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CHINA CIVIL AVIATION BIRDSTRIKE PREVENTION

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(3) CHINA CIVIL AVIATION BIRDSTRIKE PREVENTION

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This article initially analyses the subject of bird strike of China civil aviation and introduces bird strike incidents in these years on quantity, damage, flight phase and height, season, time and other characters. Measures are subsequently presented which were taken by China civil aviation to reduce the hazard of bird strike and ensure aviation safety. First, regulations and advisory circular were issued to qualify and direct bird strike prevention at airports. Then, systematical research on bird strike prevention was done. Bird-strike Prevention Guidance Manual has been compiled to direct aerodrome, airlines, air traffic control and other agencies to cooperate on bird strike prevention. The book also directs personnel to conduct ecological environment investigation, identify dangerous birds and develop integrative bird strike prevention system at airports. Assessment Outline of Airport Wildlife Hazard Management was introduced to evaluate if effective measures had been taken at airports. Lastly, information system of bird strike prevention has been developed. Aves identification database provides several methods to identify birds and information of each birds' figure and ecological characteristics. Time of inhabitation, quantity, level of danger and other information also can be gotten. Airport Bird-strike Prevention Information System establishes database to record and forecast bird condition by zone, which provides a useful tool of recording, analysis, forecast and management for airport personnel. The bird strike incident report system collects and analyses the information of national bird strike incidents and shares these materials. Finally, the future work of China civil aviation is mentioned, including developing requirements and materials for personnel training, establishing evaluation index system of equipment and technique on bird strike prevention to evaluate its efficacy at airports, bird identification and research on night-active birds' detection and control, etc...