

Launch Operator Safety Case Licensing Statement



Safety Case Preparation Guidance and Checklist

The following pages have been developed as a tool to ensure minimum requirements are met when producing a Safety Case which, in accordance with the provisions of Space Industry Regulations 2021 Part 4, Chapter 2, Section 2, Regulation 29 and Schedule 1, must be submitted to the UK Civil Aviation Authority (CAA) as part of the licence application or whenever a change is made.

This licensing statement will guide you through the applicable Space Industry Act, Space Industry Regulations and Guidance Material (GM) that should be considered when writing the Safety Case.

Completion of these licensing statements will also aid a more efficient assessment process, as you can clearly demonstrate to the regulator where (noted in the 'Your Reference' column) you have provided the minimum information. (Please see *Column Explanations* for further clarification.)

The completed statement should be uploaded along with your proposed Safety Case to the CAA Space Regulation Portal.

This document can be iterated throughout the period of the licence and may evolve from the version(s) submitted at application stage. Should this be the case, you will be required to complete and submit further licensing statements whenever a revision is made to your Safety Case.

Applicant/Company Name:		The licensing statement should be completed for each individual part of the Safety Case. The completed statement should be uploaded to the CAA Space Regulation Portal.
Safety Case Date:		
Safety Case Revision No:		
Safety Case Version No:		

Before preparing your safety case, we strongly recommend you thoroughly read the detailed guidance on what is required in a safety case submitted by launch operator.

This can be found in [Section 5 of CAP 2213: Guidance for launch operator and return operator licence applicants and licensees](#) and sets out:

- The purpose of a safety case
- Scope of the safety case
- Information required in the safety case
- General and technical information
- Hazard Identification & accident scenarios: the link between safety analysis and the safety case
- Measures to prevent or limit the consequences of a major accident
- Demonstrating that the risk is ALARP
- Additional matters to take into account when preparing a safety case

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Column Explanations

Safety Case Content: This column describes the minimum information required in the Safety Case.

SIA, SIR or GM Reference: This column provides the references to the relevant and applicable sections of the Space Industry Act, Space Industry Regulations or Guidance Material.

Your Reference: This column is for you to populate. It is important that you clearly identify where you meet the requirements.

Licensee Comment: This column is for you to provide any brief notes of further information, details of the status of your documents etc that you believe will be useful. You do not need to repeat information you have provided a reference for.

CAA Comment: This column is for CAA use only.

The following are general requirements that must be achieved to comply with the Space Industry Regulations 2021:

Part 4, Chapter 2, Section 2; 29

(1) On making an application for a launch operator licence or a return operator licence, an applicant must give the regulator a safety case that includes—

- (a) the information about the applicant and the applicant's proposed spaceflight activities listed in paragraphs 1 to 10 of Schedule 1;
- (b) the technical particulars listed in paragraphs 11 to 17 of Schedule 1;
- (c) the outcomes of each of the steps taken as part of the flight safety analysis required by regulation 26(1);
- (d) the outcomes of each of the steps taken as part of the ground safety analysis required by regulation 27;
- (e) any measures that the applicant considered but does not intend to implement to prevent, or to control or mitigate the consequences of, an identified hazard, and an explanation of why it was not reasonably practicable to implement those measures;
- (f) a description of any consultation with, or involvement in the preparation of the safety case of—
 - (i) representatives of the applicant's workforce;
 - (ii) a proposed spaceport licensee;
 - (iii) proposed range control service providers.

(2) If the applicant revises the safety case after giving it to the regulator, the applicant must give the regulator the revised safety case without delay.

