

SCHEDULE 4

Requirements and matters to be addressed by safety management systems

4. The following matters must be addressed by the safety management system—
 - (a) in relation to the organisation and personnel—
 - (i) the safety roles and responsibilities of personnel involved in the management of major accident hazards at all levels in the organisation,
 - (ii) where relevant, the safety roles and responsibilities of personnel involved in the management of risks to human occupants at all levels in the organisation,
 - (iii) the identification of the training needs of personnel in paragraphs (i) and (ii), and the provision of the training with reference to the training management system the licensee has in place under regulation 58(8),
 - (iv) the measures taken to raise awareness of the purpose and content of the licensee's spaceflight safety policy amongst such personnel,
 - (v) the communication of safety-critical information, and
 - (vi) the involvement of employees and agents involved in the licensed activities, who are important from the point of view of safety;
 - (b) the identification and evaluation of major accident hazards by the adoption and implementation of procedures which—
 - (i) systematically identify those hazards,
 - (ii) assess their likelihood and severity,
 - (iii) take into account human factors in the initiation, prevention, control and mitigation of the consequences of those hazards, and
 - (iv) take into account the security risk assessment;
 - (c) where relevant, the identification and evaluation of risks to human occupants by the adoption and implementation of procedures which—
 - (i) systematically identify the risks to those occupants,
 - (ii) assess their likelihood and severity,
 - (iii) take into account human factors in the initiation, prevention, control and mitigation of the consequences of those risks, and
 - (iv) take into account the security risk assessment;
 - (d) in relation to operational control—
 - (i) the adoption and implementation of procedures which take account of human factors and instructions for—
 - (aa) safe operation including condition monitoring and maintenance of facilities or infrastructure and equipment;
 - (bb) where relevant, safe assembly and integration, including condition monitoring and maintenance of launch vehicles;
 - (ii) the taking into account of available information on best practices for monitoring and control, with a view to reducing the risk of system failure;
 - (e) in relation to the management of change, the adoption and implementation of procedures which take account of human factors, for planning changes to licensed activities or organisational change;
 - (f) in relation to planning for emergencies—

Status: This is the original version (as it was originally made).

- (i) the adoption and implementation of procedures to identify foreseeable emergencies by systematic analysis,
 - (ii) the preparation, testing and review of the emergency response plan, and
 - (iii) the provision of specific training for all personnel working in the licensee's organisation, including relevant subcontracted personnel;
- (g) in relation to monitoring performance, the adoption and implementation of procedures, which must include the matters referred to in paragraph 5, for—
- (i) the ongoing assessment of compliance with the objectives set by the licensee's spaceflight safety policy and safety management system, and
 - (ii) the mechanisms for investigation and taking corrective action in case of non-compliance or sub-standard safety performance of the safety management system;
- (h) in relation to audit and review—
- (i) the adoption and implementation of procedures for periodic systematic assessment of the licensee's spaceflight safety policy and the effectiveness and suitability of the safety management system;
 - (ii) the documented review of performance of the safety policy and safety management system and its updating by senior management, including consideration and incorporation of necessary changes indicated by the audit and review.