Commercial Procurement Services

Countess of Chester Hospital NHS
NHS Foundation Trust

National Framework Agreement for the Provision of Decontamination Solutions (HPV, UVC and Electrostatic)

Project Reference: F/064/DEC/20/AB

SCHEDULE A

FRAMEWORK AGREEMENT SPECIFICATION

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Overview

The Countess of Chester Hospital NHS Foundation Trust requires suppliers to provide disinfection solutions including those that use hydrogen peroxide vapour (HPV) or ultraviolet light (UVC) to neutralize harmful bacteria and viruses, or electrostatic cleaning and/or disinfection.

The solutions are intended to be used as part of infection control as a supplement to standard cleaning and disinfection protocols in wards, theatres, toilets and any other environment where microorganisms must be controlled. Electrostatic solutions are also intended to be used in larger areas such as waiting rooms and in other public settings outside the hospital environment.

HPV, UVC and electrostatic cleaning solutions are used in two main ways:

1. Many organisations use these disinfection solutions as part of standard infection control preventative procedures and/or cleaning and disinfection procedures (as appropriate), often in conjunction with each other. For this type of planned use, organisations tend to purchase, rent or lease equipment.
2. Organisations also use these disinfection solutions as part of an acute response to decontaminate wards, patient rooms or other areas where there are cases of, or suspected cases of, high risk outbreaks. In settings outside healthcare this can also be where regular cleaning staff are either unavailable or otherwise unable to complete this type of cleaning. Where organisations do not have their own equipment, they call on service providers to supply the HPV, UVC or electrostatic decontamination and/or cleaning as an emergency call out service or as a regular contracted cleaning service over a period of time.

This national framework agreement will be structured into seven Lots:

Lot 1 – Supply of Hydrogen Peroxide Vapour Disinfection Systems

This lot covers the supply (by capital purchase, rent or lease) of hydrogen peroxide disinfection systems complete with all consumables and accessories that form part of the system.

Lot 2 – Supply of Hydrogen Peroxide Vapour Disinfection Services

This Lot covers various forms of hydrogen peroxide disinfection services which may include but not be limited to reactive/urgent, one-off projects and an on-going managed service.

Lot 3 – Supply of Mobile Ultraviolet Light Disinfection Systems

This Lot covers the supply (by capital purchase, rent or lease) of ultraviolet light (UVC) disinfection systems complete with all consumables and accessories that form part of the system.

Lot 4 – Supply of Fixed Ultraviolet Light Disinfection Systems

This lot covers the supply (by capital purchase, rent or lease) of fixed (e,g, ceiling-mounted) ultraviolet light (UVC) disinfection systems complete with all consumables and accessories that form part of the system.

Lot 5 – Supply of Ultraviolet Light Disinfection Services

This Lot covers various forms of ultraviolet light (UVC) disinfection services which may include but not be limited to reactive/urgent, one-off projects and an on-going managed service.

Lot 6 – Supply of Electrostatic Disinfection Systems

This Lot covers the supply (by capital purchase, rent or lease) of electrostatic disinfection systems complete with all consumables and accessories that form part of the system.

Lot 7 – Supply of Electrostatic Disinfection Services

This Lot covers various forms of electrostatic disinfection services which may include but not be limited to reactive/urgent, one-off projects and an on-going managed service.

LOT 1 – SUPPLY OF HYDROGEN PEROXIDE VAPOUR DISINFECTION SYSTEMS

Suppliers appointed to Lot 1 of the Framework Agreement will meet the following requirements.

1. General requirements

1.1 The Supplier will supply products and services to Participating Authorities that can be used to destroy pathogens as part of a HPV decontamination process.

1.2 The equipment supplied must be suitable for use by the client's own domestic staff, following appropriate training.

2. HPV Disinfection Systems Equipment (including consumables)

2.1 The Supplier will supply state of the art HPV disinfection systems to Participating Authorities.

2.2 The Supplier will supply HPV disinfection systems with an excellent record of safe performance.

2.3 The Supplier will supply HPV disinfection systems with an excellent record of efficacy against pathogens.

2.4 The equipment will utilise hydrogen peroxide and will have the capability to disinfect an entire room, area or vehicle within a Participating Authority.

2.5 The equipment will have been tested to, and passed, the standard NFT 72-281 or equivalent for the appropriate Product Type (PT).

2.6 The equipment will emit hydrogen peroxide vapour which will eliminate pathogens from every exposed surface.

2.7 The equipment must have proven efficacy against vegetative bacteria (kill at least 5-log), bacterial spores (kill at least 4-log), common environmental pathogenic viruses and other environmental pathogens.

2.8 The equipment must have an auditable process to validate each disinfection cycle.

2.9 The equipment must be suitable for use in a range of room sizes. Details of minimum and maximum room sizes must be made available by the Supplier. Comprehensive operating instructions detailing how users would adjust the equipment for different room sizes and requirements will be provided by the Supplier.

2.10 The equipment will ideally be capable of disinfecting higher volume areas through the use of multiple systems together. Comprehensive operating instructions detailing how this can be achieved will be provided by the Supplier.

2.11 The equipment will ideally be able to record device usage. This may include rooms and locations treated, as well as time of treatment for analysis and reporting purposes.

2.12 The equipment must be easy to transport and use, with consideration for equipment weight and manoeuvrability.

2.13 The equipment will be supplied with any non-consumable items required to operate the equipment safely. For example, reusable vent covers. Details of these items must be made available by the Supplier.

2.14 If single-use items are required for the safe operation of the HPV disinfection system, the Supplier must supply a range of single-use consumables matched to the Supplier's HPV disinfection equipment. Details of all consumable items required for and/or optional for use with the equipment must be made available by the Supplier.

2.15 The Supplier must supply the range of single-use consumables described in clause 2.14 that is compatible with any HPV disinfection system that is withdrawn from sale for a period of seven (7) years after the withdrawal from sale date.

2.16 The design of the equipment may include storage capacity for non-consumable and consumable items required for the operation of the equipment. Details of on machine storage and any additional separate storage requirements must be made available by the Supplier.