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Safety Case Content	SIA, SIR or GM Reference	Your Reference	Licensee Comment	CAA Comment
0 ADMINISTRATION AND CONTROL OF SAFETY CASE				
0.1 System of amendment and revision (a) Details of the person(s) responsible for the issuance and insertion of amendments and revisions. (b) A record of amendments and revisions with insertion dates and effective dates. (c) A statement that handwritten amendments and revisions are not permitted, except in situations requiring immediate amendment or revision in the interest of safety. (d) A description of the system for the annotation of pages or paragraphs and their effective dates. (e) A list of effective pages or paragraphs. (f) Annotation of changes (in the text and, as far as practicable, on charts and diagrams). (g) Temporary revisions. (h) A description of the distribution system for the manuals, amendments, and revisions.	Part 4, Chapter 2, Section 2; 29(2)			

Safety Case Content	SIA, SIR or GM Reference	Your Reference	Licensee Comment	CAA Comment
1 ORGANISATION AND MANAGEMENT SYSTEM				
1.1 Organisation and Management Structure A description of the organisational structure, including the general organogram and operations departments' organograms. The organogram should depict the relationship between the operations departments and the other departments of the operator. In particular, the subordination	Part 8, Chapter 4, Section 2; 84 Schedule 1; 2(a) SOM Licensing Statement 1.1			

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and reporting lines of all divisions, departments, etc, which pertain to the safety of flight operations, should be shown.				
1.2 Identification of Safety Critical Roles The requirement of each safety critical role is described in Part 8, Chapter 4, Section 3; 86, 87, 88 and 89.	Part 8, Chapter 4, Section 3; 86, 87, 88 and 89 Schedule 1; 6			
1.3 Safety Management System (SMS) Details of the applicant's safety management system for the proposed spaceflight activities. The requirement for SMS is set out in Part 8, Chapter 4, Section 2; 85 and Schedule 4.	Part 8, Chapter 4, Section 2; 85 Schedule 1; 7 Schedule 4 SOM Licensing Statement 2 Guidance 5.30, 5.31			
1.4 Safety Operations Manual (SOM) (a) An applicant must produce a safety operations manual that fulfils the requirements of regulation 90 and Schedule 5. (b) When producing the safety operations manual, the applicant must— (i) take into account the outcomes of the steps taken under 28(1). (ii) consult any proposed spaceport licensee. (iii) consult any proposed range control service provider.	Part 4, Chapter 2, Section 1; 28(3) and (4) Part 8, Chapter 4, Section 4; 90 Schedule 1; 6 SOM Licensing Statement Guidance 4.42 to 4.45			

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Safety Case Content	SIA, SIR or GM Reference	Your Reference	Licensee Comment	CAA Comment
2 SPACEFLIGHT OPERATIONS (LAUNCH VEHICLE OR CARRIER AIRCRAFT)				
2.1 Launch Activities A description of the proposed spaceflight activities including the proposed flight trajectory, any planned orbital parameters for the launch vehicle, any planned orbital parameters for any payload and details of any planned re-entry from orbit by the launch vehicle.	Schedule 1; 1 Guidance 5.20			
2.2 Launch Preparatory Event/Schedule (a) A schedule of the preparatory events mentioned in the ground safety analysis required by regulation 27(2) setting out how long before the launch each preparatory event is intended to take place; (b) The review processes the applicant will use to check— (i) That launch preparations are progressing safely, and (ii) Whether the applicant and any other licensees involved in the launch are ready to commence the launch; (c) A schedule of any safety-critical actions the proposed range control service provider and the proposed spaceport licensee will carry out in preparation for the launch from the time when the launch vehicle or its components arrive at the spaceport or other place from which the launch is to take place.	Schedule 1; 5 Part 8, Chapter 4, Section 6 Guidance 5.21			
2.3 Launch Vehicle or Carrier Aircraft Description Including: (a) Its concept of operations, (b) Any payload or class of payload, and (c) The layout of systems that are part of it.	Schedule 1; 2(b), (c)			
2.4 Launch Location(s) and Key Infrastructure For launch operator licence applicants, identification of the spaceport or other place from which the launch is to take place and the proposed spaceport licensee.	Part 8, Chapter 4, Section 4; 95 Schedule 1; 3			