

DSSR.POP – Payloads and Orbital Permit Regulations **(*** WITHOUT GM & AMC ***)**

POP.100: General Information

POP.110 Payloads and Orbital Permit

- (a) This DSSR Part establishes the requirements for the issue of a Payloads and Orbital Permit Space Safety Authorisation (POP) and establishes the obligations of the applicant for, and holder of, that permit. ► **GM1** ► **GM2**

POP.120 Demonstration of Compliance

- (a) The application for a POP must demonstrate compliance with the requirements of the DSSR.POP regulations. ► **GM**
- (b) The application for a POP may use an authorisation granted by another national or international space authority demonstrate full or partial compliance with the DSSR.POP regulations. ► **GM** ► **AMC1**

POP.130 Duties of the SSA Holder

- (a) The Space Safety Authorisation (SSA) Holder must, for the duration of the space activity: ► **GM** ► **AMC1**
- (1) sustain, and where necessary improve, the safety controls submitted as part of the application for the POP
 - (2) ensure continued compliance with all DSSR.POP requirements.
- (b) The SSA Holder must maintain an exposition that describes how the SSA Holder duties will be executed. ► **AMC1**

POP.140 Liability

- (a) The application for a POP must demonstrate that the assignment of liability for the space activity is understood and accepted by Defence. ► **GM** ► **AMC1**

POP.200: Technical Integrity

POP.210 Engineering Management

- (a) The application for a POP must demonstrate that organisations associated with the design, construction and maintenance of the satellite and/or satellite payload systems employ sound engineering management practices. ► **GM** ► **AMC1**

POP.220 Design

- (a) The application for a POP must demonstrate that all satellite and/or satellite payload systems for which correct operation is critical to safety have been designed to an appropriate level of technical integrity. ► **GM** ► **AMC1**
- (b) The application for a POP must identify all components whose failure or unsafe operation could damage other satellites or harm people, and

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demonstrate that safety risks have been eliminated or otherwise minimised SFARP. ► **GM** ► **AMC1**

POP.230 Verification and Validation

- (a) The application for a POP must demonstrate that the satellite and/or satellite payload system passed all verification and validation requirements for safe launch and operation. ► **GM** ► **AMC1**

POP.240 Cyber Security

- (a) The application for a POP must demonstrate that cyber security controls protecting systems critical to safety have been implemented into the satellite and/or satellite payload system. ► **GM** ► **AMC1**

POP.300: Orbital Safety

POP.310 Orbital Parameters

- (a) The application for a POP must demonstrate that the intended orbit(s) for the satellite are suitable for safe operations. ► **GM** ► **AMC1**
- (b) The applicant for a POP must notify the Defence Space Safety Regulator if changes to the orbital parameters are proposed after submission of the application. ► **GM** ► **AMC1**

POP.320 Spectrum Authorisation

- (a) The application for a POP must demonstrate appropriate radiofrequency spectrum authorisation(s) have been obtained as required to facilitate safe operations. ► **GM** ► **AMC1**

POP.330 Launch Service Provider

- (a) The application for a POP must demonstrate that the Launch Service Provider has demonstrated a capability to safely deliver the satellite to the specified orbit. ► **GM1** ► **GM2** ► **AMC1**

POP.340 Debris Mitigation

- (a) The application for a POP must demonstrate that space debris minimisation controls have been implemented. ► **GM** ► **AMC1** ► **AMC2**

POP.350 Compliance with the Registration Convention

- (a) The application for a POP must provide registration information to the Defence Space Safety Regulator. ► **GM** ► **AMC1**
- (b) The SSA Holder must provide details of any change in orbit or general function to the Regulator. ► **GM** ► **AMC1**

POP.400: Operations

POP.410 Operations Management

- (a) The application for a POP must demonstrate that a system for managing safe satellite and/or satellite payload operations has been implemented.
▶ **GM** ▶ **AMC1** ▶ **AMC2**

POP.420 Personnel Competency

- (a) The application for a POP must demonstrate the establishment and control of personnel competencies necessary for safe operations. ▶ **GM** ▶ **AMC1**

POP.500: Safety Management

POP.510 Safety Management System

- (a) The SSA Holder must establish and maintain a Safety Management System (SMS). ▶ **GM** ▶ **AMC1**

POP.520 Safety Occurrences and Reporting

- (a) The SSA Holder must investigate safety occurrences and take action to address any identified issues. ▶ **GM** ▶ **AMC1**
- (b) The SSA Holder must report any safety occurrence to the Defence Space Safety Regulator. ▶ **GM** ▶ **AMC1**
- (c) Lack of reporting safety occurrences may be grounds for Space Safety Authorisation suspension.
- (d) Reporting must align with a non-punitive generative safety culture.