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|  | <b>TANZANIA CIVIL AVIATION AUTHORITY</b><br>DIVISION OF SAFETY REGULATION<br>AERODROMES AND GROUND AIDS | Revision: 1 |
| Document No:<br>TCAA/FRM/SR/AGA - 30  | <b>CHECKLIST FOR ASSESSING WILDLIFE HAZARD MANAGEMENT PLAN</b>  | Page 1 of 9 |

**Applicable under the Tanzania Civil Aviation (Aerodrome) Regulations**

|           |                               |                |  |
|-----------|-------------------------------|----------------|--|
| <b>1.</b> | <b>GENERAL INFORMATION</b>    |                |  |
| 1.1.      | Name of organization          |                |  |
| 1.2.      | Physical address              |                |  |
| 1.3.      | Postal address                |                |  |
| 1.4.      | Phone number                  |                |  |
| 1.5.      | Organization Email            |                |  |
| 1.6.      | Date of inspection/audit      |                |  |
| 1.7.      | Services/operations inspected |                |  |
| 1.8.      | Accountable Manager           | Name           |  |
|           |                               | Designation    |  |
|           |                               | Signature/Date |  |
|           |                               | Mobile number  |  |
| 1.9.      | Wildlife Hazard Manager       | Name           |  |
|           |                               | Designation    |  |
|           |                               | Signature/Date |  |
|           |                               | Mobile number  |  |

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**The plan must include at least the following:**

| REQUIREMENT   | ✓ | COMMENTS TO MEET REQUIREMENT |
|---|---|------------------------------|
| <b>WHMP Contents</b>  |   |                              |
| Brief introduction describes the greatest hazards identified in the Wildlife Hazard Assessment (WHA; ie, the most hazardous species and/or the highest priority attractants/ habitats); See footnote 1 for more info.   |   |                              |
| Plan follows the order of the 139 regulation, with section headings include the regulation language as provided on this checklist   |   |                              |
| Procedures in the Plan are concise and specific including who, what, when, and why, etc   |   |                              |
| <p><i>“(1) A list of the individuals having authority and responsibility for implementing each aspect of the plan.”</i></p> <p>Decision-making roles and responsibilities for implementing the wildlife hazard management plan including: Airport Director, Wildlife Biologist and/or Wildlife Coordinator, Operations Dept., Maintenance Dept., Security Dept., Planning Dept., Finance Dept., ,</p> |   |                              |
| <p>Designation of responsibility for determining and responding to wildlife hazard conditions, for all hours of airport operation. [Ref 139.337 (a), immediate actions, and 139.339c 7, condition reporting, and see 139.337 (f)(5)(iii)]</p>   |   |                              |

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| REQUIREMENT   | ✓ | COMMENTS TO MEET REQUIREMENT |
|---|---|------------------------------|
| <b>WHMP Contents</b>  |   |                              |
| Reference to any mutual agreements on hazardous wildlife attractant coordination such as Wildlife Hazard Working Group membership and mission, agreements with planning and zoning organizations and/or cooperating organizations, cooperative programs with public agencies.   |   |                              |
| <p>“(2) A list prioritizing the following actions identified in the wildlife hazard assessment and target dates for their initiation and completion: (i) Wildlife population management; (ii) Habitat modification; and (iii) Land use changes.”</p> <p>As prioritized in the Wildlife Hazard Assessment or based on ongoing data collection and analysis, long-term species-specific or attractant-specific measures with target dates for completion. <u>Examples:</u> installation of deer-proof fence, grass management strategy, removal of specific attractants, trapping or other population control programs, off-airport cooperative management programs; See footnote 2 for more info</p> <p><u>Note:</u> direct wildlife management (ie, hazing programs) should be listed in (5)iii</p> |   |                              |

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| REQUIREMENT  | ✓ | COMMENTS TO MEET REQUIREMENT |
|--|---|------------------------------|
| <b>WHMP Contents</b>   |   |                              |
| <p><i>“(3) Requirements for and, where applicable, copies of local, State, and Federal wildlife control permits.”</i></p> <p>If lethal control or use of pesticides is part of this Plan, appropriate permits are needed and applicable regulations must be cited.</p> <p><u>Note:</u> Citation of applicable regulations only; transcript of regulations is not necessary</p> |   |                              |
| <p>If wildlife control permits are in place, copies of all permits must be included in ACM and must be current.</p>  |   |                              |
| <p><i>“(4) Identification of resources that the certificate holder will provide to implement the plan.”</i></p> <p>Lists identifying what the airport will supply in terms of: personnel; time; equipment (i.e. radios, vehicle(s), guns, traps); supplies (i.e. shellcrackers, mylar tape);; vehicle(s); sources of supply</p>  |   |                              |
| <p><i>“(5) Procedures to be followed during air carrier operations that at a minimum includes—(i) Designation of personnel responsible for implementing the procedures;”</i></p> <p>Wildlife patrol staffing, position titles, hours of availability, hours of airport operation.</p>  |   |                              |