2.17 All chemicals required as part of the equipment operation must be supplied in easy to use, easy to load containers.

2.18 All chemicals must be supplied in appropriate containers which do not have special transportation or storage requirements.

2.19 Following use of the equipment, empty chemical containers must be able to be easily and safely removed from the equipment.

2.20 All empty chemical containers must not have special transportation or storage requirements.

2.21 All items supplied must be compliant with Control of Substances Hazardous to Health (COSHH) regulations.

2.22 All equipment supplied must be compliant with ISO 17272:2020 or equivalent.

2.23 All products provided by the Supplier under the Framework Agreement must be CE certified under the relevant directive.

3. Maintenance and Warranty

3.1 HPV disinfection systems will be provided with a comprehensive warranty of at least 12 months duration from the date of delivery or acceptance, whichever is later, covering all HPV disinfection equipment, consumables and parts.

3.2 The Supplier must provide a detailed maintenance schedule to each Participating Authority purchasing an HPV disinfection system.

3.3 Service and maintenance plans must be available to clients.

3.4 The Supplier must provide an experienced, multi-person UK based service organisation available for maintenance and support.

3.5 The Supplier must provide guaranteed minimum response times for the attendance of a service engineer on site if required by a Participating Authority.

4. Customer Service and Support

4.1 The Supplier must provide advice to Participating Authorities on the most appropriate HPV disinfection system(s) and associated consumables for the organisation's requirements.

4.2 The Supplier must provide technical support services to enable the most efficient and effective use of the HPV disinfection systems.

4.3 The Supplier must provide emergency support to clients.

4.4 The Supplier must provide the options of purchase, lease and rental of the equipment.

4.5 The Supplier must have short lead times for the delivery of HPV disinfection systems and associated consumables. The Supplier's On Time In Full (OTIF) percentage for consumable delivery should be high and may be included as a Key Performance Indicator by an NHS Organisation for their Call Off Contract.

4.6 The Supplier will commit to provide any information as reasonably required by the Awarding Authority for the purposes of monitoring the Framework Agreement.

4.7 The Supplier will undertake to provide information to the Participating Authority to support the Participating Authority's adherence to national or local frameworks for performance reporting.

5. Health and Safety and Training

5.1 The Supplier must be able to provide evidence that all relevant health and safety aspects have been considered and minimised as part of the equipment design and operating instructions to be followed by the user.

5.2 The equipment must be capable of being remotely operated and allow for remote start up and stopping in the event of an emergency.

5.3 Comprehensive operating instructions will be provided by the Supplier in Plain English in a form that is easily accessible to users at all times.

5.4 The concentration of hydrogen peroxide used by the equipment should be the lowest that is compatible with the disinfection requirements stated in clause 2.

5.5 The equipment must be suitable for operation by users wearing standard NHS personal protective equipment (e.g. gloves and goggles).

5.6 The Supplier must provide an auditable process for users to follow, in order for users to be able to check the level of HPV within a decontaminated room has reached an acceptable level. EH40/2005 Workplace exposure limits dictates this level should be 1ppm or 1.4mg/m3.

5.7 Systems must be designed such that there is no possibility of accidental direct human contact with the hydrogen peroxide solution.

5.8 Evidence of the compatibility of the system disinfection process (and the chemicals used as part of this) with the equipment, materials and finishes commonly found in hospital environments must be made available.

5.9 Details of any incompatibility with hospital equipment, materials and finishes must be made available.

5.10 The Supplier must provide comprehensive training in the use of their HPV disinfection systems to appropriate staff of Participating Authorities. This will include a 'train the trainer' course. The Supplier will be responsible for delivering updates to this course as they are released.

5.11 All initial training is expected to be provided at no extra cost to the client.

5.12 The Supplier must provide instructions for Participating Authorities on the safe, efficient and effective use of their HPV decontamination systems.

Certification requirements: Successful Applicants will be expected to provide such certificates upon award of the Framework Agreement:

Where applicable any products to be supplied under this Framework Agreement will be CE certified under the relevant directive.

ISO 17272:2020 accreditation or equivalent must be held by the successful Applicant.

ISO 9001:2015 accreditation or alternative quality management system must be held by the successful Applicant.

Efficacy data must be available on request at any point during the duration of the Framework Agreement and any Contracts called off under the Framework Agreement.

LOT 2 – SUPPLY OF HYDROGEN PEROXIDE VAPOUR DISINFECTION SERVICES

Suppliers appointed to Lot 2 of the Framework Agreement will meet the following requirements.

1. General Requirements

1.1 The Supplier will supply decontamination services to Participating Authorities.

1.2 The Supplier will operate HPV disinfection equipment as part of these services.

2. HPV Disinfection Services

2.1 The Supplier must provide HPV disinfection services to Participating Authorities.

2.2 The Supplier will use equipment and consumables to carry out the Services which meet the requirements stated in clause 3.

2.3 The Supplier will provide all equipment, non-consumables and consumables required to carry out the Services.

2.4 The Supplier must be able to provide a range of HPV disinfection Services. This will include as a minimum:

a. Reactive/urgent emergency call out HPV decontamination services at a client's site.
b. Both one-off and a regular programme of decontamination services at a client's site.
c. On-going managed service for HPV decontamination services at a client's site.

2.5 The Supplier will include an auditable process to validate each disinfection cycle.

2.6 The Supplier must have an excellent record of safe performance.

2.7 The Supplier must have an excellent record of effectiveness in the delivery of the Services.

2.8 The Supplier will establish a positive working relationship with Participating Authorities who use the Framework Agreement to facilitate and maximise service delivery, the emphasis being on timely, quality, cost effective and safe service.

2.9 The Supplier will provide, for each instance where they are contracted to provide the Services:

a. Appropriately trained Supplier representative(s), capable of safely and effectively carrying out the HPV disinfection services.
b. Appropriate HPV disinfection system(s)
c. Any other items (non-consumables and consumables) required to carry out the Services.

2.10 The Supplier will be responsible for ensuring that all representatives carrying out the Services are fully trained and competent to perform all duties that are required of their role.

2.11 The Supplier will ensure that all representatives engaged to undertake any of the Services fulfil all statutory requirements of employment including but not limited to the right to work in the UK.

