

## **Statement of Requirement for the Provision of Independent Specialist Advice and Assurance (ISAA) to MOD Airfield Wildlife Control (AWC) Policy**

Ref      Requirement

### **A**      **General Requirements**

#### **A.1**      **Scope of Requirement**

A.1.a      The MOD needs to minimise the effect upon its aircraft operations caused by collisions with birds and wildlife. The MOD has a legal responsibility to ensure that its operations are conducted in as safe a manner as is reasonably practicable. Regulatory Article (RA) 3270 and the Manual of Aerodrome Design and Safeguarding (MADS) provide regulation, guidance and policy on the requirements of Airfield Wildlife Control. An Independent Specialist advisor is required to provide advice and assurance which forms part of this process.

#### **A.2**      **Definitions**

A.2.a      In addition to the definitions detailed in the Terms and Conditions of the Contract the following definitions shall also apply. Where the definitions below contrast to those detailed in the Terms and Conditions of the Contract then the definitions within the Terms and Conditions of the Contract shall take precedence.

Definition      Interpretation

Contractor's  
Personal Use      Any use of MOD furnished property, facilities or equipment intended for the primary benefit of the Contractor or the Contractor's Personnel which is contrary to the MOD's interests is considered personal use.

Contractor's  
Personnel      Any employees, including sub-contractors or other agents working on behalf of the Contractor, shall be deemed the Contractor's Personnel.

Designated  
Officer      The Designated Officer is the MOD representative responsible for the Requirement and is as defined at Box 2 of DEFFORM 111 of this Contract.

#### **A.3**      **Abbreviations and Acronyms**

A.3.a      In addition to the abbreviations and acronyms detailed in the Terms and Conditions of the Contract the following abbreviations and acronyms will be used.

Abbreviation or      Interpretation  
Acronym

AMPA	Advanced Mission Planning Aid
ATM	Air Traffic Management
AWC	Airfield Wildlife Control
AWCU	Airfield Wildlife Control Unit
BAMGIS	Bird Avoidance Management Geographic Information System
BM	Battlespace Management

<u>Ref</u>	<u>Requirement</u>	
CAP	Civilian Air Publication	
BM	Battlespace Management	
DEFFORM	Defence Form	
DefStan	Defence Standard	
DIO	Defence Infrastructure Organisation	
DNA	Deoxyribonucleic acid	
DO	Designated Officer	
HQ	Head Quarters	
IAF-MLA	International Accreditation Forum-Multi Lateral Agreement	
IBSC	International Bird Strike Committee	
ISAA	Independent Specialist Advice and Assurance	
ISO	International Organization for Standardization	
MAA	Military Aviation Authority	
MADS	Manual of Aerodrome Design and Safeguarding	
MATM	Manual of Air Traffic Management	
MOD	Ministry of Defence	
PSC	Periodic Standards Check	
RA	Regulatory Article	
RAF	Royal Air Force	
SC	Security Check	
SME	Subject Matter Expert	
SoR	Statement of Requirement	
TB	Technical Bulletin	
UKAS	United Kingdom Accreditation Service	

#### **A.4 References**

A.4.a In addition to the references detailed in the Terms and Conditions of the Contract the following references shall also apply as well as any subsequent revisions and amendments to the references. This list does not absolve the Contractor from conforming to any other relevant publications.

<u>Reference</u>	<u>Version</u>	<u>Source</u>
BM Orders	2.0	
CAP 772	Edition 1/12/2014	<a href="http://www.birdstrike.it/birdstrike/file/images/file/CAP772.pdf">http://www.birdstrike.it/birdstrike/file/images/file/CAP772.pdf</a>
Data Protection Act 1998	1998 c. 29	<a href="http://www.legislation.gov.uk/ukpga/1998/29/contents">http://www.legislation.gov.uk/ukpga/1998/29/contents</a>

