

**ACDECA/013(701553574)-RFI**

**REQUEST FOR INFORMATION (RFI)**

**SUPPLY OF UV LAMPS FOR AIRCRAFT NDTE INSPECTIONS AND MAINTENANCE SUPPORT**

**RFI Title:** Supply of UV Lamps for Aircraft NDTE Inspections and Maintenance Support

**Issue Date:**  22nd April 2021

**Reference:** ACDECA/013(701553574)-RFI

**Version:** 1.0

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1. **Introduction**

This RFI is not a bidding opportunity, it is a means by which industry can provide information. Any resulting procurement activity will be conducted competitively. This RFI is an information gathering exercise, and no further discussions with industry are planned at this stage. However, any future procurement activity will be advertised in line with public procurement regulations.

1. **Background**

There exists an emergent requirement to replace a range of UV Lamp equipment currently in use by the United Kingdom Ministry of Defence. Associated with this document is a list of questions which we would like response to. We would be interested in any Commercial off the Shelf (COTS) equipment which could fulfil these requirements and future technical solutions. Any solutions must be supported for at least 10 years.

1. **RFI intended outcomes**

This RFI aims to achieve 4 outcomes:

* + Explore the market to see if existing products or technology could meet the requirements. To establish what direction is the market going in and how quickly.
	+ Develop a procurement strategy that will deliver best value for Defence.
	+ Implement an enduring solution that allows the Authority to plan its requirement against an assured continuity of supply.
	+ To inform a procurement strategy that enables the implementation of an enduring solution, for commencement from potentially November 2021.
1. **RFI Procedure**

Responses to this RFI will be reviewed by the DECA Managed Services Team.

Any details provided in response to this RFI will be used for information purposes only and will not be used to determine the potential suppliers who will be invited to bid, should the Authority proceed to tender.

The results and analysis of this RFI shall not constitute any form of pre-qualification exercise.

Any formal procurement process will be undertaken in accordance with the relevant Procurement Law.

Nothing in this RFI, or any other engagements with Industry prior to a formal procurement process, shall be construed as a representation as to the Authority’s ultimate decision in relation to the future requirement.

1. **How to submit responses to this RFI**

Respondents should provide information in accordance with the format provided in Annex A, in PDF, quoting the RFI reference on all documentation and emails**.**

If upon review of your submission any clarifications or additional information is required, you will be contacted using the details provided within your RFI response.

Please do not submit additional documents such as company overviews, as the purpose of the RFI is to collect information related to the technical solution, so any additional documents will not be included in the review process. Responses should be limited to 100 words per answer.

Any responses received after the deadline will be passed to the team for information, however they may not be included in the RFI. Review meetings which are to be held immediately following the deadline.

Once completed, please return electronically to the e-mail address shown below in section 8,no later than **12:00, Monday 24th May 2021.**

Responses will be acknowledged electronically by return e-mail.

1. **Confidentiality & Proprietary Information**

No information included in your response, or in discussions connected to it, will be disclosed to any other third party.

Proprietary information, where included, should be kept to minimum and must be clearly marked.

For the purposes of this RFI, any documentation submitted should be classification OFFICIAL.

1. **Costs of preparing your RFI response**

Any costs relating to the preparation and submission of a response to this RFI are the sole responsibility of the respondent.

1. **Contact**

Quoting the RFI reference, please submit:

i) any requests for clarification,

ii) all responses to this RFI and,

iii) any questions regarding Classification of document(s) intended for submission, to:

DECA.MSPROC@DECA.MOD.UK

**Annex A**

|  |  |
| --- | --- |
| **Question** | **Answer** |
| Company Name |  |
| Company Address |  |
|  |  |
| Name of Company representative completing the RFI |  |
| Contact details (e-mail and telephone number) |  |
| Company web site address |  |
|  |  |
| Main products/services/line of business |  |
| Main market sector |  |
| Number of years in this market sector |  |

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| **QUESTIONS** |
| **Question** | **Answer****(Yes/No/Other-Comment)** | **Comment** |
| Are you ISO 9001:2015 certified? |   |   |
| Does the equipment have Calibration Labels and Markings? |   |   |
| Does the equipment have Functional Markings and Warnings? |   |   |
| Can the equipment be used on Aircraft? |   |   |
| Can the equipment be used off Aircraft and on the Flight Line? |   |   |
| Can the equipment be used in a workshop environment? |   |   |
| Can the equipment be operated from standard public normal 230V, 50/60Hz AC? |   |   |
| Can the equipment be operated from NATO Single Phase 230v 50/60Hz? |   |   |
| Does the equipment have AC Characteristics on Public Distribution Systems? |   |   |
| Does the equipment have Lithium or other batteries used in TME 'On Aircraft' Applications? |   |   |
| What is the current life shelf of the equipment? |   |   |
| What is the current service life of the equipment? |   |   |
| What is the guarantee on the equipment? |   |   |
| What is the warranty on the equipment? |   |   |
| What is the obsolescence status of the equipment? |   |   |
| Are spares available for the equipment? |   |   |
| If yes to above, how long are the spares available for? |   |   |
| Is there a model of the equipment which is portable? |   |   |
| Does the equipment have Calibration Labels and Markings? |   |   |
| Does the equipment have Functional Markings and Warnings? |   |   |
| What is the dimensions of the equipment range? |   |   |
| What is the maximum weight of the equipment range? |   |   |
| Does the equipment come with transit cases? |   |   |
| Can the equipment be handled by one person when in use? |   |   |

