



**Ministry
of Defence**

Defence Equipment and Support
Secretariat
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Ministry of Defence
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Email: DES SEC-PolSec LE-JSC-WPNS@mod.uk

[Redacted]

Email: [Redacted]

Our Reference:
FOI2022/15335
Date:
20 January 2023

Dear [Redacted]

Thank you for your email of 30 December 2022, requesting the following information:

Can I kindly request the manufacturing specification documents for the below items. To elaborate more, the documents that contain information about sizing, materials used etc that a cut and sew manufacture would use as a reference for production.

Serial	Item description	Example NSN
1	PCS Combat Jacket/Shirt	8415-99-255-6784
2	PCS Trousers	8415-99-317-8277
3	PCS Smock	8415-99-396-5991
4	MTP Barrack Shirt	8405-99-841-4784

I am treating your correspondence as a request for information under the Freedom of Information Act 2000 (FOI Act).

A search for the information has now been completed within the Ministry of Defence (MOD), and I can confirm that information in scope of your request is held.

This is attached as follows:

- Annex A: DC/MS/8915 Issue 3, Manufacturing Specification for SHIRT, BARRACK, Multi-Terrain Pattern dated 22 Apr 2015
- Annex B: DC/MS/6602-1 Issue 7, Manufacturing Specification for JACKET, COMBAT, Personal Clothing Systems (PCS) Various dated 21 Feb 2018
- Annex C: DC/MS/6592 Issue 09, Manufacturing Specification for SMOCK, COMBAT, WINDPROOF, Personal Clothing System dated 21 Feb 2018
- Annex D: DC/MS/6603-1 Issue 07, Manufacturing Specification for JACKET, COMBAT, Personal Clothing System (PCS) Various dated 21 Feb 2018

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Defence Equipment & Support

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Yours sincerely,

DE&S Policy Secretariat



**Manufacturing Specification for
JACKET, COMBAT,
Personal Clothing System (PCS)
Various**

Defence Clothing (DC)