<u>Ref</u>	<u>Requirement</u>		
	DefStan 00-250 Part 3 Section 11 (Human Factors for designers of systems - Training)	1 dated 23/05/2008	<a href="https://www.gov.uk/uk-defence-standardization">https://www.gov.uk/uk-defence-standardization</a>
	DefStan 05-130 Part 3 (Aircraft Maintenance Training Organisations)	1 dated 01/04/2009	<a href="https://www.gov.uk/uk-defence-standardization">https://www.gov.uk/uk-defence-standardization</a>
	Government Security Classifications	1.0	<a href="https://www.gov.uk/government/publications/government-security-classifications">https://www.gov.uk/government/publications/government-security-classifications</a>
	IBSC Standards for Aerodrome Bird/Wildlife Control	Oct 06	<a href="http://www.int-birdstrike.org/Standards_for_Aerodrome_bird_wildlife%20control.pdf">http://www.int-birdstrike.org/Standards_for_Aerodrome_bird_wildlife%20control.pdf</a>
	MAA02	Issue 6.1	<a href="https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/577569/MAA02_Issue_6.1.pdf">https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/577569/MAA02_Issue_6.1.pdf</a>
	Manual of Aerodrome Design and Safeguarding	Issue 8	<a href="https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/575282/MADS_Issue_8.pdf">https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/575282/MADS_Issue_8.pdf</a>
	RA 1026	Issue 2	<a href="https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/348397/RA1026_Issue_2.pdf">https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/348397/RA1026_Issue_2.pdf</a>
	RA 3100 (Approved Organisation Scheme)	Issue 3	<a href="https://www.gov.uk/government/collections/3000-series-air-traffic-management-regulations-atm">https://www.gov.uk/government/collections/3000-series-air-traffic-management-regulations-atm</a>
	RA 3120 (ATM Equipment Standards)	Issue 2	<a href="https://www.gov.uk/government/collections/3000-series-air-traffic-management-regulations-atm">https://www.gov.uk/government/collections/3000-series-air-traffic-management-regulations-atm</a>
	RA 3130 (ATM Equipment Safety)	Initial Issue	<a href="https://www.gov.uk/government/collections/3000-series-air-traffic-management-regulations-atm">https://www.gov.uk/government/collections/3000-series-air-traffic-management-regulations-atm</a>
	RA 3267 (Aerodrome vehicle marking and lighting requirements)	Initial Issue	<a href="https://www.gov.uk/government/publications/regulatory-article-ra-3267-aerodrome-vehicle-marking-and-lighting-requirements">https://www.gov.uk/government/publications/regulatory-article-ra-3267-aerodrome-vehicle-marking-and-lighting-requirements</a>
	RA 3270 (Aerodrome wildlife control)	Issue 2	<a href="https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/472722/RA3270_Issue_2.pdf">https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/472722/RA3270_Issue_2.pdf</a>
	TB 97/34	May 1997	Hard Copy available.