2.12 The Supplier must ensure that it retains all appropriate insurances at all times throughout the life of the Framework Agreement and during any Services whose performance concludes outside the period of the Framework Agreement.

2.13 The Supplier shall produce to the Awarding Authority or to any Participating Authority on request documentary evidence that the insurance required is properly maintained.

2.14 The Supplier must commit to comply with any Participating Authority's policies and procedures appropriate to the performance of the Services. Participating Authorities will provide these to the Supplier as necessary or upon written request.

2.15 The Supplier must operate a defined quality management system for the management of its service delivery. Details of this quality management system will be made available to Participating Authorities on request.

2.16 The Supplier must have well defined systems and processes to ensure that all relevant standards are met. Details of these systems and processes will be made available to Participating Authorities on request.

3. HPV Disinfection Systems Equipment

3.1 The equipment will utilise hydrogen peroxide and will have the capability to provide the Service.

3.2 The equipment must have proven efficacy against vegetative bacteria (kill at least 5-log), bacterial spores (kill at least 4-log), common environmental pathogenic viruses and other environmental pathogens.

3.3 The equipment will have been tested to, and passed, the standard NFT 72-281 or equivalent for the appropriate Product Type (PT).

3.4 All equipment used to provide the Services must be maintained to the standards determined by the manufacturer of the equipment.

3.5 The equipment will ideally be able to record device usage including rooms and locations treated, as well as time of treatment for analysis and reporting purposes.

3.6 All chemicals used within the equipment must be supplied in appropriate containers which do not have special transportation or storage requirements.

3.7 All empty chemical containers must not have special transportation or storage requirements.

3.8 All items supplied must be compliant with Control of Substances Hazardous to Health (COSHH) regulations.

3.9 All equipment supplied must be compliant with ISO 17272:2020 or equivalent.

3.10 All products provided by the Supplier and used for the delivery of the Services under the Framework Agreement will be CE certified under the relevant directive.

4. Customer Service and Support

4.1 The Supplier must provide emergency support to clients.

4.2 The Supplier must provide an option of having a Supplier representative based on a client's site.

4.3 The Supplier will commit to provide any information as reasonably required by the Awarding Authority for the purposes of monitoring the Framework Agreement.

4.4 The Supplier will undertake to provide information to the Participating Authority to support the Participating Authority's adherence to national or local frameworks for performance reporting.

4.5 The Participating Authority shall on reasonable notice in writing be entitled to request additional information from the Supplier covering the provision of the Services if such information is reasonably required by the Participating Authority and to comply with any written requests under the Freedom of Information Act 2000 (as amended) or under the Freedom of Information (Scotland) Act 2002 (as amended) or under the Environmental

Information Regulations 2004 (as amended) or under the Environmental Information Regulations (Scotland) 2004 (as amended).

5. Health and Safety and Training

5.1 The Supplier must be able to provide evidence that all relevant health and safety aspects have been considered and that risks have been minimised as part of the delivery of the Services.

5.2 The Supplier must provide details of any preparation which the Participating Authority must complete prior to the Supplier carrying out the Services.

5.3 The Supplier's personnel carrying out the Services at a client's site must wear suitable for operation personal protective equipment (e.g. gloves and goggles).

5.4 Following the equipment being used by Supplier personnel, the level of HPV in the decontaminated room must have reached an acceptable level. EH40/2005 Workplace exposure limits dictates this level should be 1ppm or 1.4mg/m3.

5.5 After carrying out the Services, the Supplier must carry out an auditable process to check the level of HPV within a decontaminated room has reached an acceptable level.

5.6 Staff must not be required to have direct contact with the hydrogen peroxide solution.

5.7 Evidence of the compatibility of the processes followed to deliver the Services (and the chemicals used as part of this) with the equipment, materials and finishes commonly found in hospital environments must be made available.

5.8 Details of any incompatibility with hospital equipment, materials and finishes must be made available.

5.9 Where staff of the Participating Authority is required to carry out activities to support the delivery of the Services, the Supplier will be responsible for training all client staff involved in the processes required.

5.10 All training is expected to be provided at no extra cost to the client.

Certification requirements: Successful Applicants will be expected to provide such certificates upon award of the Framework Agreement:

Where applicable any products to be used to deliver Services under this Framework Agreement will be CE certified under the relevant directive.

Products used to deliver Services under the Framework Agreement must be compliant with ISO 17272:2020 or equivalent.

ISO 9001:2015 accreditation or alternative quality management system must be held by the successful Applicant.

Efficacy data must be available on request at any point during the duration of the Framework Agreement and any Contracts called off under the Framework Agreement.

LOT 3 – SUPPLY OF MOBILE ULTRAVIOLET LIGHT (UVC) DISINFECTION SYSTEMS

Suppliers appointed to Lot 3 of the Framework Agreement will meet the following requirements.

1. General requirements

1.1 The Supplier will supply products and services to Participating Authorities that can be used to destroy pathogens as part of a UVC decontamination process.

1.2 The equipment supplied must be suitable for use by the client's own domestic staff, following appropriate training.

2. UVC Disinfection Systems Equipment (including consumables)

2.1 The Supplier will supply state of the art UVC disinfection systems to Participating Authorities.

2.2 The Supplier will supply UVC disinfection systems with an excellent record of safe performance.

2.3 The Supplier will supply UVC disinfection systems with an excellent record of efficacy against pathogens.

2.4 The equipment will utilise Ultraviolet light and will have the capability to disinfect an entire room or area within a Participating Authority site.

2.5 The equipment will contain UV lamps which will emit continuous or pulsed short-wavelength (100-280 nm range) ultraviolet light.

2.6 The equipment will be able to effectively compensate for shadows created by medical equipment or other objects in order to disinfect entire areas or rooms.

2.7 The equipment must be suitable for use in a range of room sizes. Details of minimum and maximum room sizes must be made available by the Supplier. Comprehensive operating instructions detailing how users would adjust the equipment for different room sizes and requirements will be provided by the Supplier.

2.8 The equipment will ideally be capable to disinfecting higher volume areas through the use of multiple systems together. Comprehensive operating instructions detailing how this can be achieved will be provided by the Supplier.