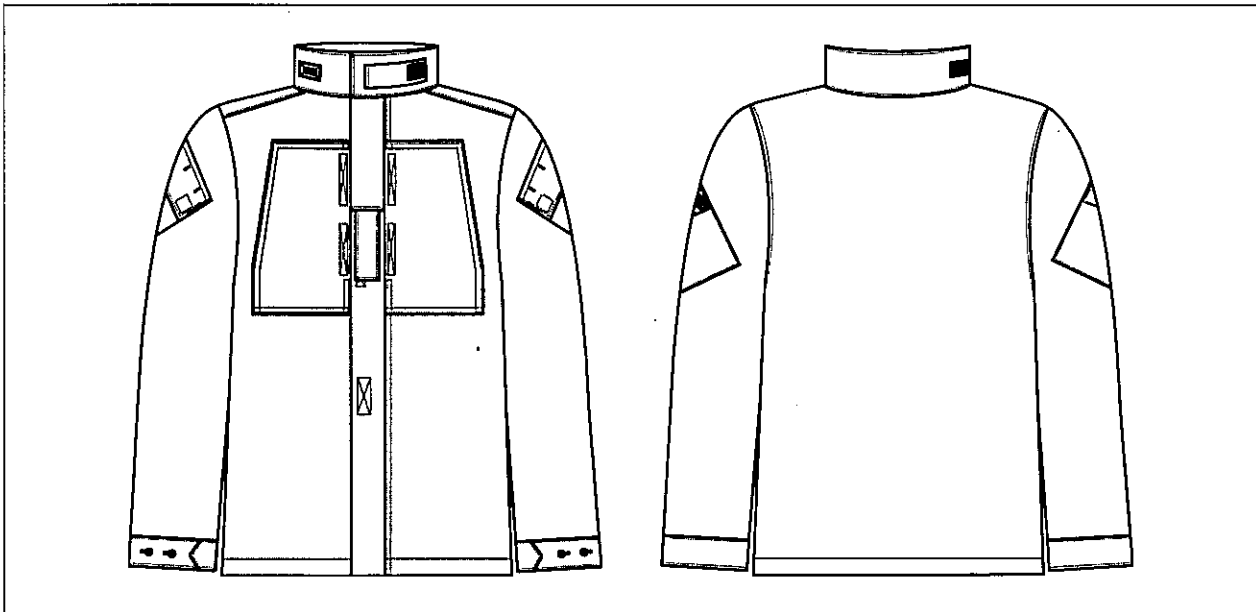
PROPERTY OF
MINISTRY OF DEFENCE



THE PRODUCT

Item Description	NATO Stock No(s)	Pattern No (s)
JACKET, COMBAT, Multi-Terrain Pattern. Insect repellent treated	8415-99-597-0428 to 0447	D02298A
JACKET, COMBAT, Multi-Terrain Pattern. Untreated	8415-99-597-0448	D02298A to guide
JACKET, COMBAT, Blue Camouflage. Insect repellent treated	8415-99-597-0910 to 0929	D02298A to guide
JACKET, COMBAT, Blue Camouflage. Untreated	8415-99-597-0930	D02298A to guide

Technical Support	Defence Clothing
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Technical documents in this specification refer to the edition current at the date of tender or contract unless otherwise stated.

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1. ISSUE RECORD

WHEN MAKING AMENDMENTS ON THIS SPECIFICATION, CONSIDER ANY EFFECT ON DC/MS/6603-2 AND DC/MS/6603-3 TO KEEP THE BASIS OF A TRI-SERVICE DESIGN

Issue No	Comments	Issue Date
7	Introduction of Blue Camouflage version NSNs 8415-99-597-0910 to 0930 Specification title amended Section 5 – Reformatted	21 February 2018
6	Deletion of all reference to Temperate range of Jacket 2 to NSN's 8415-99-255-6782 to 6801 Deletion of all reference to Warm Weather and Temperate Weather throughout specification Deletion of '2' from Jacket 2 throughout the specification Change statement under 1. Issue Record to read; When making amendments on this specification, consider any effect on DC/MS/6603-2 and DC/MS/6603-3 to keep the basis of a tri-service design Reference to UK/SC/5121 replaced with BS 3866 and BS 4162	30 August 2017
5	Updating of 'flag' stitching of touch and close fasteners on chest pockets and front placket Addition of Broad Arrow to label	15 November 2013
4	Widened chest pocket by 0.5cm Changed angle of pen/compass pocket Changed becket position Addition of suffix A to Pattern Number	17 April 2013

1. ISSUE RECORD continued

Issue No	Comments	Issue Date
3	<p>Removal from specification completely, Elbow patch forming two pockets</p> <p>Change of Title from Jacket to Jacket 2</p> <p>Change of NSN's and Pattern Number</p> <p>Page 10: Top front fastening touch and close increased to 4cm</p> <p>Page 12: Rank strap shortened to 16.5cm</p> <p>Page 13: Reduction of chest pocket width, positioning of pen pocket</p> <p>Page 14: Compass pocket slightly altered</p> <p>Page 15 & 16: Change of design of Bellows Patch Pocket to include fold over design</p> <p>Page 16: Bellows Patch Pocket, touch and close changed to "picture frame" construction</p> <p>Page 17: Blanking plate touch and close changed to "picture frame" construction</p> <p>Page 17: Change of position of Union Flag on Blanking Plate</p> <p>Page 17: Change to position of Bellows Patch Pocket</p> <p>Page 21 & 22: Fibre content clause added and care label updated</p> <p>Page 23: Change to care label instruction icon</p> <p>Page 25 & 26: Scope update to Nineteen sizes</p> <p>Page 27: Fabric descriptions updated</p>	27 February 2013
2	<p>Change to position of Union Flag on Blanking Plate</p>	27 October 2011
1	<p>New Specification derived from DC/MS/6603 Issue 04 to accommodate DC/MS/6603-2 (RN) and DC/MS/6603-3 (RAF) versions</p> <p>Introduction of insect repellent finish to warm weather base cloth and a separate NSN for an untreated version</p> <p>Change of shade name from Olive green to Light Olive</p>	31 August 2011