## A.5 Site

<u>Ref</u>	<u>Requirement</u>
A.5.a	The Site for the delivery of all services is MOD Airfields on mainland UK and some overseas territories; Including but not limited to Falkland Islands, Gibraltar and Cyprus. The term aerodrome is defined in MAA02
<b>A.6</b>	<b>Security</b>
A.6.a	The Contractor is to ensure that all of the Contractor's personnel have Security Check (SC) clearance. Contractor's personnel without SC clearance will not be permitted access to MOD facilities.
A.6.b	All information related to or generated by this Contract is to be treated in the appropriate manner in accordance with Government Security Classifications. The classification of the material to be handled shall not exceed OFFICIAL-SENSITIVE-COMMERCIAL in nature.
A.6.c	All personal data processed under this Contract is to be treated in accordance with the Data Protection Act 1998.
<b>A.7</b>	<b>Site Access</b>
A.7.a	Where access to a MOD site is required, the contractor will be advised of the access procedures for that site, including proofs of identity required.
A.7.b	The security requirements at each unit may vary. The Contractor is to liaise with Unit security staff to ensure their personnel comply.
<b>A.8</b>	<b>Safety and Environmental Provisions</b>
A.8.a	When on the Site the Contractor is to comply with all MOD Safety, Health and Environmental Protection regulations and policy.
<b>A.9</b>	<b>Hours of Operation and Times of Delivery</b>
A.9a	Where attendance of the contractor is required, the contract will be advised.
<b>A.10</b>	<b>Quality Assurance</b>
A.10.a	The Contractor shall provide appropriate evidence of certification ISO 9001:2015 provided by a third party certification body which has been accredited by the United Kingdom Accreditation Service (UKAS) or by a signatory to the International Accreditation Forum-Multi Lateral Agreement (IAF-MLA) or internal equivalent Quality Assurance policy.
<b>A.11</b>	<b>Contract Monitoring</b>
A.11.a	For the purposes of contract monitoring, representatives of the Contractor will routinely report to the DO on the performance of the Contract.
A.11.b	The Contractor is responsible for the performance of the Contract by any sub-contractors or other agents working on behalf of the Contractor. The Contractor is to deal with any issues relating to any sub-contractors or other agents working on behalf of the Contractor, this however does not exclude sub-contractors or other agents working on behalf of the Contractor from attending any Contract Monitoring meeting or contributing to any report where it is appropriate for such sub-contractors or other agents to do so.
A.11.c	If any sub-contractors or other agents working on behalf of the Contractor are found unsuitable, for whatever reason, the Contractor is to engage with the relevant sub-contractors or other agents to broker a resolution.

<u>Ref</u>	<u>Requirement</u>	<u>Additional Information</u>	<u>Quantity</u>	<u>Standard of Performance</u>
<b>B</b>	<b><u>Deliverable Requirements</u></b>			

<u>Ref</u>	<u>Requirement</u>	<u>Additional Information</u>	<u>Quantity</u>	<u>Standard of Performance</u>
B.1	Provide advice to HQ Air Cmd on safeguarding issues associated with the assessment of risks of Airfield Wildlife Control associated with the commercial, industrial or domestic developments, as notified by Defence Infrastructure Organisation (DIO) (Safeguarding) or other interested parties.		Generally, a response will be provided within 14 days of a request but as required to meet the requirement.	Advice given is normally to be in written report format, however it may be necessary to attend meetings in person so that advice can be offered in open forum debate.
B.2	Carry out in association with HQ Air Cmd (BM) staff, periodic independent standards checks of the Airfield Wildlife Control units at MOD aerodromes (contracted and MOD personnel).	<p>Written reports containing recommendations, where appropriate, are to be raised and forwarded to HQ Air Cmd (BM).</p> <p>The Contractor shall assess an effective and efficient bird and wildlife control system in accordance with the Manual of Air Traffic Management (MATM), Manual of Airfield Design and Safeguarding (MADS), RAF BM Orders and Technical Bulletin 97/34. The specified references shall be deemed to imply the current editions as from time to time amended.</p>	<p>All MOD AWCUs are required to undergo a PSC approximately every 12 months but no greater than every 18 months.</p> <p>PSCs are conducted at a rate of two per month (approx. 20 pa) and normally take 1 day on site with additional time for travelling and report writing.</p>	<p>A schedule of visits should be provided with a forecast of visits. This schedule is to cover a 12 month period in advance. The frequency of visits has been tailored by the incumbent to assure the suitable level of PSC support and is therefore subject to change over time. The Contractor should have sufficient knowledge of the ornithological situations (potential background populations of hazardous species) to inform the selection process.</p> <p>Draft Periodic Standards Check (PSC) Reports are to be forwarded to Battlespace Management Force HQ A3/5 SO2 Airfields within 14 days of the visit.</p>
B.3	Carry out in association with HQ Air Cmd (BM) staff the monitoring and recording of AWCU Monthly Reports.	<p>Written reports containing recommendations, where appropriate, are to be raised and forwarded to HQ Air Cmd (BM).</p> <p>The Contractor shall assess an effective and efficient bird and wildlife control system in accordance with the Manual of Air Traffic Management (MATM), Manual of Airfield Design and Safeguarding</p>		

