To,

All Regional Directors,
BCAS

Subject: Security Programme of Remotely Piloted Aircraft System (SPRPAS)

Sir,

This is with reference to BCAS AVSEC Order No. 04/2020 dated 30/07/2020 on the subject cited above, the following directions are hereby issued.

2. DG, BCAS has approved to declassify the AVSEC Order No. 04/2020 dated 30/07/2020 (RESTRICTED) and consequently its uploading in totality, on the relevant websites (BCAS website as well as Digital Sky portal of MoCA) is permitted.

3. Ops (Tech) Division, BCAS Hqrs will coordinate with relevant stakeholders and ensure that provision of a separate node for applying for approval of Security Programme of Remotely Piloted Aircraft System (SPRPAS) is created within the ambit of e-BCAS project and a link is provided on Digital Sky Platform from where the applicants shall get the way forward to apply for the same and the submitted applications are routed to concerned Regional Office. BCAS as we have the system in e-Sahaj application for handling Security Clearance applications at present.

4. Ops division will ensure that due provisions are made in the processing format to enable a system that if all the mandatory fields of Security Programme template are fully filled, mere successful submission of the application should generate an acknowledgement sufficient to be at par with provisional approval of their application.

5. It is also apprised that as of now, DG, BCAS has delegated the power of approval of Security Programme of Remotely Piloted Aircraft System (SPRPAS) to Regional Directors. BCAS, subject to fulfillment of requirement as per the application details submitted by the applicant. This may be reviewed at later stage by Competent Authority, if deemed fit.

Yours faithfully,

(Mukund Mohan)
Joint Director (Policy)

Copy to:

1. Ministry of Civil Aviation,(Kind Attn.: Smt. Garima Singh, Director), Rajiv Gandhi Bhawan, Safdarjung Airport, New Delhi for information.

2. Tech Division, BCAS Hqrs for information and necessary action as per para 3 above. It is also requested that AVSEC Order No. 04/2020 dated 30/07/2020 my be uploaded on running page of the BCAS website for information and necessary action by stakeholders.
AVSEC ORDER – 04/2020

Subject: Security Programme of Remotely Piloted Aircraft System (SPRPAS)

In exercise of powers conferred by Section 5A of the Aircraft Act, 1934 (XXII of 1934), read with rule 3 (b) of the Aircraft (Security) Rules, 2011, Director General, Bureau of Civil Aviation Security (DG, BCAS), for the purpose of the safety of passengers, crew, ground personnel, aircraft, facilities and the general public in all matters relating to safeguarding against acts of unlawful interference with civil aviation, directs that Security Programme of Remotely Piloted Aircraft (SPRPA) which has been prepared to comply with the provisions laid down in ICAO Doc 8973 and security related provisions of NCASP and NQCP, shall be implemented by all Remotely Piloted Aircraft operators except Micro/Nano category, connected with civil aviation operations in India. The model template is available on the BCAS restricted website.

2. In terms of the said provisions, every Remotely Piloted Aircraft System (RPAS) operators shall, with the approval of DG, BCAS or by a Competent Authority as specified by DG, BCAS, make and comply with the Security Programme of Remotely Piloted Aircraft (SPRPA) as per said template and any amendment to such programme shall be made only after the approval of DG, BCAS or by a Competent Authority as specified by DG, BCAS. No Remotely Piloted operator shall be allowed to commence its operations in India unless its Security Programme of Remotely Piloted Aircraft (SPRPA) has been approved by the DG, BCAS or by a Competent Authority as specified by DG, BCAS.

3. The Security Programme of Remotely Piloted Aircraft (SPRPA) shall be valid for a period of five (05) years and it shall be updated in accordance with the security directions issued by the DG, BCAS from time to time. Before expiry, a revised Security Programme of Remotely Piloted Aircraft (SPRPA) in respect of the concerned Remotely Piloted operator shall be submitted at least three months in advance for further approval process.
4. The RPAS Owner/Operator shall apply online for the approval of the Security Programme on Digital Sky portal, as envisaged by Ministry of Civil Aviation.

5. This AVSEC Order will supersede AVSEC Order No 10/2018 with immediate effect.

6. Any violation of this AVSEC Order shall attract penalty under Section 11-A of the Aircraft Act 1934.

Distribution:
As per standard list attached

(Rakesh Asthaana, IPS)
Director General,
Bureau of Civil Aviation Security

30.7.2020
CHAPTER-1
PRIMARY OBJECTIVE

The primary objective of remotely piloted aircraft operator/owner Security Programme is to ensure the protection and safety of passengers, crew, ground personnel, the general public, aircraft and facilities of an airport serving civil aviation, against acts of unlawful interference perpetrated on the ground or in flight, through regulations, practices and procedures which take into account the safety, regulatory and efficiency of flights.

CHAPTER-2
GENERAL

2.1 As per Chicago Convention, to which India is a signatory, unmanned aircraft system (UAS) is a component of the aviation system. All UAS whether remotely piloted aircraft, fully autonomous or a combination thereof are aircraft. Existing SARPs of Annex-17 and Doc 8973 of ICAO apply to all Aircrafts and Aircraft owners.