2. BILL OF MATERIALS

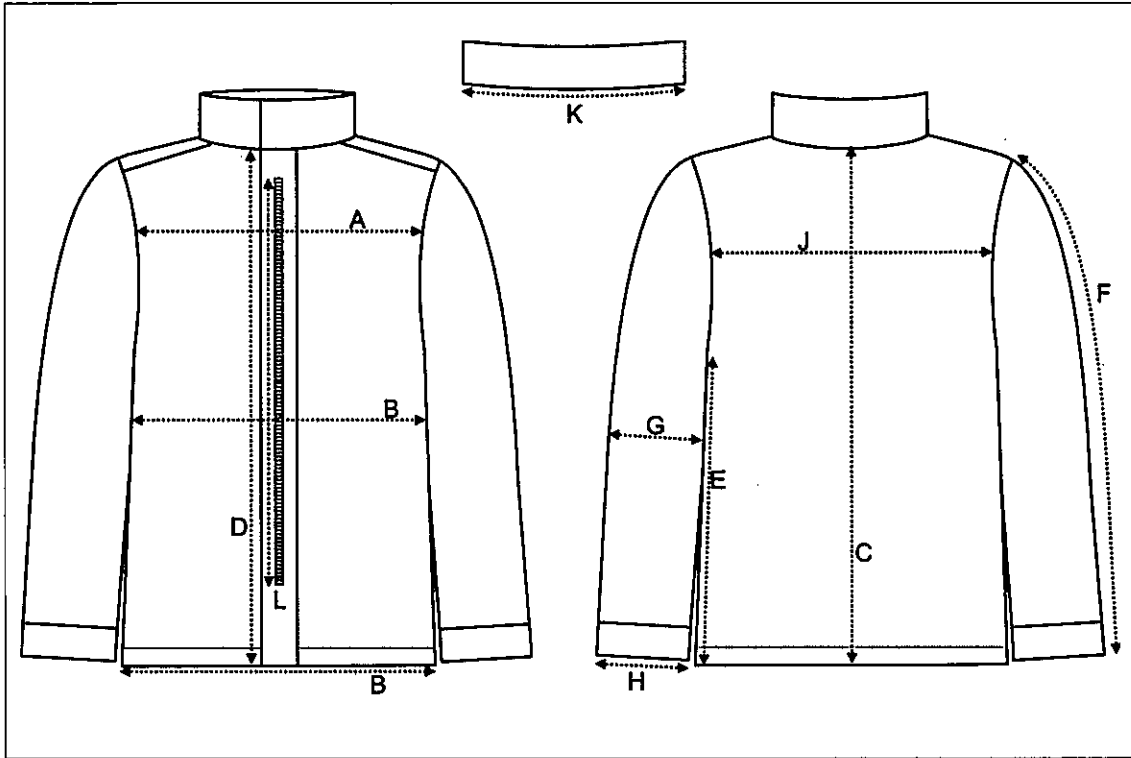
Refer to Technical Data Sheets at Section 7

3. PATTERNS.

- a. Master Patterns: DC holds a Master Pattern for this product. Potential contractors may view the pattern on site by arrangement with the DC Commercial Department.
- b. Standard Patterns: A Standard Pattern may be obtained from the DC Technical Information Office and may be used to provide the criteria for all materials, components and manufacturing features not fully defined in this specification.
- c. Electronic Patterns: Electronic patterns in 'Gerber®' format, to guide for manufacture may be obtained from the DC Technical Information Office.

4. GARMENT SIZING

SIZE CHART
JACKET, COMBAT, Various
INSECT REPELLENT TREATED
All measurements in centimetres



4. GARMENT SIZING continued

Size Height/ Chest	Measurements of Garment									
	Width		Length			Sleeve		Across back 20cm below neck seam	Collar length at neck seam	Slide fastener length
	Chest 14cm below collar seam at centre front	Waist and hem fastened	Back from collar seam to bottom edge	Front from collar seam to bottom edge	Side seam at front (off set seam)	From crown to cuff including cuff	Around elbow			
A	Bx2	C	D	E	F	Gx2	Hx2	J	K	L
160/88	48	106						42	51	
160/96	50	114	68	61	27	53	45	45	53	42
160/104	52	122					48	48	55	
170/88	48	106					42	42	51	
170/96	50	114	73	66	32	58	45	45	53	47
170/104	52	122					48	48	55	
170/112	54	130					51	51	57	
180/96	50	114					45	45	53	
180/104	52	122	78	71	37	63	48	48	55	51
180/112	54	130					51	51	57	
180/120	56	138					54	54	59	

4. GARMENT SIZING continued

	A	Bx2	C	D	E	F	Gx2	Hx2	J	K	L
190/96	50	114							45	53	
190/104	52	122	83	76	42	68	45	40	48	55	56
190/112	54	130							51	57	
190/120	56	138							54	59	
200/104	52	122							48	55	
200/112	54	130	88	81	47	73	45	40	51	57	61
200/120	56	138							54	59	
200/128	58	146							57	61	
Tolerances +/-	1	2	1	1	1	1	1	0.5	1	1	0.3


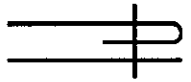


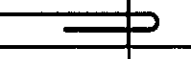
Outsize garments for insect repellent treated garments are made to the wearer's measurements supplied to the contractor: The Schedule is then used as a guide for the allowance over the chest measure of the wearer and measurements not shown on the measure form.