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| **Question** | **Answer****(Yes/No/Other-Comment)** | **Comment** |
| Can the equipment be handled by one person when in transit? |   |   |
| What technology does the Ultra-Violet Light use? Please specify |   |   |
| Can the equipment be used on an independent battery? |   |   |
| Is the battery internal or external? |   |   |
| If the battery is external, does it have a flexible power cable with a minimum length of 1.5m long? |   |   |
| Are the batteries rechargeable? |   |   |
| Is yes to above, can they be recharged from UK, EU and US mains power with included adaptors? |   |   |
| Does the UV-A Light Emit with a peak wavelength of 365 +/-5 nanometres? |   |   |
| Will the equipment emit visible light of more than 10 lux at 38cm? |   |   |
| Will the equipment emit visible light of more than 10 lux at 38cm, with UV light 'on' and any integrated white light 'off'? |   |   |
| Does the equipment emit UV-B light? Yes/No |   |   |
| Does the equipment emit UV-C light? Yes/No |   |   |
| Does the equipment come with user manuals? |   |   |
| Does the equipment come with calibration certificates? |   |   |
| What is the UK/CA Marking that comes with the equipment? |   |   |
| Will certificates be provided for Certificate of Conformity? |   |   |
| What is the Electromagnetic Compatibility (EMC)? |   |   |
| What is the current safety standard the equipment is tested to? Please specify |   |   |
| Would you be able to provide evidence that all the equipment can comply with IEC TS 62239? |   |   |
| Would you be able to provide evidence of BS 5760 or an alternative recognised standard? |   |   |
| What accessories will the equipment come with? |   |   |
| If transit cases are provided with the equipment, what material are they made from? |   |   |
| What configuration management is in place? |   |   |
| Are the portable equipment devices able to be used universally? |   |   |
| Will additional training be required to use the equipment? |  |  |

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| **Question** | **Answer (Yes/No/Other-Comment)** | **Comment** |
| What is the run time of the equipment on one full charge? |  |  |
| What is the maximum charge time for portable devices? |  |  |
| Can the equipment be used when in charge mode/connected to mains power? |  |  |
| Does the equipment provide a uniform beam? |  |  |
| Does the equipment provide a flood-type beam pattern? |  |  |
| Would the equipment alert the user when the battery is running low? |  |  |
| If yes to above, how long from warning to power outage? |  |  |
| Does the equipment come with an integrated white light source in the same orientation as the UV beam? |  |  |
| Are there different available models for UV only and UV and white light combined? |  |  |
| If the equipment comes with an integrated white light, does it have the ability to fade in and out with the UV light? |  |  |
| If able to fade, can the white light be faded in and UV light out, and vice-versa? |  |  |
| Does the equipment provide a stable UV output within 5 minutes of switch on? |  |  |
| If no to above, how long from switch on will a stable UV output be provided? |  |  |
| Will the equipment expose the operator to UV light due to beam leakage or spread? |  |  |
| Are there any loose articles with the equipment? |  |  |
| If the equipment is used as a head unit, is it robust enough to withstand a drop from height? |  |  |
| What is the minimum temperature the equipment can be used in? (in degrees centigrade) |  |  |
| What is the maximum temperature the equipment can be used in? (in degrees centigrade) |  |  |
| Can the unit be operated correctly in direct and alternating magnetic fields of up to 1 Tesla? |  |  |
| Is the equipment chemical resistance? |  |  |
| If yes to above, what is the most severe chemical is can withstand? |  |  |
| Is the equipment waterproof? |  |  |
| Is the equipment scratchproof? |  |  |
| Will the equipment be affected by directed, reflected and ambient UV light? |  |  |
| What is the equipment ingress protected IP rating? |  |  |
| If there is an integrated white light, can this be switched on and off when the UV is in use and used when required? |  |  |

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| **Question – Basic UV Lamp** | **Answer****(Yes/No/Other-Comment)** | **Comment** |
| Is the equipment compliant with ASTM 3022? |   |   |
| Is the equipment compliant with ISO 3059? |   |   |
| Can the minimum UV-A intensity of 3000 µW/cm² at 38cm be achieved? |  |  |
| Does any of the equipment range come with an image capture capability to a non-USB storage device? |  |  |
| Does any of the equipment range come with an image capture capability to a non-USB storage device and white light capability? |  |  |
| Is the equipment ATEX Compliant? |  |  |

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| **Question – Advanced UV Lamp** | **Answer****(Yes/No/Other-Comment)** | **Comment** |
| Can the minimum UV-A intensity of 4000 µW/cm² at 38cm be achieved? |  |  |
| Can the equipment be mounted or fixed to a unit if required? |  |  |

**Innovative solutions are most welcome, even if they do not meet all of the requirements above, we would welcome the opportunity to consider further options.**