



1 **Joint Authorities for Rulemaking of Unmanned Systems**

Module - BVLOS / TMPR to complement the BASIC Operations Manual:

- **BVLOS**
- **TMPR**

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21 1. Introduction

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22 This module is intended to complement the Basic Operations Manual. It gives an example on how to describe BVLOS
23 operations and the required TMPRs in accordance to annex A.

24 The operator has to ensure that the BVLOS procedures are reflecting his planned operation.

25 The procedures and TMPRs should be adjusted to reflect the actual UAS operation, however significant care should be
26 directed to the mutual dependency of SORA risk assessment and comprehensive safety portfolio (compliance matrix).

27 The competent authority will review the resulting description of the BVLOS procedures and TMPRs in the process of
28 reviewing the application in accordance with the provisions arising from the risk assessment and the respective SAIL. In
29 this process, the implementation of all technical and operational requirements is checked based on the descriptions in
30 the operations manual, or other associated documents as required. The competent authority has the option to request
31 revisions of documents or to ask for additional supporting documentation.

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33 2. Scope of Module - BVLOS

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35 3. Scope

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37 This module provides an example for the operations in BVLOS:

38 • Procedures

39 • Technical equipment

40 • External Services and Systems

41 • TMPR

42

43 (a) Module characterisation and conditions

44

45 The characterisation and conditions for this module are summarised in section 3.

46

47 **4. BVLOS**

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48

49 **In Part B, 2**

- 50 • Replace
- 51 *The RPIC ensures that he:*
 - 52 ○ *can keep the UA in VLOS and maintain a thorough visual overview of the surrounding airspace*
 - 53 *in order to avoid any risk of collision with manned or unmanned aircraft,*
 - 54 *with*
 - 55 *The RPIC ensures that he:*
 - 56 ○ *can keep a good situational awareness of the operation and maintains an overview of the*
 - 57 *surrounding airspace by technical means in order to avoid any risk of collision with manned*
 - 58 *or unmanned aircraft*

59

60 **In Part B, 2.7**

- 61 • All procedures should reflect BVLOS operations and might have to be changed accordingly.
- 62 Special care should be taken for take-off and landing as well as manual control.

63

64 **In Part C, 3.1.1.3**

- 65 • Replace section with
- 66 All flights take place under conditions that allow safe operations.

67

68

69 **5. TMPR**

70 Replace Part B 2.5 Procedures for TMPR (Tactical Mitigation Performance Requirement) and Part T 6.2.5
71 TMPR

G

72 **TMPR ARC-a**

73 2.5 Procedures for TMPR (Tactical Mitigation Performance Requirement)

74 *Replace section with:*

75 No TMPR Procedures in use as initial Air Risk Class is ARC-a (no requirements in ARC-a)

76 6.2.5 TMPR

77 *Replace section with:*

78 No technical solution for TMPR is used. Operation in ARC-a only.

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80 **TMPR ARC-b**

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82 *Example is missing for now*

83

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84 **TMPR ARC-c**

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86 *Example is missing for now*

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88 **TMPR ARC-d**

89

90 *Example is missing for now*

91