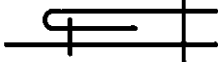
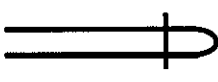
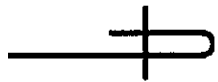
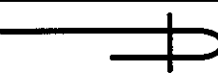
Untreated garments are to be made to the size table or to the outsize measurement form as appropriate.

5. CONSTRUCTION

SEAMS AND STITCHING to BS 3870
<ul style="list-style-type: none"> • Seam type 1.01.02 unless otherwise stated • All raw edges of main fabric are over-locked using stitch type 504, 505, 506 or 507 • All seams are to be sewn using stitch type 301 or 401 • All other stitching, stitch type 301 • 8-10 stitches per 2cm • Buttonholes to have 22 stitches per 2cm and to be bar tack or taper barred

The following seam types are referenced in this specification

	1.01.02
	1.04.01
	1.06.02
	5.31.01
	5.31.02

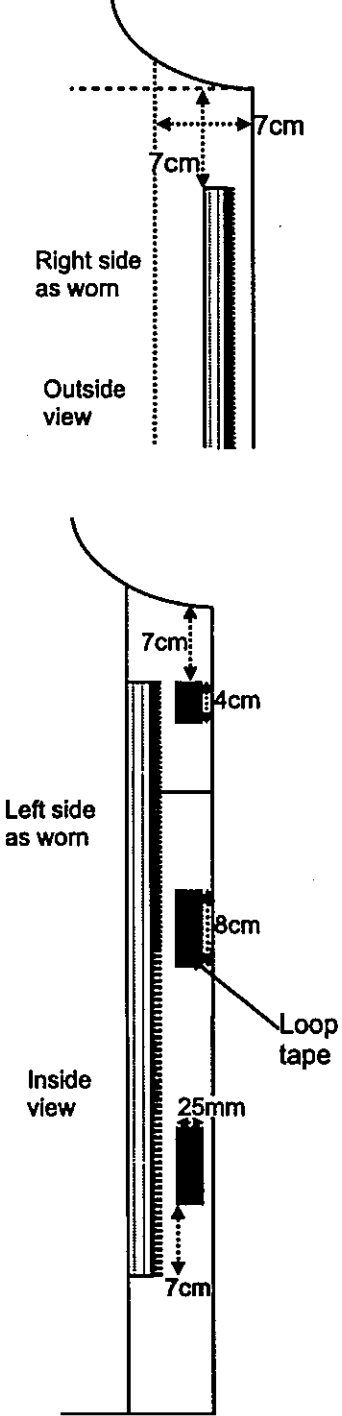
	5.31.05
	5.45.01
	6.02.01
	6.02.03

PART	DETAIL	BS 3870
5.1 DESIGN	<ul style="list-style-type: none"> • Front slide fastener and touch and close closure • Stand collar • Chest pocket with internal compass pocket and becket (left side as worn) • Chest pocket with internal pen pocket (right side as worn) • One piece pivot sleeve • Bellows pocket on sleeves at bicep • Blanking plate on bicep pockets • Union flag attached to corner of blanking plate (left side as worn) • Adjustable cuffs with buttons • Rank strap 	

