

Requirements	Meets Requirement	Does Not Meet Requirement	Exception/Explanation
Mask			
<i>The mask shall provide a single action to start the flow of air providing positive pressure to the mask</i>			
<i>The mask shall be easy to breath when donned and in a stand-by condition (no air flow)</i>			
<i>The facepiece shall have a speaking diaphragm to enable the user to communicate clearly.</i>			
<i>The mask shall provide at least a field of view of 108 VFS (Field of View Scoring (VFS) as defined by NIOSH.</i>			
<i>The mask shall be available in multiple sizes (at least three) to enable fit of varying facial dimensions.</i>			
<i>The mask shall have an indication of size "S" for small masks, "M" for medium masks, and "L" for large masks.</i>			
<i>The mask shall be compliant to NFPA 1981, 2018 edition</i>			
<i>The face piece will have provisions for using spectacles without compromising the seal of the face piece.</i>			
<i>The mask and all components shall be free of latex.</i>			
<i>The mask shall contain inhalation valves at a location that is easy to identify their condition and presence.</i>			
<i>The lens shall meet the lens abrasion requirements of NFPA 1981, 2019 edition.</i>			
<i>The lens shall have an internal anti-fog coating to reduce fogging of the lens.</i>			
<i>The mask shall meet the requirements of Z87.1-2010, as required by NIOSH 42 CFR part 84.</i>			
<i>The mask and regulator shall be certified for use within a CBRN atmosphere.</i>			
<i>The mask and regulator must be made of high impact, high temperature thermal plastics.</i>			
<i>Mask shall be able to be decontaminated without requiring removal of externally mounted accessories.</i>			
<i>Mask and regulator components shall be constructed of materials with properties with lowest vulnerability to corrosion.</i>			
<i>Regulator shall contain a quick connect making repair as simple as "plug and play".</i>			
<i>The mask shall be easy to breathe when donned and in a stand-by condition</i>			
<i>The low air indicator shall not negatively impact local communications</i>			
<i>The low air indicator shall not impair radio communications</i>			

Reducer Requirement			
<i>The pressure reducer/first stage regulator shall be of a redundant system design</i>			
<i>The reducer shall be a fail open design</i>			
<i>The first stage system shall have an automatic re-seating relief valve that protects the system from over pressurization</i>			
<i>The reducer/first stage regulator shall receive air from the cylinder via a shielded hose</i>			
<i>CGA coupling should be of a design to provide sure grip during tightening/loosening</i>			
<i>All pressure reducer components shall be designed for high temperature firefighting operations</i>			
Alarms and Indications			
<i>The SCBA shall provide that provide user status indication.</i>			
<i>Heads Up Display (HUD) shall provide bi-directional LED's presenting general indication of pressure to users as well as team personnel.</i>			
<i>The system shall have two End of Service Time Indicators (EOSTI's).</i>			
<i>One EOSTI shall be the heads up display (HUD).</i>			
<i>The second EOSTI shall be pneumatic.</i>			
<i>The HUD shall be positioned in the users viewing area.</i>			
<i>The HUD shall have no impact in the vertical field of view.</i>			
S.C.B.A. Support Frame and Harness			
<i>The frame and support harness shall provide relatively easy surface to clean, free from multiple attachment points, accessory mountings, etc.</i>			
<i>The frame and support harness shall house the battery compartment in a protected area to prolong the life of the batteries when exposed to extreme cold and heat.</i>			
<i>The support frame shall hold cylinders of 45, and 60 minute durations.</i>			
<i>The support frames shall be designed so that the weight of the SCBA can be supported by the user's hips/legs. The design should enable the user to don the SCBA and loosen the shoulder straps, removing the burden from the user's shoulders.</i>			
<i>The support frames shall be designed for user comfort with shoulder pads that spread the weight of the SCBA over a wider area of the user's shoulders.</i>			

<i>The support frame shall be designed for user comfort with waist straps that spread the weight of the SCBA over a wider area of the user's hips.</i>			
Electronics			
<i>Electronic assemblies, shall be warranted for a period no less than 15 years</i>			
<i>All SCBA shall be equipped with an NFPA 1982, 2018 edition compliant SCBA integrated PASS device</i>			
Air Cylinders			
<i>All air cylinders must be of carbon fiber design</i>			
<i>All cylinders must meet the NFPA 1981, standard on Open-Circuit Self-Contained breathing apparatus (SCBA) for Emergency Services 2018 edition</i>			
<i>All cylinders must have a minimum NIOSH rated duration of 45 minutes and hold a volume of at least 66 cubic feet of compressed air when pressurized to 4500 psi or greater</i>			
<i>All cylinders must have threaded and quick connect fill options.</i>			
<i>Proponents must specify if the SCBA cylinders and assembly will be equipped with a quick connect system (preferred)</i>			
<i>For quick fill systems the proponent must include the cost of a SCBA fill station adaptor. Proponent must state if no adaptor is available.</i>			
<i>All seals and O-rings in the valves will be commonly available.</i>			
<i>Cylinders will have a reflective band or photo luminescent marking for maximum visibility at night.</i>			
<i>Proponent is to indicate cost of cylinder at the time of purchase.</i>			
RIT Kits			
<i>RIT kit will consist of a bag to house equipment</i>			
<i>Must include a quick connect hose that can operate from SCBA to SCBA.</i>			
Warranty/Service			
<i>Warranty : The proponent will list all warranties including all details on each specific portion/component</i>			
<i>Proponent will provide a list to indicate total number of batteries, battery locations and battery types and quantities of each type.</i>			
<i>The Proponent is to indicate the yearly preventative maintenance required for components of the SCBA.</i>			
<i>The Proponent is to indicate the cost and intervals of any mandatory factory service or</i>			

<i>overhaul of the SCBA.</i>			
<i>The Proponent will supply a list of costs for any mandatory replacement parts and frequency these parts need to be replaced.</i>			
<i>The Proponent will supply a complete cost of ownership breakdown for all components included in this RFP.</i>			
Optional Equipment to Price			
<i>Intrinsically safe voice amplification</i>			
<i>Radio Communication Interface that is intrinsically safe, meets all applicable standards and is easy to operate with firefighting gloves on.</i>			
<i>Electronic Fire ground accountability system (FAS) to be integrated with SCBA. Include all details and capabilities of the product.</i>			