Survey Questionnaire to analyze the State's problems /issues /deficiencies on Wildlife Hazards Management including ICAO USOAP CMA WHM PQ's

S/No.	Description of Question	Available (Yes/No)	Comments
State Requirements:			
1.	Has the State promulgated a regulation to control the development of facilities likely to attract wildlife on or in the vicinity of an aerodrome?		
2.	Has the State established and implemented a process to mitigate against an increase or potential increase in wildlife strike hazard due to land use development likely to attract wildlife around an aerodrome?		
3.	Has the State developed industry guidance material to assist aerodrome operators to develop a wildlife (birds and animals) strike hazard study or assessment for each of their aerodromes?		
4.	Has the State promulgated regulations to require a wildlife (birds and animals) strike hazard study or assessment for each of its aerodromes?		
5.	Does the State ensure that aerodrome operators take appropriate action to decrease the hazard of wildlife strikes?		
6.	Does the State collect and forward wildlife strike reports to ICAO?		
7.	Has the State established National Wildlife Hazards Management Committee forum including all relevant Government Organizations to discuss issues related to wildlife hazards on or in the vicinity of an aerodrome(s)?		
8.	Has the State established national wildlife hazard reduction action plan/programme to reduce the hazard of wildlife strikes?		
9.	Has the State established establish national procedures for evaluation of effectiveness of the Airport Wildlife Hazards Management Programme?		
10.	How does the State ensure that CAA/DGCA aerodrome inspectors are well versed with wildlife hazard management, wildlife species and other biodiversity at the aerodrome?		
11.	Does the wildlife hazard management plan include to be part of aerodrome certification/licensing requirements.		
Airport Wildlife Hazard Management Programme:			
12.	Has the Aerodrome Operator developed a wildlife hazard management programme and implemented it?		
13.	Has the Aerodrome Operator developed habitat management programme within the aerodrome?		
14.	Is there a process of land management surrounding the aerodrome exist to reduce attractiveness of the environment to hazardous wildlife?		

15.	Does the aerodrome operator participate in a national hazard reduction programme?		
16.	Has any wildlife assessment survey of airport been conducted with the help of external agencies and ornithologists?		
17.	Does the aerodrome operator use particular zoning of aerodrome surroundings in WHM Programme?		
18.	Does aerodrome record environmental issues affecting wildlife in an organized manner?		
19.	Has the aerodrome operator employed competent manpower for wildlife management at the airport?		
20.	Has the airfield environment management committee been established at the aerodrome and meeting conducted regularly?		
21.	Does the aerodrome operator mention the periodicity of inspection in and around the aerodrome in wildlife management programme to identify the sources of wildlife/bird attraction?		
22.	Is there a regular inspection of illegal slaughtering around the ten kilometer radius of aerodrome being carried out.		
23.	Is there a process for liaison with government agencies and quazi government agencies to ensure the aerodrome is aware of development's that may contribute to creating additional wildlife hazards? For e.g. wildlife sanctuaries etc.		
24.	Does the aerodrome operator submit annual report on Wildlife hazard management to CAA/DGCA?		
Risk Assessment of Wildlife (Bird/Animal) Strike:			
25.	Has the aerodrome operator documented risk assessment using strike data for each species?		
26.	Does the aerodrome operator provide information on the presence of species, number of species and their biology?		
27.	Does the aerodrome use a DNA based species identification procedure?		
28.	Does the aerodrome use any other species identification procedures?		
29.	Does the aerodrome operator have SMS in place?		
30.	Does the aerodrome operator have target actions/strategy to reduce on those species which create greatest hazard?		
31.	Does the aerodrome operator understand the strike probability based on the risk assessed against the wildlife species?		
32.	Does the process to analyze the data and to assess bird/wildlife hazards exist at the aerodrome?		
33.	Does the wild life hazard assessment being carried out by specialist?		