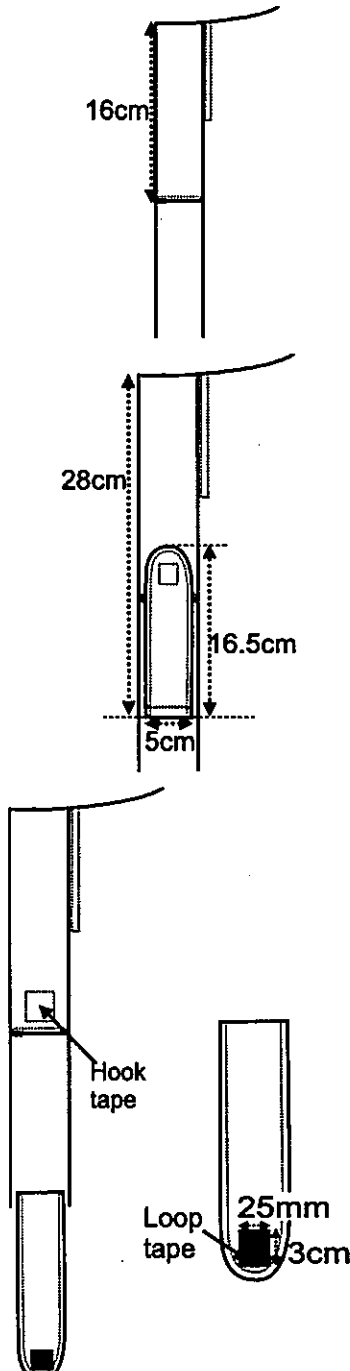
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.2 FOREPART</p>	<ul style="list-style-type: none"> Shoulder seam set forward 3.5cm Seam topstitched 0.6cm Slide fastener sewn to front opening Length of slide fastener (see size schedule) <p><u>Left forepart as worn</u></p> <ul style="list-style-type: none"> Separate front panel and grown on facing 7cm wide Slide fastener sewn on inside of forepart Back edge of slide fastener positioned at the facing edge Sewn with two rows of stitching 0.6cm apart The top stop to finish 7cm below the neck seam Two fastener loop elements 25mm wide 8cm long One fastener loop element 25mm wide 4cm long Positioned 1cm from front edge Top element positioned 7cm below the neck seam Bottom element positioned 7cm above bottom of slide fastener Remaining element positioned equidistantly between top and bottom elements All touch and close to be 'flag' stitched 	

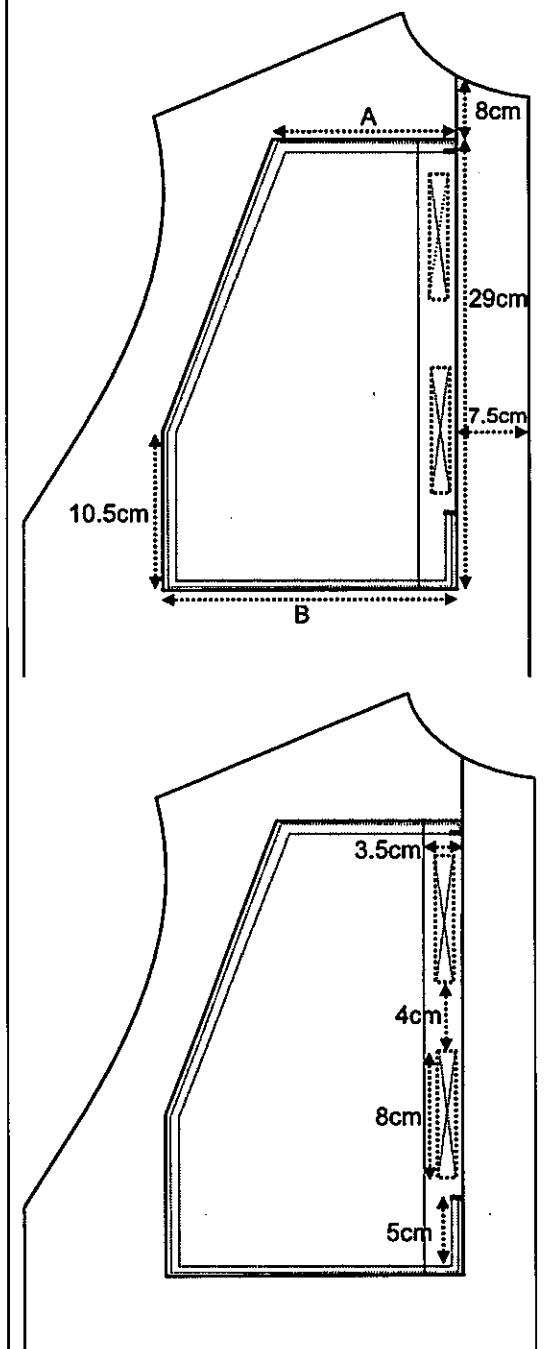
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.2 FOREPART continued</p>  <p>Right side as worn</p> <p>Outside view</p> <p>Left side as worn</p> <p>Inside view</p> <p>Loop tape</p>	<p><u>Right forepart as worn</u></p> <ul style="list-style-type: none"> • Grown on facing on each forepart • 7cm wide and edge stitched into place • Slide fastener sewn on outside of forepart • In register with the slide fastener on the left side • Sewn with two rows of stitching 0.6cm apart • The top stop to finish 7cm below the neck seam • Two fastener hook elements 25mm wide 8cm long • One fastener loop element 25mm wide 4cm long • Sewn in register with the loop elements • All touch and close to be 'flag' stitched 	<p>6.02.03</p> <p>6.02.01</p>