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| WHMP Contents  |   |                              |
| <p><i>“(ii) Provisions to conduct physical inspections of the aircraft movement areas and other areas critical to successfully manage known wildlife hazards before air carrier operations begin;”</i></p> <p>Routine inspection procedures including documentation of wildlife inspections and observations. These should include daily runway sweeps sufficient to detect and retrieve carcasses (requires several minutes of runway access)[Ref 139.327 (a) 1-3, Self-Inspection Program, if applicable.]</p> |   |                              |
| <p><i>“(iii) Wildlife hazard control measures”</i></p> <p>Procedures for continuous monitoring of wildlife conditions on the airfield during times, seasons, and conditions with potential for wildlife activity as identified in the WHA.</p>   |   |                              |
| <p>Wildlife dispersal procedures including species- or guild-specific procedures for hazardous species identified in the WHA.</p>  |   |                              |
| <p>Specific actions and/or criteria for alternate courses of action for unusually heavy wildlife activity, such as due to weather or migration, and for at-large animals such as loose dogs, livestock, or deer on AOA) [Ref 139.337 (a), immediate actions.”]</p>   |   |                              |
| <p>Any special procedures for wildlife control during periods of heavy air traffic.</p>  |   |                              |

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| <b>WHMP Contents</b>   |   |                              |
| <p><i>“(iv) Ways to communicate effectively between personnel conducting wildlife control or observing wildlife hazards and the air traffic control tower.”</i></p> <p>Training in communication procedures and airfield familiarization [Ref 139.303]</p>   |   |                              |
| Equipment needed, such as radios, cellular phones, lights  |   |                              |
| Reference to mutually agreed-upon procedures for wildlife dispersal that may require runway access or may impact air traffic.  |   |                              |
| Procedures for immediate coordination and response to pilot-reported wildlife strikes or observations  |   |                              |
| Procedures for short-term heavy wildlife activity requiring air carrier notification. [Ref 139.339c 7, condition reporting]  |   |                              |
| <p><i>“(6) Procedures to review and evaluate the wildlife hazard management plan every 12 consecutive months or following an event described in paragraphs (b)(1), (b)(2), and (b)(3) of this section, including: (i) The plan’s effectiveness in dealing with known wildlife hazards on and in the airport’s vicinity and (ii) Aspects of the wildlife hazards described in the wildlife hazard assessment that should be reevaluated.”</i></p> <p>One or more meetings to formally review progress and challenges in implementing the Plan, as documented on the attached worksheet or similar documentation</p> |   |                              |

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| <b>WHMP Contents</b>  |   |                              |
| Any standardized monitoring procedures (ie, wildlife surveys)   |   |                              |
| Procedures for documenting communication, coordination, and prevention of off-airport attractants.  |   |                              |
| Procedures for reviewing and analyzing data (strikes, observations and control actions, and standardized surveys) frequently and long-term, such as for annual review.  |   |                              |
| <p><i>“(7) A training program conducted by a qualified wildlife damage management biologist to provide airport personnel with the knowledge and skills needed to successfully carry out the wildlife hazard management plan required by paragraph (d) of this section.”</i></p> <p>Certification that the training curriculum and instructor meet the requirements of Advisory Circular 150/5200-36, Appendix C</p> |   |                              |
| Procedures to document training participation [Ref 139.303 (c)]   |   |                              |
| Training and documentation procedures to meet any additional training requirements, listed in (f)(3), such as species identification, firearms safety, or pesticide application   |   |                              |

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| <b>Requirement</b>   |                          |   | <b>Comments to meet requirement</b>  |
| <b>Annual 139 inspection items</b>   |                          |   | <b>Items on this page to be verified during the annual Part 139 Airport Certification Safety Inspection [Ref 139.301, Records]</b> |
| WHMP includes items listed in WHMP Contents below  |                          |   |  |
| Documentation of coordination off-airport land uses  |                          |   |  |
| Wildlife control permits   |                          |   |  |
| Wildlife control permit annual reports   |                          |   |  |
| Documentation of wildlife patrols and control measures (ie, Wildlife Observation and Control Log, airport self-inspection datasheets, perimeter fence patrol records)  |                          |   |  |
| Wildlife control supplies and equipment pr 139.337 (f) (4)   |                          |   |  |
| Wildlife strike reports and recordkeeping  |                          |   |  |
| Documentation of ATCT and/or mutual procedures for implementing 139.337 (a), immediate actions; 139.337 (f)(5)(iii), wildlife hazard control measures; and 139.339 (c)(7), communication of wildlife hazard conditions to air carriers |                          |   |  |
| Continued monitoring survey data sheets if included in 139.337(f)(6) review and evaluation of the WHMP   |                          |   |  |
| Documentation of WHMP annual review per attached worksheet or comparable   |                          |   |  |
| Documentation of annual wildlife hazard management training dates and attendees dates [Ref 139.301, Records, and 139.303(c), Personnel training, and 139.337 (f)(7), training]   |                          |   |  |

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| <b>Requirement</b>  | ✓                        | <b>Comments to meet requirement</b> |
| Certification of instructor qualifications and curriculum requirements per Advisory Circular 150/5200-36, Qualifications for Wildlife Biologist Conducting Wildlife Hazard Assessments and Training Curriculums for Airport Personnel Involved in Controlling Wildlife Hazards on Airports. |                          |                                     |
| Documentation of additional training required by 139.337 (f) (3) legal requirements, if applicable, such as wildlife species identification, firearms safety, pesticide application.  |                          |                                     |