2.9 The equipment will ideally be able to record device usage. This may include rooms and locations treated, as well as time of treatment for analysis and reporting purposes.

2.10 The equipment must be easy to transport and use, with consideration for equipment weight and manoeuvrability.

2.11 The equipment will be supplied with any non-consumable items required to operate the equipment safely. Details of these items must be made available by the Supplier.

2.12 If single-use items are required for the operation of the UVC disinfection system, the Supplier must supply a range of single-use consumables matched to the Supplier's UVC disinfection equipment. Details of all consumable items required for and/or optional for use with the equipment must be made available by the Supplier.

2.13 The Supplier must supply the range of single-use consumables described in clause 2.13 that is compatible with any UVC disinfection system that is withdrawn from sale for a period of seven (7) years after the withdrawal from sale date.

2.14 The design of the equipment may include storage capacity for non-consumable and consumable items required for the operation of the equipment. Details of on machine storage and any additional separate storage requirements must be made available by the Supplier.

2.15 The equipment will include protection for lamps/bulbs whilst in transit and storage.

2.16 The equipment will be remotely operated and allow for remote start up and stopping.

2.17 The equipment will include motion sensors which immediately prevent operation if people are present as UVC light is harmful to human beings.

2.18 The equipment will ideally be able to record device usage. This may include rooms and locations treated, as well as time of treatment for analysis and reporting purposes.

2.19 The solution will ideally have the ability to provide reports to end users.

2.20 The supplier will provide initial user training to ensure that the device can be utilised properly by healthcare professionals.

2.21 All products provided by the Supplier under the Framework Agreement will be CE certified under the relevant directive.

2.22 All equipment provided by the Supplier under the Framework Agreement will be compliant with the standards described in ISO 15858:2016 or operate to equivalent safety standards, evidence of which will be made available on request.

2.23 Products must have UVC output that has been measured to the standard described in ISO 15727:2020 (or measured to have an equivalent standard); such output being independently confirmed to deliver the specified microbial inactivation rate.

2.24 Efficacy must be verified using methods and practices to at least the level of ASTM E3179-18 and ASTM W3135-18 as appropriate. Evidence of efficacy verification methods and practices must be made available on request from a Participating Authority.

3. Maintenance and Warranty

3.6 UVC disinfection systems will be provided with a comprehensive warranty of at least 12 months duration from the date of delivery or acceptance, whichever is later, covering all UVC disinfection equipment, consumables and parts.

3.7 The Supplier must provide a detailed maintenance schedule to each Participating Authority purchasing an UVC disinfection system.

3.8 Service and maintenance plans must be available to clients.

3.9 The Supplier must provide an experienced, multi-person UK based service organisation available for maintenance and support.

3.10 The Supplier must provide guaranteed minimum response times for the attendance of a service engineer on site if required by a Participating Authority.

4. Customer Service and Support

4.8 The Supplier must provide advice to Participating Authorities on the most appropriate UVC disinfection system(s) and associated consumables for the organisation's requirements.

4.9 The Supplier must provide technical support services to enable the most efficient, safe and effective use of the UVC disinfection systems.

4.10 The Supplier must provide emergency support to clients.

4.11 The Supplier must provide the options of purchase, lease and rental of the equipment.

4.12 The Supplier must have short lead times for the delivery of UVC disinfection systems and associated consumables. The Supplier's On Time In Full (OTIF) percentage for consumable delivery should be high and may be included as a Key Performance Indicator by a Participating Authority for their Call Off Contract.

4.13 The Supplier will commit to provide any information as reasonably required by the Awarding Authority for the purposes of monitoring the Framework Agreement.

4.14 The Supplier will undertake to provide information to the Participating Authority to support the Participating Authority's adherence to national or local frameworks for performance reporting.

5. Health and Safety and Training

5.1 The Supplier must be able to provide evidence that all relevant health and safety aspects have been considered and risks have been minimised as part of the equipment design and operating instructions to be followed by the user.

5.2 The equipment must be capable of being remotely operated and allow for remote start up and stopping in the event of an emergency.

5.3 Comprehensive operating instructions will be provided by the Supplier in Plain English in a form that is easily accessible to users at all times.

5.4 The Supplier must provide an auditable process for users to follow.

5.5 Evidence of the compatibility of the system disinfection process with the equipment, materials and finishes commonly found in hospital environments must be made available.

5.6 Details of any incompatibility with hospital equipment, materials and finishes must be made available.

5.7 The Supplier must provide comprehensive training in the use of their UVC disinfection systems to appropriate staff of Participating Authorities. This will include a 'train the trainer' course. The Supplier will be responsible for delivering updates to this course as they are released.

5.8 All initial training is expected to be provided at no extra cost to the client.

5.9 The Supplier must provide instructions for Participating Authorities on the safe, efficient and effective use of their UVC decontamination systems.

5.10 The Supplier must provide all certification, documentation and support necessary for a Participating Authority or their appointed provider to conduct relevant engineering safety checks on the UVC decontamination systems.

Certification requirements: Successful Applicants will be expected to provide such certificates upon award of the Framework Agreement:

Where applicable any products to be supplied under this Framework Agreement will be CE certified under the relevant directive.

Products supplied under the Framework Agreement must be compliant with ISO 15858:2016 or equivalent.

Products supplied under the Framework Agreement must have tested to have UVC output at the levels described in ISO 15727:2020 or equivalent.

ISO 9001:2015 accreditation or alternative quality management system must be held by the successful Applicant.

Efficacy data must be available on request at any point during the duration of the Framework Agreement and any Contracts called off under the Framework Agreement.

LOT 4 – SUPPLY OF FIXED ULTRAVIOLET LIGHT (UVC) DISINFECTION SYSTEMS

Suppliers appointed to Lot 4 of the Framework Agreement will meet the following requirements.

1. General requirements

1.1 The Supplier will supply products and services to Participating Authorities that can be used to destroy pathogens as part of a UVC decontamination process.