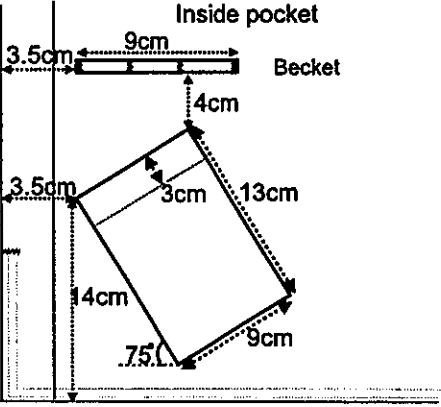
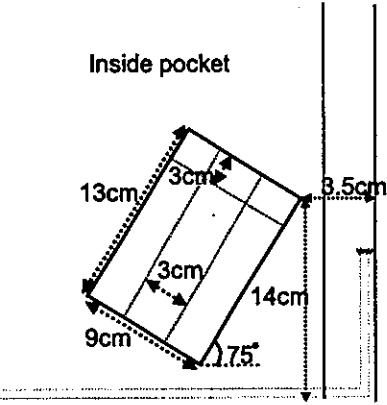
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.3 RANK STRAP</p>  <p>The drawing illustrates the construction of a rank strap. It includes three main views: 1) A top view of a 16cm long pocket with a rounded top and an open bottom. 2) A side view of the strap, which is 28cm long and 5cm wide at the rounded end. It features a fastener loop element that is 16.5cm long. 3) A detail of the fastener elements, showing a 'Hook tape' and a 'Loop tape' that is 25mm wide and 3cm long.</p>	<p><u>Left hand side as worn</u></p> <ul style="list-style-type: none"> • Pocket formed at the top of the front panel • Length 16cm • Bottom of pocket left open • Securely tacked at the front edge <ul style="list-style-type: none"> • Rank strap cut two ply in main fabric with a rounded end • 5cm wide 16.5cm long • Topstitched 0.6cm • Sewn on the outside of the left front • Positioned 28cm from neck seam <ul style="list-style-type: none"> • Fastener loop element 25mm wide 3cm long • Sewn to underside of strap • Positioned centrally 1cm from free end of strap • Fastener hook element 25mm wide 3cm long • Sewn to inside of pocket in register with the loop element on the strap 	<p>1.06.02 5.31.05</p>

