QUARTERLY FIREFIGHTER PPC INSPECTION CHECKLIST OPS-STN-CHK-PPC-V2

Station:

1 - Name:	2 - Name:
3 - Name:	4- Name:

If items ordered from Stewart and Heaton require repair, they can be sent to either Industrial Decontamination Services for repair or Stewart and Heaton. The Stewart and Heaton repair – alteration – rebadge form found in the TAMS store (documents).

- The following action should be taking depending on the level of damage:
  · minor: take no action,
  · moderate: send for repair, and
  · major: prohibit use, major repair or discard and replace.

Level 1 and 2 tunics, trousers, & braces - Only assess if applicable e.g. moisture barrier not in level 1 - Replace under warranty if issued within the last 12 months and identified as 'replace'.		**1**	**2**	**3**	**4**
A	**Soiling.** – clean				
B	**Contamination.** – clean				
C	**Physical damage, such as:**				
1	Rips, tears, and cut – send for repair.				
2	Damaged or missing hardware and closure systems. – send for repair.				
D	**Thermal damage, such as:**				
1	Charring, burn holes, melting, discolouration of any layer, especially outer shell. – send for repair.				
2	Charring and discolouration of the retro-reflective trims. – send for repair.				
E	**Loss of seam integrity and broken or missing stitches.** – send for repair.				
F	**Outer fabric and reinforcement:**				
1	Presences of holes – send for repair.				
2	Stitching seams removed, broken (seams pockets, flaps, slides, hook-and-loop fasteners, etc.). – send for repair.				
3	Change in outer fabric's colour and flexibility over 10 mm in length. – send for repair.				
4	Destroyed knee, trouser hem or cuff reinforcements– send for repair.				
5	Damaged fasteners that no longer closes a flap and/or pocket– send for repair.				
6	Physical integrity as evidence by discolouration, significant changes in material texture, loss of material strength. – send for repair.				
G	**Retro-reflective trim:**				
1	Damaged reflective trim – send for repair.				
2	Stitching defect: seam broken or missing - more than 30 mm – send for repair.				
2	Area of reflective trim removed – send for repair.				
3	Heavy abrasion– send for repair.				
4	Loss of reflectivity/fluorescence due to heat damage or heavy staining by stubborn soot or chemical – send for repair.				
H	**Lining:**				
1	Loss of fabric material physical integrity due to UV or chemical degradation in the forms of discolouration, significant changes in texture, loss of material strength, loss of liner material and shifting of liner material. – send for repair.				
2	Gaps in assembly seam – send for repair.				
3	Presence of holes greater than 5 mm on critical locations like sleeves, jacket front and shoulder. – send for repair.				
I	**Moisture barrier (if accessible):**				
1	Membrane burns with hole formation or tear, loose sealing strip– send for repair.				
2	Rips, tears, cuts, or abrasions. – send for repair.				
3	Discolouration. – send for repair.				
4	Thermal damage. – send for repair.				
J	**Anti-wicking material on jacket, sleeves or trousers' hem:**				
1	Delamination. – send for repair.				
2	Holes with length greater than 20 mm– send for repair.				
K	**Closure systems:**				
1	Loss of functionality or corrosion on zipper, snap button, velcro (hook-and-loop), fastener, button etc – send for repair.				
L	**Braces - Elastic bands at the waist and shoulder straps:**				
1	Damage i.e. physical or thermal, loss of elasticity, Velcro, or broken buckle. – send for repair.				
M	**Loss of wristlet elasticity, stretching, runs, cuts, or burn holes.** – send for repair.				
N	**Pocket (deterioration of pockets, pocket closures).** – send for repair.				
O	**Stitching and readability of labels.** – send for repair.				

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Gloves – only assess if applicable e.g. liner only in level 2 - Replace under warranty if issued within the last 12 months and identified as 'replace'.					
A	**Soiling**. - clean				
B	**Contamination.** – clean				
C	**Physical damage such as the following:**				
1	Rips, tears, and cuts. –replace.				
2	Thermal damage (charring, burn holes, melting, discolouration of any layer). – replace.				
3	Inverted liner. – replace.				
4	Serious shrinkage– replace.				
D	**Loss of dexterity or flexibility.** – replace.				
E	**Loss of seam integrity and broken or missing stitches.** – replace.				
F	**Loss of elasticity of the wrist knit.** – replace.				
G	**The glove still fits the individual correctly.** – replace.				
H	**Label integrity and legibility.** – replace.				
Helmets - Replace under warranty if issued within the last 12 months and identified as 'replace'.					
A	**Outer shell:**				
1	Heavily soiled or contamination with carbon, oil or chemicals. – clean.				
2	Physical damage cracks (beyond the enamel), crazing, dents, punctured holes, signs of heavy abrasion. – replace.				
3	Thermal damage, bubbling, soft spots, warping, distortion, serious discolouration, contact with molten metals or hot solids. – replace.				
4	Serious discolouration due to contact with strong chemicals. – replace.				
5	Those with edge beading that have missing, broken, distorted or melted beading. – replace.				
B	**Suspension and retention systems:**				
1	Brittle, deformed, broken or missing quick release buckle and other plastic components. – replace parts.				
2	Quick release buckle cannot release or cannot lock. – replace parts.				
3	Frayed, torn, serious abraded, or discoloured webbing straps. – replace parts.				
4	Loss of sewing integrity with broken, cut, missing or frayed stitches. – replace parts.				
5	Dirty or contaminated leather/fabric comfort padding. – clean.				
6	Hook and loop fastener no longer catches, worn out or missing. – replace parts.				
C	**Face shield / eye protector:**				
1	Heavily soiled or contamination with carbon, oil or chemicals. – clean.				
2	Physical damage such as cracks, penetrating holes, or deep scratches that impair vision. – replace parts.				
3	Thermal damage such as charred lens, blistered/bubbled lens, distortion, discoloured lens, optical distortion, or elongated goggle straps/loss of elasticity. – replace parts.				
4	Chemical damage such as pitting, blooming, or crazing. – replace parts.				
5	Mechanical failures such as broken attachment, visor unable to stay up when stowed, or visor unable to deploy. – replace parts.				
D	**Neck protector:**				
1	Heavily soiled or contamination with carbon, oil or chemicals. – clean.				
2	Physical damage such as rips, tears or cuts in the fabric, broken or missing stiches, and opened seams. -replace.				
3	Thermal damage such as charring, burn holes, and serious discolouration. – replace.				
E	**Accessories like badges, decal, helmet torches and retro-reflective trims:**				
1	Physical damage such as tears, lifting, or missing trim. – replace.				
2	Thermal damage such as charring, discolouration, loss of reflectivity. – replace.				
3	Bracket fixed tightly - if not, tighten.				