1.2 The equipment supplied must be suitable for use by the client's own domestic staff, following appropriate training.

2. UVC Disinfection Systems Equipment (including consumables)

2.1 The Supplier will supply state of the art UVC disinfection systems to Participating Authorities.

2.2 The Supplier will supply UVC disinfection systems with an excellent record of safe performance.

2.3 The Supplier will supply UVC disinfection systems with an excellent record of efficacy against pathogens.

2.4 The equipment will utilise Ultraviolet light and will have the capability to disinfect an entire room or area within a Participating Authority site.

2.5 The equipment will contain UV lamps which will emit continuous or pulsed short-wavelength (100-280 nm range) ultraviolet light..

2.6 The equipment will be able to effectively compensate for shadows created by medical equipment or other objects in order to disinfect entire areas or rooms.

2.7 The equipment should be suitable for use in a range of room sizes. Details of minimum and maximum room sizes must be made available by the Supplier. Comprehensive operating instructions detailing how users would adjust the equipment for different room sizes and requirements will be provided by the Supplier.

2.8 The equipment will ideally be capable to disinfecting higher volume areas through the use of multiple systems together. Comprehensive details on how this can be achieved must be made available to the Participating Authority by the Supplier prior to installation.

2.9 The equipment will ideally be able to record device usage. This may include rooms and locations treated, as well as time of treatment for analysis and reporting purposes.

2.10 The equipment will be supplied with any non-consumable items required to operate the equipment safely. Details of these items must be made available by the Supplier.

2.11 If single-use items are required for the operation of the UVC disinfection system, the Supplier must supply a range of single-use consumables matched to the Supplier's UVC disinfection equipment. Details of all consumable items required for and/or optional for use with the equipment must be made available by the Supplier.

2.12 The Supplier must supply the range of single-use consumables described in clause 2.12 that is compatible with any UVC disinfection system that is withdrawn from sale for a period of seven (7) years after the withdrawal from sale date.

2.13 Details of storage requirements for any single-use consumables must be made available by the Supplier.

2.14 The equipment will be remotely operated and allow for remote start up and stopping.

2.15 The equipment will include motion sensors which immediately prevent operation if people are present as UV light is harmful to human beings.

2.16 The equipment will ideally be able to record device usage. This may include rooms and locations treated, as well as time of treatment for analysis and reporting purposes.

2.17 The solution will ideally have the ability to provide reports to end users.
2.18 The Supplier will provide initial user training to ensure that the device can be utilised properly by healthcare professionals.
2.19 The Supplier will arrange installation and in-situ testing of the UVC disinfection system.
2.20 All products provided by the Supplier under the Framework Agreement will be CE certified under the relevant directive.
2.21 All equipment provided by the Supplier under the Framework Agreement will be compliant with the standards described in ISO 15858:2016 or operate to equivalent safety standards, evidence of which will be made available on request.
2.22 Products must have UVC output that has been measured to the standard described in ISO 15727:2020 (or measured to have an equivalent standard); such output being independently confirmed to deliver the specified microbial inactivation rate.
2.23 Efficacy must be verified using methods and practices to at least the level of ASTM E3179-18 and ASTM W3135-18 as appropriate. Evidence of efficacy verification methods and practices must be made available on request from a Participating Authority.

3. Maintenance and Warranty

3.1 UVC disinfection systems will be provided with a comprehensive warranty of at least 12 months duration from the date of delivery or acceptance, whichever is later, covering all UVC disinfection equipment, consumables and parts.
3.2 The Supplier must provide a detailed maintenance schedule to each Participating Authority purchasing an UVC disinfection system.
3.3 Service and maintenance plans must be available to clients.
3.4 The Supplier must provide an experienced, multi-person UK based service organisation available for maintenance and support.
3.5 The Supplier must provide guaranteed minimum response times for the attendance of a service engineer on site if required by a Participating Authority.

4. Customer Service and Support

4.1 The Supplier must provide advice to Participating Authorities on the most appropriate UVC disinfection system(s) and associated consumables for the organisation's requirements.
4.2 The Supplier must provide technical support services to enable the most efficient, safe and effective use of the UVC disinfection systems.
4.3 The Supplier must provide emergency support to clients.
4.4 The Supplier must provide the options of purchase, lease and rental of the equipment.
4.5 The Supplier must have short lead times for the delivery of UVC disinfection systems and associated consumables. The Supplier's On Time In Full (OTIF) percentage for consumable delivery should be high and may be included as a Key Performance Indicator by a Participating Authority for their Call Off Contract.
4.6 The Supplier will commit to provide any information as reasonably required by the Awarding Authority for the purposes of monitoring the Framework Agreement.
4.7 The Supplier will undertake to provide information to the Participating Authority to support the Participating Authority's adherence to national or local frameworks for performance reporting.

5. Health and Safety and Training

5.1 The Supplier must be able to provide evidence that all relevant health and safety aspects have been considered and risks have been minimised as part of the equipment design and operating instructions to be followed by the user.

5.2 The equipment must be capable of being remotely operated and allow for remote start up and stopping in the event of an emergency.

5.3 Comprehensive operating instructions will be provided by the Supplier in Plain English in a form that is easily accessible to users at all times.

5.4 The Supplier must provide an auditable process for users to follow.

5.5 Evidence of the compatibility of the system disinfection process with the equipment, materials and finishes commonly found in hospital environments must be made available.

5.6 Details of any incompatibility with hospital equipment, materials and finishes must be made available.

5.7 The Supplier must provide comprehensive training in the use of their UVC disinfection systems to appropriate staff of Participating Authorities. This will include a 'train the trainer' course. The Supplier will be responsible for delivering updates to this course as they are released.

5.8 All initial training is expected to be provided at no extra cost to the client.

5.9 The Supplier must provide instructions for Participating Authorities on the safe, efficient and effective use of their UVC decontamination systems.

5.10 The Supplier must provide all certification, documentation and support necessary for a Participating Authority or their appointed provider to conduct relevant engineering safety checks on the UVC decontamination systems.

Certification requirements: Successful Applicants will be expected to provide such certificates upon award of the Framework Agreement:

Where applicable any products to be supplied under this Framework Agreement will be CE certified under the relevant directive.

Products supplied under the Framework Agreement must be compliant with ISO 15858:2016 or equivalent.