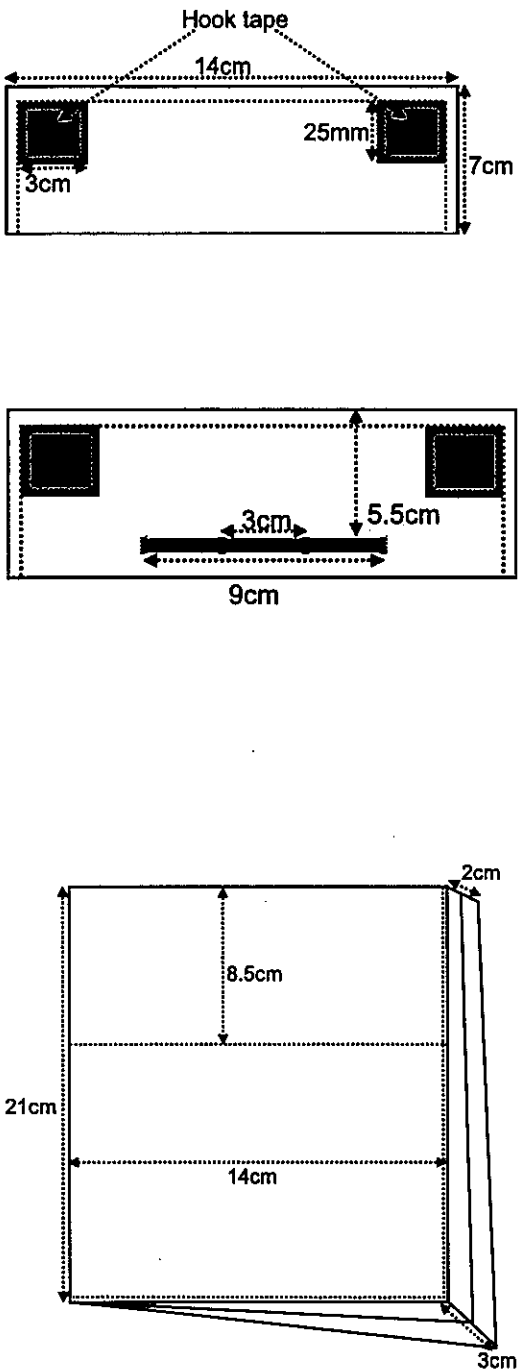
5. CONSTRUCTION continued

PART	DETAIL	BS 3870																					
<p>5.4 CHEST POCKETS</p> 	<ul style="list-style-type: none"> Shaped as diagram Positioned 8cm down from collar seam and 7.5cm from front edge Pocket depth 29cm at front edge Pocket depth 10.5cm at armhole edge <p>Pocket width see table below</p> <table border="1" data-bbox="609 716 1066 1097"> <thead> <tr> <th>Chest size</th> <th>Top of pocket A</th> <th>Base of pocket B</th> </tr> </thead> <tbody> <tr> <td>88</td> <td>12.5</td> <td>17</td> </tr> <tr> <td>96</td> <td>12.5</td> <td>17</td> </tr> <tr> <td>104</td> <td>13.5</td> <td>18</td> </tr> <tr> <td>112</td> <td>14.5</td> <td>19</td> </tr> <tr> <td>120</td> <td>15.5</td> <td>20</td> </tr> <tr> <td>128</td> <td>16.5</td> <td>21</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Grown on facing 3.5cm wide Pocket sewn to foreparts with two rows of stitching Pocket opening to be partially closed by 5cm at bottom Securely tacked at opening Two touch and close fastener hook elements 25mm wide 8cm long Sewn centrally on the pocket facing Positioned centrally in the pocket opening and 4cm apart Two touch and close fastener loop elements 25mm wide 8cm long Sewn to jacket foreparts in register with the hook elements All touch and close to be 'flag' stitched 	Chest size	Top of pocket A	Base of pocket B	88	12.5	17	96	12.5	17	104	13.5	18	112	14.5	19	120	15.5	20	128	16.5	21	<p>6.02.03 5.31.01</p>
Chest size	Top of pocket A	Base of pocket B																					
88	12.5	17																					
96	12.5	17																					
104	13.5	18																					
112	14.5	19																					
120	15.5	20																					
128	16.5	21																					

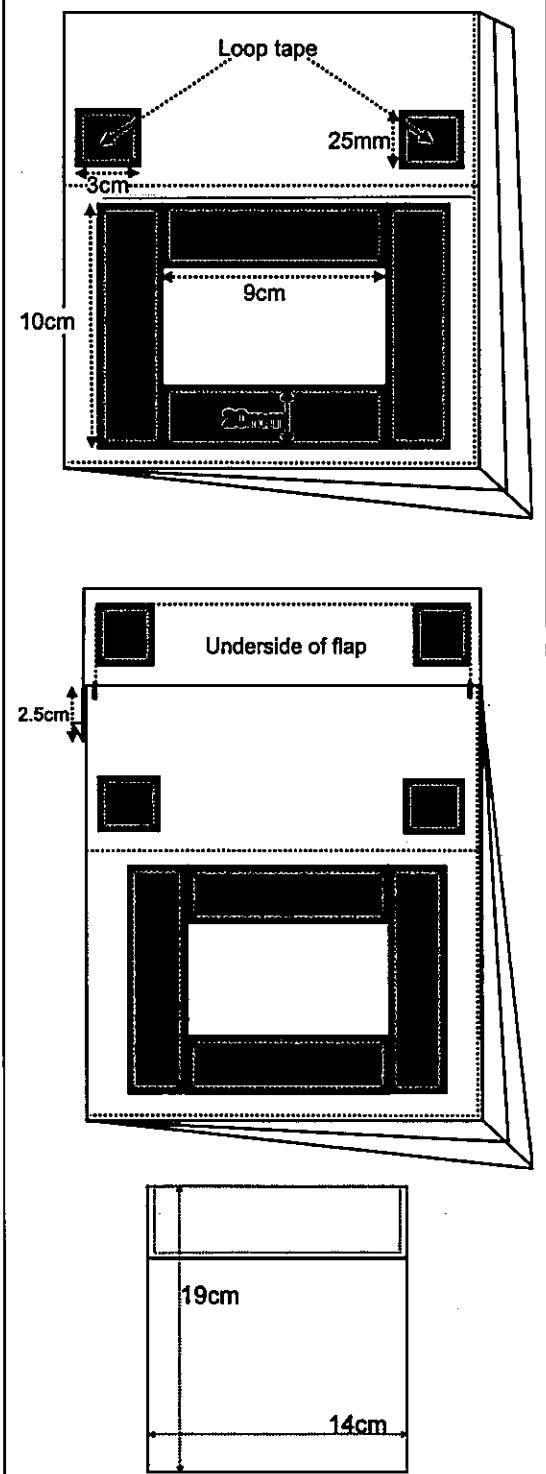
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.5 COMPASS POCKET</p>  <p>Left side as worn</p>	<p><u>Left side as worn</u></p> <ul style="list-style-type: none"> • A compass pocket sewn to the inside of the chest pocket • 9cm wide 13cm deep • 3cm inturn at top edge • Front top corner positioned 14cm up from bottom edge of chest pocket • And 3.5cm from the front edge at an angle of $75^\circ \pm 5^\circ$ • A becket effective length 9cm cut in cord 6mm wide • Divided into three equal 3cm loops and securely tacked (see diagram) • Positioned 3.5cm from front edge and 4cm up from pocket 	<p>5.31.01</p> <p>6.02.03</p>
<p>5.6 PEN POCKET</p>  <p>Right side as worn</p>	<p><u>Right side as worn</u></p> <ul style="list-style-type: none"> • A pen pocket sewn to the inside of the chest pocket • 9cm wide 13cm deep • 3cm inturn at top edge • Divided into three, with 2 rows of stitching 3cm apart • Front top corner positioned 14cm up from bottom edge of chest pocket • And 3.5cm from the front edge at an angle of $75^\circ \pm 5^\circ$ 	<p>5.31.01</p> <p>6.02.03</p>

