



NFCC
National Fire
Chiefs Council

The professional voice of the
UK Fire & Rescue Service

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Firefighters Personal Protective Equipment

Standard, Specification and Requirements

Wildland Firefighting Boot

Specialist PPE Project – Oct 2021

SCOPE

This performance specification describes the requirements for a protective wildland firefighting boot for both male and female fire fighters.

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

The fire boot is to be CE marked to BS ISO 16073-6:2019 *Wildland firefighting personal protective equipment — Requirements and test methods — Part 6: Footwear*.

PERFORMANCE REQUIREMENTS

Description and Use

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

The product must be suited to the range of wildland firefighting 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.

Firefighting 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>Boots</p> <p>Items must be compliant BS ISO 16073-6:2021</p> <p>Marked HI3, SRC, AN Half – knee boot Composite toe protection</p>	<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>Compatibility</p> <p>Fire boots must conform to BS ISO 16073-2:2019 or ISO/TS 11999-2</p> <p>NB. BS ISO 16073-2 requires wildland clothing to meet the requirements of ISO/TS 11999-2</p>	<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>(2) Detailed Product specification.</p>

Wildland boot - General Requirements		
B1	<p>To be available in all sizes between 36 to 50 inclusive.</p> <p>To include a facility to provide 'made to measure' for wearers that fall outside standard size ranges. Please refer to 5. Sizing and Special Requirements in Stage 1: Pass / Fail Evaluation Questions at within the ITT.</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>If providing cleaning, repair and maintenance services, the Tenderer must use the unique barcodes to enable both the Tenderer and the Authority to track the garments throughout each stage of the respective service provision. This information must therefore be accessible to both the Tenderer and Participating Authority throughout the life of each call-off arrangement.</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>
B3	<p>Items must be ergonomic, breathable and suitable for extended periods of use from 1 – 4 hours and in some situations excessive periods of up to 10 hours over a variety of terrains.</p>	<p>Evidence from Tenderer shall constitute:</p> <ul style="list-style-type: none"> • Detailed Product specification, which includes details and results of any trials undertaken to evidence the product's capability of withstanding such extended periods of use
B4	<p>Item to be supplied with a quick adjustment system for the ease of quick donning and doffing</p>	<p>Evidence from Tenderer shall constitute:</p> <ul style="list-style-type: none"> • Detailed Product specification, which includes details of the quick adjustment system

Wildland boot - Additional Documentation		
C1	<p>The tenderer shall provide all relevant user documentation and manuals that details how the item is:</p> <ol style="list-style-type: none"> 1. Safely used and adjusted (if necessary) 2. Maintained, including repair if relevant 3. Cleaned <p>All of these to be published in English.</p>	<p>Evidence from Tenderer shall constitute:</p> <p>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</p>

Wildland boot - Optional Fire Service Requirement		
D1	No additional requirement	