Products supplied under the Framework Agreement must have tested to have UVC output at the levels described in ISO 15727:2020 or equivalent.

ISO 9001:2015 accreditation or alternative quality management system must be held by the successful Applicant.

Efficacy data must be available on request at any point during the duration of the Framework Agreement and any Contracts called off under the Framework Agreement.

LOT 5 – SUPPLY OF ULTRAVIOLET LIGHT (UVC) DISINFECTION SERVICES

Suppliers appointed to Lot 5 of the Framework Agreement will meet the following requirements.

1. General Requirements

1.1 The Supplier will supply decontamination services to Participating Authorities.

1.2 The Supplier will operate UVC disinfection equipment as part of these services.

2. UVC Disinfection Services

2.1 The Supplier must provide UVC disinfection services to Participating Authorities.

2.2 The Supplier will use equipment and consumables to carry out the Services which meet the requirements stated in clause 3.

2.3 The Supplier will provide all equipment, non-consumables and consumables required to carry out the Services.

2.4 The Supplier must be able to provide a range of UVC disinfection Services. This will include as a minimum:

a. Reactive/urgent emergency call out UVC decontamination services at a client's site.
b. Both one-off and a regular programme of decontamination services at a client's site.
c. On-going managed service for UVC decontamination services at a client's site.

2.5 The Supplier will include an auditable process to validate each disinfection cycle.

2.6 The Supplier must have an excellent record of safe performance.

2.7 The Supplier must have an excellent record of effectiveness in the delivery of the Services.

2.8 The Supplier will establish a positive working relationship with Participating Authorities who use the Framework Agreement to facilitate and maximise service delivery, the emphasis being on timely, quality, cost effective and safe service.

2.9 The Supplier will provide, for each instance where they are contracted to provide the Services:

a. Appropriately trained Supplier representative(s), capable of safely and effectively carrying out the UVC disinfection services.
b. Appropriate UVC disinfection system(s)
c. Any other items (non-consumables and consumables) required to carry out the Services.

2.10 The Supplier will be responsible for ensuring that all representatives carrying out the Services are fully trained and competent to perform all duties that are required of their role.

2.11 The Supplier will ensure that all representatives engaged to undertake any of the Services fulfil all statutory requirements of employment including but not limited to the right to work in the UK.

2.12 The Supplier must ensure that it retains all appropriate insurances at all times throughout the life of the Framework Agreement and during any Services whose performance concludes outside the period of the Framework Agreement.

2.13 The Supplier shall produce to the Awarding Authority or to any Participating Authority on request documentary evidence that the insurance required is properly maintained.

2.14 The Supplier must commit to comply with any Participating Authority's policies and procedures appropriate to the performance of the Services. Participating Authorities will provide these to the Supplier as necessary or upon written request.

2.15 The Supplier must operate a defined quality management system for the management of its service delivery. Details of this quality management system will be made available to Participating Authorities on request.

2.16 The Supplier must have well defined systems and processes to ensure that all relevant standards are met. Details of these systems and processes will be made available to Participating Authorities on request.

3. UVC Disinfection Systems Equipment

3.1 The equipment will utilise ultraviolet light and will have the capability to provide the Service.

3.2 All products provided by the Supplier and used for the delivery of the Services under the Framework Agreement will be CE certified under the relevant directive.

3.3 All equipment used to provide the Services must be maintained to the standards determined by the manufacturer of the equipment.

3.4 The equipment will ideally be able to record device usage including rooms and locations treated, as well as time of treatment for analysis and reporting purposes.

3.5 All equipment used for the delivery of the Services under the Framework Agreement will be compliant with the standards described in ISO 15858:2016 or operate to equivalent safety standards, evidence of which will be made available on request.

3.6 Equipment used for the delivery of the Services must have UVC output that has been measured to the standard described in ISO 15727:2020 (or measured to have an equivalent standard); such output being independently confirmed to deliver the specified microbial inactivation rate.

3.7 Efficacy must be verified using methods and practices to at least the level of ASTM E3179-18 and ASTM W3135-18 as appropriate. Evidence of efficacy verification methods and practices must be made available on request from a Participating Authority

4. Customer Service and Support

4.1 The Supplier must provide emergency support to clients.

4.2 The Supplier must provide an option of having a Supplier representative based on a client's site.

4.3 The Supplier will commit to provide any information as reasonably required by the Awarding Authority for the purposes of monitoring the Framework Agreement.

4.4 The Supplier will undertake to provide information to the Participating Authority to support the Participating Authority's adherence to national or local frameworks for performance reporting.

4.5 The Participating Authority shall on reasonable notice in writing be entitled to request additional information from the Supplier covering the provision of the Services if such information is reasonably required by the Participating Authority and to comply with any written requests under the Freedom of Information Act 2000 (as amended) or under the Freedom of Information (Scotland) Act 2002 (as amended) or under the Environmental Information Regulations 2004 (as amended) or under the Environmental Information Regulations (Scotland) 2004 (as amended).

5. Health and Safety and Training

5.1 The Supplier must be able to provide evidence that all relevant health and safety aspects have been considered and risks have been minimised as part of the delivery of the Services.

5.2 The Supplier must provide details of any preparation which the Participating Authority must complete prior to the Supplier carrying out the Services.

5.3 Evidence of the compatibility of the equipment used to deliver the Services (including the wavelength and intensity of UVC light emitted) with the equipment, materials and finishes commonly found in hospital environments must be made available.

5.4 Details of any incompatibility with hospital equipment, materials and finishes must be made available.

5.5 Where the staff of Participating Authorities is required to carry out activities to support the delivery of the Services, the Supplier will be responsible for training all client staff involved in the processes required.

5.6 All training is expected to be provided at no extra cost to the client.

Certification requirements: Successful Applicants will be expected to provide such certificates upon award of the Framework Agreement:

Where applicable any products to be used to deliver Services under this Framework Agreement will be CE certified under the relevant directive.

Products used to deliver Services under the Framework Agreement must be compliant with ISO 15858:2016 or equivalent.

Products used to deliver Services under the Framework Agreement must have tested to have UVC output at the levels described in ISO 15727:2020 or equivalent.