34.	Has an assessment of bird hazard outside the aerodrome been undertaken?		
Wildlife Prevention Measures inside and outside Aerodrome:			
35.	Does the aerodrome operator have a procedure in place to identify source of bird's attractant in the vicinity of aerodrome such as slaughter houses, Slum clusters, garbage dump, illegal abattoirs, unauthorized piggeries, dairy farms, de-skinning in the open area, water stagnation, landfill, ponds, drainages, agriculture, stream, forest shrub areas and abandoned structures etc?		
36.	Does the aerodrome perimeter fence suitable to prevent hazardous wild life incursion? What is the repair policy?		
37.	Is there a proper disposal garbage system in place for food remains inside the aerodrome and system to avoid garbage dumping in an open bin in vicinity of aerodrome?		
38.	Are ecological measures taken to implement to reduce wildlife attractiveness at the airport and in the vicinity?		
39.	Does the aerodrome use the various repellent methods used at the aerodrome for bird strike prevention like LPG Operated Zone Guns, Drums, Battery operated scare crow, Pyrotechnics, Crackers, shotguns, Electronically generated alarm and distress calls playback or other bioacoustics etc.		
40.	Does the process exist at the aerodrome to trap hazardous birds/wildlife for distant release and any rescue group involved?		
41.	Does aerodrome conduct pest management on the airfield and use chemicals for minimizing big insect (e.g. bird food species) activities and small mammals (e.g. rodents) activities? If yes, how often?		
42.	Is the building free of bird nesting maintenance at the aerodrome?		
43.	Does the grass maintenance take place inside airfield to avoid habitat for rodents and snake which attract vultures and record the grass maintenance?		
44.	Does the aerodrome operator work with local authorities to ensure that areas outside the airport perimeter do not pose an undue wildlife hazard to aircraft?		
45.	Have the public awareness programmes been adopted by aerodrome operator by using print media and Electronic media to create awareness about wildlife (Bird/animal) strike problem for an aerodrome		
Wildlife Strike Reporting:			
46.	Does the aerodrome operator maintain a record of all wildlife activities?		

47.	Does the Aerodrome Operator have a procedure for recording confirmed or un-confirmed wildlife strikes to aircraft at the airport and reporting to regulatory authority?		
48.	Are WCU (wildlife control unit) personnel equipped with proven knowledge by education or proper training courses, of bird/wildlife identification?		
49.	Does WCU (wildlife control unit) personnel use binocular and field guides for wildlife identication regularly/everyday?		
50.	Does this wildlife log contain numbers, species and location of wildlife seen?		
51.	Does this wildlife log contain actions to disperse wildlife and results of these actions?		
52.	Does aerodrome operator have a wildlife dispersal report to monitor wildlife dispersal patterns?		
53.	Does aerodrome have live GPS activity reporting?		
54.	Is this wildlife log completed at regular intervals by competent Wildlife Control Unit (WCU)?		
55.	How often are wildlife control and surveillance recorded?		
56.	Does the aerodrome operator record wildlife activity manually or use technology?		
57.	Is aerodrome using technology to study wildlife activity patterns?		
58.	Does aerodrome operator maintain a dashboard of wildlife activity/pyrotechnics used?		
59.	Can aerodromes calculate probability of wildlife strike based on activity and number of flights?		
60.	How is aerodrome operator's data management process? What is the process, how can they improve this process?		
61.	How is the data analyzed and reported? What steps are taken to mitigate reported analysis?		
Training:			
62.	Has the aerodrome operator provide on-going formal training to all personnel prior to initial engagement as wildlife controllers?		
63.	Does the induction and refresher training of staff engaged in bird control activities carried regularly?		
64.	Does the training commensurate with the specific wild life hazard and size and complexity of the aerodrome operation?		
65.	Is this training fully documented and records retained and available for inspection?		
66.	Is training provided by qualified aerodrome wildlife control personnel or specialists with proven experience in this field?		