



NFCC
National Fire
Chiefs Council

The professional voice of the
UK Fire & Rescue Service

National Fire Chiefs Council Limited
99 Vauxhall Road
Birmingham
B7 4HW

Firefighters Personal Protective Equipment

Standard, Specification and Requirements

Urban Search and Rescue (USAR) [Technical Rescue]

Chainsaw PPE

**[Includes: - Chainsaw trouser, gloves, boots and
mesh face shield/visor]**

Specialist PPE Project – Oct 2021

SCOPE

This performance specification describes the requirements for protective Chainsaw PPE for both male and female fire fighters.

The Chainsaw PPE should offer the wearer protection from injuries, which could arise through accidents in the working sector for which the Chainsaw PPE is designed.

The Chainsaw PPE is to be CE marked to the various product standards as prescribed below.

PERFORMANCE REQUIREMENTS

Description and Use

Provision of protective Chainsaw PPE that meets the general and specific needs of Fire & Rescue Service (FRS) operational personnel.

The product must be suited to the range of technical rescue activities carried out during emergency response and training operations. The product must be of such design, robustness, material and specification to meet the needs of these operations. It should also be simple to clean, repair and maintain.

All test performance data must be submitted with tender document, please indicate compliant and submitted where requested. All documentation to be in English.

Chainsaw PPE is designed, following a suitable risk assessment, to protect firefighters from risks that cannot be removed by other means.

One potential emerging risk to firefighter's health is exposure to contaminants as a result of the incidents that they attend; some of these contaminants may be carcinogenic.

All Contractors should be mindful of these emerging risks and as such ensure that the PPE is designed to be easily cleaned and decontaminated. In addition methods for identifying that the PPE may be contaminated should also be considered when designing the PPE.

Requirement Reference Number	Requirement	Response Criteria
A1	<p>Chainsaw Trouser</p> <p>Items must be compliant to BS EN ISO 11393-2</p> <p>Class 2, Type C</p> <ul style="list-style-type: none"> • To be available in all sizes from XS to XXL. • To include a facility to provide 'made to measure' for wearers that fall outside standard size ranges. 	<p>Evidence from Tenderer shall constitute:</p> <p>(1) Independent Certification from test laboratories that are accredited to their respective National Accreditation Service, The National Accreditation Service must be members of either EA or ILAC and comply with ISO/IEC 17011:2017. Validity of Certification must be 6 months or more prior to date of expiry, or; A signed letter on official letterhead from the relevant test house stating that work to complete the required certification has been commissioned and certification will be achieved before the required deadline.</p> <p>(2) Detailed Product specification.</p>
A2	<p>Chainsaw Gloves</p> <p>Items must be compliant to BS EN ISO 11393-4</p> <ul style="list-style-type: none"> • The items shall be available in all sizes from 6 to 11 and compliant to EN 420 • To include a facility to provide 'made to measure' for wearers that fall outside standard size ranges. 	
A3	<p>Chainsaw boots</p> <p>Item must be compliant to:</p> <ul style="list-style-type: none"> • EN ISO 20345; Class 1, SRC • EN 15090; HI₁ • EN ISO 17249; Level 3 <p>In addition:</p> <ul style="list-style-type: none"> • Upper; fire retardant with reflective markings • Inner; breathable, moisture wicking, anti-bacterial and waterproof membrane • Internal high stitched tongue • High illumination marking • Fire retardant laces • Rapid donning and removal capability • Ankle support 	

	<ul style="list-style-type: none"> To be available in all sizes 36 to 50 inclusive suitable for both female and male wearers. To include a facility to provide 'made to measure' for wearers that fall outside standard size ranges. 	
A4	<p>Chainsaw mesh visor</p> <p>Items must be compliant to BS EN 1731</p> <ul style="list-style-type: none"> Item must be able to fit current USAR helmet MSA F2 Xtreme helmet 	
A6	<p>Compatibility</p> <p>All items must be compatible with each other and in particular with: -</p> <ol style="list-style-type: none"> I. standard USAR jacket (conforming to EN11612 or EN 16689) II. safety harness, conforming to EN361 and EN358 III. and to be used with Stihl MS 460 chainsaw and Stihl MS 460R rescue saw 	<p>Evidence from Tenderer shall constitute:</p> <p>(1) Independent test report from test laboratories that are accredited to their respective National Accreditation Service, The National Accreditation Service must be members of either EA or ILAC and comply with ISO/IEC 17011:2017. Validity of Certification must be 6 months or more prior to date of expiry, or; A signed letter on official letterhead from the relevant test house stating that work to complete the required testing has been commissioned and test report will be achieved before the required deadline.</p> <p>Detailed Product specification to evidence compliance with all points i, ii, and iii.</p>

Chainsaw PPE - General Requirements		
B1	<p>Items must conform with Agriculture and Forestry Advisory Group (AFAG) guideline 301</p> <p>https://ukfisa.com/Safety/Safety-Guides/fisa-301</p>	<p>Evidence from Tenderer shall constitute:</p> <ul style="list-style-type: none"> Detailed Product specification The actual sizing chart to be offered via the Framework that evidences provision of all sizes required
B2	<p>Each garment will need to be uniquely barcoded in order that the Authority is able to track each garment, particularly if a garment is sent for cleaning, repair and maintenance.</p> <p>The Tenderer must provide an inventory of barcodes with each order delivered and hold a central database of all barcodes assigned to each order for each Participating Authority.</p>	<p>The Tenderer must provide relevant evidence to demonstrate how the requirement shall be met, and shall include product information of the barcoding system that shall be used to meet the requirement.</p>

Chainsaw PPE - Additional Documentation

C1	The tenderer shall provide all relevant user documentation and manuals that details how the item is: <ol style="list-style-type: none">1. Safely used and adjusted (if necessary)2. Maintained, including repair if relevant3. Cleaned All of these to be published in English.	Evidence from Tenderer shall constitute: User documents that come with the product detailing all the requirements (1, 2, and 3 as listed) in English on company headed or branded paperwork
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Chainsaw PPE - Optional Fire Service Requirement

D1	No optional requirements	
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