ISO 9001:2015 accreditation or alternative quality management system must be held by the successful Applicant.

Efficacy data must be available on request at any point during the duration of the Framework Agreement and any Contracts called off under the Framework Agreement.

LOT 6 – SUPPLY OF ELECTROSTATIC DISINFECTION SYSTEMS

Suppliers appointed to Lot 6 of the Framework Agreement will meet the following requirements.

1. General requirements

1.1 The Supplier will supply products and services to Participating Authorities that can be used to destroy pathogens as part of an electrostatic decontamination process.

1.2 The equipment supplied must be suitable for use by the client's own domestic staff, following appropriate training.

2. Electrostatic Disinfection Systems Equipment (including consumables)

2.1 The Supplier will supply state of the art electrostatic disinfection systems to Participating Authorities.

2.2 The Supplier will supply electrostatic disinfection systems with an excellent record of safe performance.

2.3 The Supplier will supply electrostatic disinfection systems with an excellent record of effectiveness.

2.4 The equipment will utilise disinfectant and will have the capability to disinfect an entire room, area or vehicle within a Participating Authority.

2.5 The equipment will emit statically charged disinfectant which will effectively coat exposed surfaces, eliminating pathogens.

2.6 The disinfectant must have proven efficacy against vegetative bacteria (kill at least 5-log), bacterial spores (kill at least 4-log), common environmental pathogenic viruses and other environmental pathogens.

2.7 The equipment must be suitable for use in a range of room sizes. Details of minimum and maximum room sizes including ceiling height must be made available by the Supplier. Comprehensive operating instructions detailing any adjustments required for different room sizes will be provided by the Supplier.

2.8 The equipment must be easy to transport and use, with consideration for equipment weight and manoeuvrability.

2.9 The equipment will be supplied with any non-consumable items required to operate the equipment safely. Details of these items must be made available by the Supplier.

2.10 If single-use items are required for the safe operation of the electrostatic disinfection system, the Supplier must supply a range of single-use consumables matched to the Supplier's electrostatic disinfection equipment. Details of all consumable items required for and/or optional for use with the equipment must be made available by the Supplier.

2.11 The Supplier must supply the range of single-use consumables described in clause 2.11 that is compatible with any electrostatic disinfection system that is withdrawn from sale for a period of seven (7) years after the withdrawal from sale date.

2.12 The design of the equipment may include storage capacity for non-consumable and consumable items required for the operation of the equipment. Details of storage requirements must be made available by the Supplier.

2.13 All chemicals required as part of the equipment operation must be supplied in easy to use, easy to load containers.

2.14 All chemicals must be supplied in appropriate containers which do not have special transportation or storage requirements.

2.15 Following use of the equipment, empty chemical containers must be able to be easily and safely removed from the equipment.

2.16 All empty chemical containers must not have special transportation or storage requirements.

2.17 All items supplied must be compliant with Control of Substances Hazardous to Health (COSHH) regulations.

2.18 All products provided by the Supplier under the Framework Agreement must be CE certified under the relevant directive.

3. Maintenance and Warranty

3.6 Electrostatic disinfection systems will be provided with a comprehensive warranty of at least 12 months duration from the date of delivery or acceptance, whichever is later, covering all electrostatic disinfection equipment, consumables and parts.

3.7 The Supplier must provide a detailed maintenance schedule to each Participating Authority purchasing an electrostatic disinfection system.

3.8 Service and maintenance plans must be available to clients.

3.9 The Supplier must provide an experienced, multi-person UK based service organisation available for maintenance and support.

3.10 The Supplier must provide guaranteed minimum response times for the attendance of a service engineer on site if required by a Participating Authority.

4. Customer Service and Support

4.8 The Supplier must provide advice to Participating Authorities on the most appropriate electrostatic disinfection system(s) and associated consumables for the organisation's requirements.

4.9 The Supplier must provide technical support services to enable the most efficient, safe and effective use of the electrostatic disinfection systems.

4.10 The Supplier must provide emergency support to clients.

4.11 The Supplier must provide the options of purchase, lease and rental of the equipment.

4.12 The Supplier must have short lead times for the delivery of electrostatic disinfection systems and associated consumables. The Supplier's On Time In Full (OTIF) percentage for consumable delivery should be high and may be included as a Key Performance Indicator by a Participating Authority for their Call Off Contract.

4.13 The Supplier will commit to provide any information as reasonably required by the Participating Authority for the purposes of monitoring the Framework Agreement.

4.14 The Supplier will undertake to provide information to the Participating Authority to support the Participating Authority's adherence to national or local frameworks for performance reporting.

5. Health and Safety and Training

5.14 The Supplier must be able to provide evidence that all relevant health and safety aspects have been considered and risks have been minimised as part of the equipment design and operating instructions to be followed by the user.

5.15 Comprehensive operating instructions will be provided by the Supplier in Plain English in a form that is easily accessible to users at all times.

5.16 The equipment must be suitable for operation by users wearing standard NHS personal protective equipment (e.g. gloves and goggles).

5.17 Systems must be designed such that there is no possibility of accidental direct human contact with the disinfectant solution.

5.18 Evidence of the compatibility of the system disinfection process (and the chemicals used as part of this) with the equipment, materials and finishes commonly found in hospital and other public sector environments must be made available.

5.19 Details of any incompatibility with common equipment, materials and finishes must be made available.

5.20 The Supplier must provide comprehensive training in the use of their electrostatic disinfection systems to appropriate staff of Participating Authorities. This will include a 'train the trainer' course. The Supplier will be responsible for delivering updates to this course as they are released.

5.21 All initial training is expected to be provided at no extra cost to the client.

5.22 The Supplier must provide instructions for Participating Authorities on the safe, efficient and effective use of their electrostatic decontamination systems.

5.23 The Supplier must provide all certification, documentation and support necessary for a Participating Authority or their appointed provider to conduct relevant engineering safety checks on the electrostatic decontamination systems.

Certification requirements: Successful Applicants will be expected to provide such certificates upon award of the Framework Agreement:

Where applicable any products to be supplied under this Framework Agreement will be CE certified under the relevant directive.

