlife Ethics Committee](http://Wildlife Ethics Committee)  
**Level 1** 81 Waymouth Street ADELAIDE  
GPO Box 1047 Adelaide SA 5001 AUSTRALIA  
**[environment.sa.gov.au](http://environment.sa.gov.au) | [envirodata.sa.gov.au](http://envirodata.sa.gov.au)**



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---

**From:** Andrew Curran S4(1)(a)  
**Sent:** Friday, 27 August 2021 12:14 PM  
**To:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>  
**Subject:** Andrew Curran - ethics course

Hello S4(1)(a)

Im curious as to the reasoning as to why I need to undertake this course. I will be on the island for maybe 30 minutes under the supervision of S4(1)(a). Im not setting up equipment and will not be going anywhere near the animals. I have not developed the testing methodology as that was done by subject matter experts. I will not be going anywhere near the animals and am only going on the island to take some photos of the terrain.

The requirement for me to undertake the course seems incredibly arbitrary. If it was an hour, I would not question it. Considering that it takes a stated 3 to 4 hours, which im concerned will end up being more like 5 hours, it seems rather pointless and bureaucratic.

Im also confused as to what sections I am supposed to be undertaking. Do I only do part of phase 1, all of phase 1 or do phases 2, 3 and 4 need to be undertaken as well?

Your thoughts would be appreciated.

Regards

Andrew Curran  
BEng (Hons) MIEAust MAIPM  
General Manager – Infrastructure

e: S4(1)(a)

m:

[www.southernlaunch.space](http://www.southernlaunch.space)



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# ANZCCART ComPass Animal Welfare Training

This is to certify that

**Andrew Curran**

has successfully completed the ANZCCART ComPass Animal Welfare basic training course.

This certificate was generated on **August 27, 2021**

Phase 1 Core Training

anzccart  
H U M A N E   S C I E N C E

ComPass

ANZCCART Competency Passport



THE UNIVERSITY  
of ADELAIDE

**From:** S4(1)(a)  
**Sent:** Friday, 27 August 2021 4:56 PM  
**To:** DEW:Wildlife ETHICS Committee  
**Subject:** Re: Wildlife Ethics Committee approval  
**Attachments:** compass-animal-welfare-training-certificate-S4(1)(a).pdf

Hi S4(1)(a)

I know that Andrew has let you know that he has completed the training - and I have too (see attached)

Regards

S4(1)(a)

On 10/08/21 3:49pm, DEW:Wildlife ETHICS Committee wrote:

**For Official Use Only**

Hi S4(1)(a) if you and Andrew Curran complete the ANZCCART training, that should suffice.  
<https://anzccart.adelaide.edu.au/compass>  
 Let me know when you have completed this.

Cheers

S4(1)(a)

Wildlife Ethics Committee Executive Officer (On behalf of the Wildlife Ethics Committee) Tuesdays, Thursday and Fridays.

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**From:** S4(1)(a)  
**Sent:** Tuesday, 10 August 2021 3:42 PM  
**To:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>  
**Subject:** Re: Wildlife Ethics Committee approval [DLM=For-Official-Use-Only]  
 Thanks S4(1)(a)  
 What happens if it's not available before the launch?

On 10 Aug 2021, at 15:25, DEW:Wildlife ETHICS Committee  
 <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)> wrote:

For Official Use Only

Hi S4(1)(a)

The online training is not available yet.  
I will notify you when it does become available.

Cheers

S4(1)(a)

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<image001.png>

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**From:** S4(1)(a)

**Sent:** Tuesday, 10 August 2021 1:40 PM

**To:** DEW:Wildlife ETHICS Committee <[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>

**Subject:** Re: Wildlife Ethics Committee approval [DLM=For-Official-Use-Only]

Hi S4(1)(a)

Is it likely to become available over the next few weeks?

Regards

S4(1)(a)

On 18/06/21 4:07pm, DEW:Wildlife ETHICS Committee wrote:

For Official Use Only

Andrew

At the moment it is with management and not on line, I will email  
you to notify everyone to undertake the online training when  
available externally.

Cheers

S4(1)(a)

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Department for Environment and Water

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Website: [Wildlife Ethics Committee](#)

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<image001.png>

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**From:** S4(1)(a)  
**Sent:** Friday, 18 June 2021 3:32 PM  
**To:** DEW:Wildlife ETHICS Committee  
<DEW.WildlifeETHICSCommittee@sa.gov.au>  
**Cc:** 'Andrew Curran' S4(1)(a)  
**Subject:** Re: Wildlife Ethics Committee approval [DLM=For-Official-Use-Only]

Hi S4(1)(a)

In regards to the following condition:

All persons participating in field work listed on this approval must complete an online wildlife users training module. Executive Officer will notify S4(1)(a) when the training is available online.

Do you have any idea of when the training may become available online?

Regards

S4(1)(a)

On 13/04/21 1:50pm, DEW:Wildlife ETHICS Committee wrote:

**For Official Use Only**

Hi Andrew and S4(1)(a)  
The Wildlife Ethics Committee have approved your application for project 9/2021 *Noise and seal behaviour monitoring on Liguanea Island during trial rocket launch for proposed Whalers Way Orbital Launch Complex*.  
The Committee request an email summary report of the findings revealed S8(1) after the first launch be reported immediately.

Please refer to the additional conditions on the attached wildlife ethics approval attached.

All the best for your research.

Regards

S4(1)(a)

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Science, Information & Technology Branch

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**From:** S4(1)(a)  
**Sent:** Tuesday, 13 April, 2021 11:09 AM  
**To:** DEW:Wildlife ETHICS Committee  
<[DEW.WildlifeETHICSCommittee@sa.gov.au](mailto:DEW.WildlifeETHICSCommittee@sa.gov.au)>  
**Subject:** Re: ethics committee result [DLM=For-Official-Use-Only]

Many thanks S4(1)(a) and good to meet you through the process

Regards

S4(1)(a)

On 13/04/21 10:41am, DEW:Wildlife ETHICS Committee wrote:

### For Official Use Only

Hi Everyone  
The Wildlife Ethics Committee have reviewed your submissions and have approved them.  
The approvals will be issued by close of business today.  
I have notified Research permits that the projects have been approved.  
All the best for your research.  
Kind Regards

S4(1)(a)

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<image001.png>

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**From:** Andrew Curran

S4(1)(a)

**Sent:** Friday, 9 April, 2021 4:24 PM

**To:** DEW:Wildlife ETHICS

Committee

<DEW.WildlifeETHICSCommittee@s  
a.gov.au>

**Subject:** ethics committee result

Hello S4(1)(a)

Any indication as to when we might have a decision from the committee?

Regards

**Andrew Curran**

General Manager - Infrastructure

---

**Southern Launch**

m: S4(1)(a)

e:

[www.southernlaunch.space](http://www.southernlaunch.space)

<image003.jpg>

<image003.jpg>

<image003.jpg>

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S4(1)(a)

has successfully completed the ANZCCART ComPass Animal Welfare basic training course.

This certificate was generated on **August 13, 2021**

Phase 1 Core Training

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