2.2 RPAS is one subset of UAS. A remotely piloted aircraft (RPA), its associated remote pilot station(s), the required command and control links and any other components, as specified in the type design shall constitute a remotely piloted aircraft system (RPAS).

Civil RPA is categorized in accordance with MTOW (including payload) as indicated below:

Nano
- Less than or equal to 250 grams.

Micro
- Greater than 250 grams and less than or equal to 2 kg.

Small
- Greater than 2 kg and less than or equal to 25 kg.

Medium
- Greater than 25 kg and less than or equal to 150 kg.

Large
- Greater than 150 kg.

2.3 Each Remotely Piloted Aircraft System (RPAS) operator/owner should establish implement and maintain an appropriate written Security Programme that meets the requirements of the National Civil Aviation Security Programme (NCASP).
2.4 RPA operator/owner shall submit Security Programme to the concerned office of Regional Director of BCAS with a copy to BCAS HQ online, before operation.

2.5 This Security Programme shall be valid for a period of 5 years. However, the Security Programme shall be updated by the RPAS operator/owner on the basis of security directives issued by the BCAS from time to time. After 5 years, each operator shall submit a revised security programme to BCAS, for renewal.

2.6 BCAS shall be notified immediately, if there are changes in the details provided in the Security Programme.

CHAPTER-3

Owner/Operator Profile & Details of RPAS/UAV/UAS

a. Name of Owner/Operator -
b. Complete Postal address of the owner -
c. Details of Tel, Mob, Fax, E-mail, Web-Mail -
d. Nature of activity,
e. Details of location of Remote Pilot Station and Location where RPAS/UAV is supposed to be stored
f. Concerned Regional Office of BCAS -
g. Copy of Security Clearance given by DGCA to be uploaded.
h. Whether obtained Police background check report from local Police station- (Copy of police background check to be scanned and enclosed)
i. Year of Manufacture and Purchase -
j. Type/Model -
k. Manufacture and Manufacture’s designation of RPAS -
l. Registration Number/UIN of RPAS and Serial Number of RPAS -

CHAPTER-4

PREVENTIVE SECURITY MEASURES

The owner/operator of the RPAS shall undertake to implement following: -

4.1 Implement the standards of NCASP and comply with security measures enumerated in relevant BCAS orders and circulars.
4.2 Access Control: Ensure access control of RPAS and RPA storage area. As RPS is similar in purpose and design to a cockpit, it is understood that it must likewise be secured from sabotage or unlawful malicious interference. Due to the fixed and exposed nature of the remote pilot station (as opposed to the restricted nature of a commercial aeroplane where the intrusion and use of heavier weapons is less likely) further consideration shall be given to the potential vulnerability of the premises against unlawful interference.

4.3 The aircraft itself shall be stored and prepared for flight in a manner that will prevent and detect tampering and ensure the integrity of vital components. Further details concerning protection of aircraft, as provided in (NCASP, Aviation Security Manual and other Regulations on the subject) will also be adhered to.

4.4 Systems for controlling access to the remote pilot station shall be of equal standard to those already in place in the commercial aviation industry, as mentioned in NCASP. Identification technologies such as the use of Biometrics for access control systems may offer a higher degree of security. Furthermore, distinction in access control level shall be considered between the remote pilot stations itself and the premises wherein it resides.

4.5 Cyber Security: The software and data/communication link that provides functions as vital traditional wiring, control cables and other essential systems may utilize diverse hardware and software that may be provided and managed by third parties. Safety and security of these links and services are equally important as those for the aircraft and remote pilot station. Accordingly, it shall be ensured that they are free from hacking, spoofing and other forms/ interference or malicious hijack.

4.6 Permissions: RPAS operator/owner shall obtain relevant permissions from DGCA and local administration including Police, before operation of RPAS.

4.7 AvSec Training: It shall be the responsibility of RPA Owner/Operator to ensure that all staff are duly provided One Day Aviation Security Awareness training online as recommended by BCAS.

4.8 Ensure that CCTV cameras are installed inside RPAS and Storage facility. The capacity to retain recording of minimum 30 days shall be in place for all categories of RPAs except mini and micro.
Security Programme of Remotely Piloted Aircraft System (SPRPAS)

4.9 **Background Check** of Remote Pilot and support personnel (Visual observer, launch crew and recovery crew) shall be carried out following due procedure.

CHAPTER-5
RESPONSIVE MEASURES

5.1 The RPA owner/operator shall also undertake to implement the appropriate responsive measures to ensure that planned counter-measures are commensurate with the risk to operations.

5.2 Incident Reporting: Security incident and security accident shall be reported to Local Police, BCAS Control Room as well as Regional Director, BCAS without unnecessary delay.

CHAPTER-6
UNDERTAKING

I........................................... owner/CSO of ....................... (the authorized Entity), certify that all the pertinent National laws with respect to aviation security in India as well as all extant orders and circulars issued by BCAS in respect of RPA shall be adhered to while operating the RPA.

Signature of CSO/Owner

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