ISO 9001:2015 accreditation or alternative quality management system must be held by the successful Applicant.

Efficacy data must be available on request at any point during the duration of the Framework Agreement and any Contracts called off under the Framework Agreement.

LOT 7 – SUPPLY OF ELECTROSTATIC DISINFECTION SERVICES

Suppliers appointed to Lot 7 of the Framework Agreement will meet the following requirements.

1. General Requirements

1.1 The Supplier will supply decontamination services to Participating Authorities.

1.2 The Supplier will operate electrostatic disinfection equipment as part of these services.

2. Electrostatic Disinfection Services

2.1 The Supplier must provide electrostatic disinfection services to Participating Authorities.

2.2 The Supplier will use equipment and consumables to carry out the Services which meet the requirements stated in clause 3.

2.3 The Supplier will provide all equipment, non-consumables and consumables required to carry out the Services.

2.4 The Supplier must be able to provide a range of electrostatic disinfection Services. This will include as a minimum:

a. Reactive/urgent emergency call out electrostatic decontamination services at a client's site.
b. Both one-off and a regular programme of decontamination services at a client's site.
c. On-going managed service for electrostatic decontamination services at a client's site.

2.5 The Supplier will include an auditable process to validate each disinfection cycle.

2.6 The Supplier must have an excellent record of safe performance.

2.7 The Supplier must have an excellent record of effectiveness in the delivery of the Services.

2.8 The Supplier will establish a positive working relationship with Participating Authorities who use the Framework Agreement to facilitate and maximise service delivery, the emphasis being on timely, quality, cost effective and safe service.

2.9 The Supplier will provide, for each instance where they are contracted to provide the Services:

a. Appropriately trained Supplier representative(s), capable of safely and effectively carrying out the electrostatic disinfection services.
b. Appropriate electrostatic disinfection system(s)
c. Any other items (non-consumables and consumables) required to carry out the Services.

2.10 The Supplier will be responsible for ensuring that all representatives carrying out the Services are fully trained and competent to perform all duties that are required of their role.

2.11 The Supplier will ensure that all representatives engaged to undertake any of the Services fulfil all statutory requirements of employment including but not limited to the right to work in the UK.

2.12 The Supplier must ensure that it retains all appropriate insurances at all times throughout the life of the Framework Agreement and during any Services whose performance concludes outside the period of the Framework Agreement.

2.13 The Supplier shall produce to the Awarding Authority or to any Participating Authority on request documentary evidence that the insurance required is properly maintained.

2.14 The Supplier must commit to comply with any Participating Authority's policies and procedures appropriate to the performance of the Services. Participating Authorities will provide these to the Supplier as necessary or upon written request.

2.15 The Supplier must operate a defined quality management system for the management of its service delivery. Details of this quality management system will be made available to Participating Authorities on request.

2.16 The Supplier must have well defined systems and processes to ensure that all relevant standards are met. Details of these systems and processes will be made available to Participating Authorities on request.

2.17 All products provided by the Supplier and used for the delivery of the Services under the Framework Agreement will be CE certified under the relevant directive.

3. Electrostatic Disinfection Systems Equipment

3.11 The equipment will utilise disinfectant and will have the capability to provide the Service.

3.12 The equipment must have proven efficacy against vegetative bacteria (kill at least 5-log), bacterial spores (kill at least 4-log), common environmental pathogenic viruses and other environmental pathogens.

3.13 All equipment used to provide the Services must be maintained to the standards determined by the manufacturer of the equipment.

3.14 The Supplier will record and retain records regarding treatment, including rooms and locations treated, as well as the time of treatment for audit, reporting and investigation purposes.

3.15 All chemicals used within the equipment must be supplied in appropriate containers which do not have special transportation or storage requirements.

3.16 All empty chemical containers must not have special transportation or storage requirements.

3.17 All items supplied must be compliant with Control of Substances Hazardous to Health (COSHH) regulations.

4. Customer Service and Support

4.6 The Supplier must provide emergency support to clients.

4.7 The Supplier must provide an option of having a Supplier representative based on a client's site.

4.8 The Supplier will commit to provide any information as reasonably required by the Awarding Authority for the purposes of monitoring the Framework Agreement.

4.9 The Supplier will undertake to provide information to the Participating Authority to support the Participating Authority's adherence to national or local frameworks for performance reporting.

4.10 The Participating Authority shall on reasonable notice in writing be entitled to request additional information from the Supplier covering the provision of the Services if such information is reasonably required by the Participating Authority and to comply with any written requests under the Freedom of Information Act 2000 (as amended) or under the Freedom of Information (Scotland) Act 2002 (as amended) or under the Environmental Information Regulations 2004 (as amended) or under the Environmental Information Regulations (Scotland) 2004 (as amended).

5. Health and Safety and Training

5.11 The Supplier must be able to provide evidence that all relevant health and safety aspects have been considered and risks have been minimised as part of the delivery of the Services.

5.12 The Supplier must provide details of any preparation which the Participating Authority must complete prior to the Supplier carrying out the Services.

5.13 The Supplier's personnel carrying out the Services at a client's site must wear suitable for operation personal protective equipment (e.g. gloves and goggles).

5.14 Staff must not be required to have direct contact with the disinfectant solution.

5.15 Evidence of the compatibility of the processes followed to deliver the Services (and the chemicals used as part of this) with the equipment, materials and finishes commonly found in hospital and other public sector environments must be made available.

5.16 Details of any incompatibility with common equipment, materials and finishes must be made available.

5.17 Where the staff of the Participating Authority is required to carry out activities to support the delivery of the Services, the Supplier will be responsible for training all client staff involved in the processes required.

5.18 All training is expected to be provided at no extra cost to the client.

Certification requirements: Successful Applicants will be expected to provide such certificates upon award of the Framework Agreement:

Where applicable any products to be used to deliver Services under this Framework Agreement will be CE certified under the relevant directive.

ISO 9001:2015 accreditation or alternative quality management system must be held by the successful Applicant.

Efficacy data must be available on request at any point during the duration of the Framework Agreement and any Contracts called off under the Framework Agreement.