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Footwear - Replace under warranty if issued within the last 12 months and identified as 'replace'.					
A	**Soiling.** – clean.				
B	**Contamination.** – clean.				
C	**Physical damage such as the following:**				
1	Cuts, tears, and punctures, including protective toe caps. – replace.				
2	Thermal damage (charring, burn holes, melting, discolouration of any layer). – replace.				
3	Exposed or deformed metal/composite toe, metal/composite midsole, or shank. – replace.				
D	**When the toecap has been exposed to a critical load (e.g. impact, compression, puncture), the footwear for firefighters shall be replaced, as the safety function may not withstand a further critical load and fail.**				
E	**Loss of water resistance.** – replace.				
G	**Loss of seam integrity, delamination, or broken or missing stitches.** – replace.				
H	**Check the integrity of the insole (if existing).** – replace.				
I	**Check the date of obsolescence (if applicable).** – replace if relevant				
J	**Footwear should be replaced when showing signs of at least one sign of wear** – replace if relevant				
K	**Exterior materials:**				
1	Deep crack affecting half of the thickness of the material constituting the upper. – replace.				
2	High abrasion of the material constituting the upper and any reinforcement such as a toe cap becomes visible. – replace.				
3	The stem has significant deformation (sagging), the upper or the quarters have burns, bubbles, seams cut, loose stitching– replace.				
L	**Outsole:**				
1	The outsole has cracks with a width > 10 mm and a depth > 3 mm. – replace.				
2	The sole is separated over a length of > 10 mm and a depth > 5 mm. – replace.				
3	The depth of the sole tread must not be less than 1.5 mm. – replace.				
M	**Inside lining:**				
1	The sock liner is deformed or crushed. – replace.				
2	The lining is damaged at the heel. – replace.				
3	Sharp edges appear at the area of protection of the toes (detectable by passing the hand inside the footwear). – replace.				
N	**Closure systems:**				
1	Closing systems (where present) are not in working order (zipper cut or damaged lace, broken eyelet, crooked hook, burnt or missing hook-and-loop fastener). – replace or replace parts.				
O	**Condition of inside lining:**				
1	The lining has tears, excessive wear, or separation from the outer layer. – replace.				
P	**Heel counter failure**. – replace.				
Q	**Label integrity and legibility.** – replace if relevant.				
Protective hood - Replace under warranty if issued within the last 12 months and identified as 'replace'.					
A	**Soiling.** – clean.				
B	**Contamination.** – clean.				
C	**Physical damage such as the following:**				
1	Rips, tears, and cuts. – replace.				
2	Thermal damage (charring, burn holes, melting, discolouration of any layer). – replace.				
D	Loss of face opening adjustment. – replace.				
E	Loss of seam integrity and broken or missing stitches. – replace.				
F	Loss of shape or elasticity. – replace				
G	Loss of integrity of particulate barrier. – replace.				
H	Check label for integrity and legibility. – replace.				

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Insignia damage or PPC staining not representing a professional image					
A	**Send PPC for *recycling and replace* if staining persists after three separate washes and meets the following criteria:**				
1	Stain is on two or more panels i.e. back and front of tunic. – replace.				
2	The size of the stain on each panel is greater than an outstretched handprint – replace.				
3	Is easily distinguished from 20 metres away. – replace.				
B	**Insignia damaged or missing** – send for repair.				

Comments; if an issue is recorded, then record the item in the quarter below and reason and if it has been sent for cleaning / repair / warranty / or a replacement has been ordered.			
1			
2			
3			
4			
OIC:	Signature:	Employee #:	Date:

Note: The checklist is produced using ISO23616: Cleaning, inspection and repair of firefighter's personal protective equipment (PPE). For further guidance and instruction, refer to the videos on www.dfes.wa.gov.au/ppc

Definitions:

Cleaning - The act of removing soiling and contamination from ensembles and ensemble elements by mechanical, chemical, thermal, or combined processes.

Contamination - The accumulation of products of combustion and other hazardous materials on or in an ensemble element that includes carcinogenic, toxic, corrosive, or allergy-causing chemicals, body fluids, infectious microorganisms, or CBRN terrorism agents.

Soiling - The accumulation of sweat, dust, dirt, debris, and other nonhazardous materials on or in an ensemble or ensemble element that could degrade its performance or cause hygiene issues.

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