<u>Ref</u>	<u>Requirement</u>	<u>Additional Information</u> (MADS), RAF BM Orders and Technical Bulletin 97/34. The specified references shall be deemed to imply the current editions as from time to time amended.	<u>Quantity</u>	<u>Standard of Performance</u>
B.4	Conduct investigative surveys into bird flight paths, aerial and feeding activity associated with water sources and waste disposal sites in the vicinity of MOD aerodromes.	Investigation into a safeguarding case may require detailed survey of the wildlife habitat in the area concerned.	As required to cover the task at each station. There has previously been a requirement for 1 extended survey and up to 3 minor surveys per year.	Written reports on the findings of investigative surveys are to be sent to HQ Air Cmd (BM) and DIO (Safeguarding).
B.5	Act as an Expert Witness, on behalf of the MOD, at Public Enquiries on matters of Birdstrike and wildlife hazard assessment.	Attendance is unlikely however, should the situation arise, attendance could be required at short notice and may require several days attendance.  Attendance at open forum discussions with DIO (Safeguarding) may occur every 8 weeks and will normally be related to safeguarding issues.	As required to cover the task.	Act as an Expert Witness, on behalf of the MOD, at Public Enquiries on matters of Birdstrike and wildlife hazard assessment.
B.6	Act as an Expert Witness, as required by HQ Air Cmd (BM), at MOD Boards of Inquiry or other related investigations on matters of birdstrike and wildlife hazard assessment.	This should allow reports, analysis and photographic evidence to be produced and sent electronically to relevant parties.  Attendance is unlikely however, should the situation arise, attendance could be required at short notice and may require several days. Attendance at open forum	As required for the task.	

<u>Ref</u>	<u>Requirement</u>	<u>Additional Information</u> discussions with DIO (Safeguarding) may occur every 8 weeks and will normally be related to safeguarding issues.	<u>Quantity</u>	<u>Standard of Performance</u>
B.7	Determine, by analysis of remains, the species of birds and wildlife involved in strikes with MOD aircraft or other aircraft where the strike occurred at a MOD aerodrome.	Analysis of bird strike remains is required to identify the species of bird and therefore the weight range, which may have caused damage to aircraft.	Due to the random nature of bird strikes away from aerodromes it is difficult to predict the numbers involved. In 2016, there were 39 DNA, 32 microscopic feather and 4 photo-verifications. In 2017 (to 10 Oct 17) there were 14 DNA, 15 feather and 11 photo-verifications.	Maintain an independently checked (by SME) wildlife strike record ensuring that all AWC's remain accountable.
B.8	Provide a formal course of instruction, either on-site or at an agreed location, for MOD personnel as agreed by HQ Air Cmd (BM), who are to be employed as AWC operatives at MOD aerodromes. In addition, annual refresher training is to be provided to these personnel if/as required.	Where MOD Personnel are posted or detached to a unit where no AWCU exists they may be required to undertake AWC control duties. The Independent Specialist may be required to run a training course to provide necessary practical and theoretical instruction either on site or at a mutually agreed location.  MOD personnel may be placed on regular scheduled courses, or bespoke training courses for more than 8 personnel may be required.	Likely requirement is up to 25 personnel per year over 3 or 4 training courses. Plus Annual Refresher training for circa 10-25 personnel per annum.	The ISAA should promulgate a list of courses for the following 12-month period and update quarterly, to ensure that potential delegates are able to select courses in advance. In addition, the ISAA should provide bespoke courses on request to meet demand. These will then be populated through the BM Force HQ.  The training is to meet a syllabus approved by HQ Air Cmd.
B.9	Provide bird location information from ornithological organisations such as British Trust for	Provide a full 12-month set of data (in both BAMGIS and AMPA format) then stop producing further updates		

<u>Ref</u>	<u>Requirement</u>	<u>Additional Information</u>	<u>Quantity</u>	<u>Standard of Performance</u>
	Ornithology and the Wildfowl & Wetlands Trust in support of the BAMGIS Mission Planning Aid.	until any new information became available.		