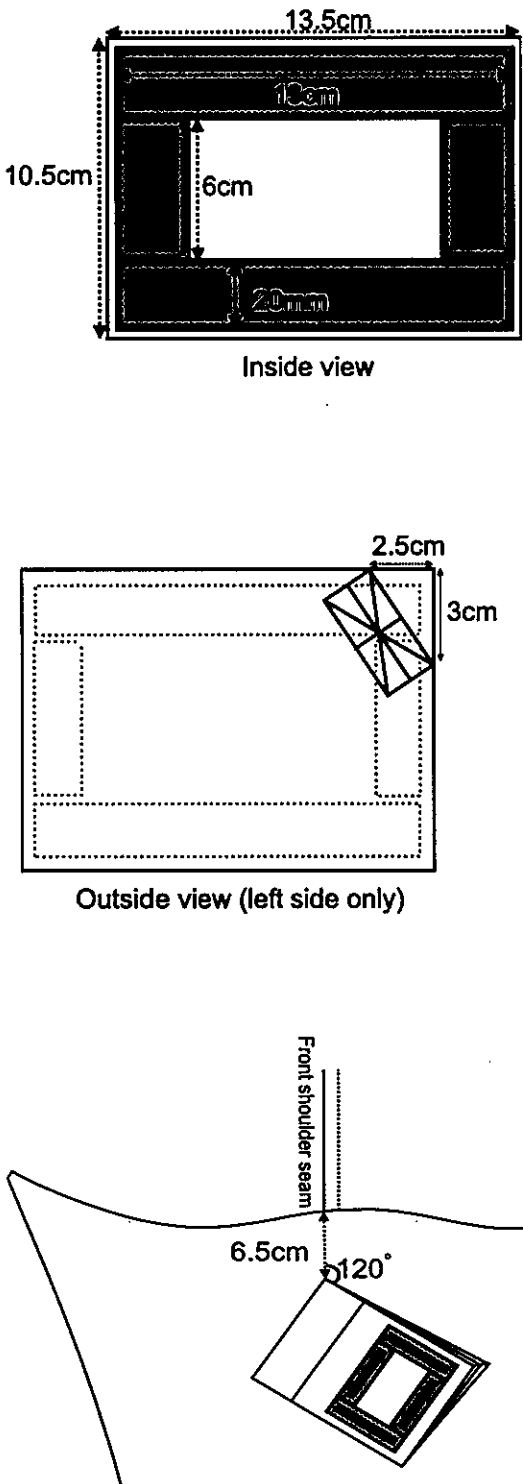
5. CONSTRUCTION continued

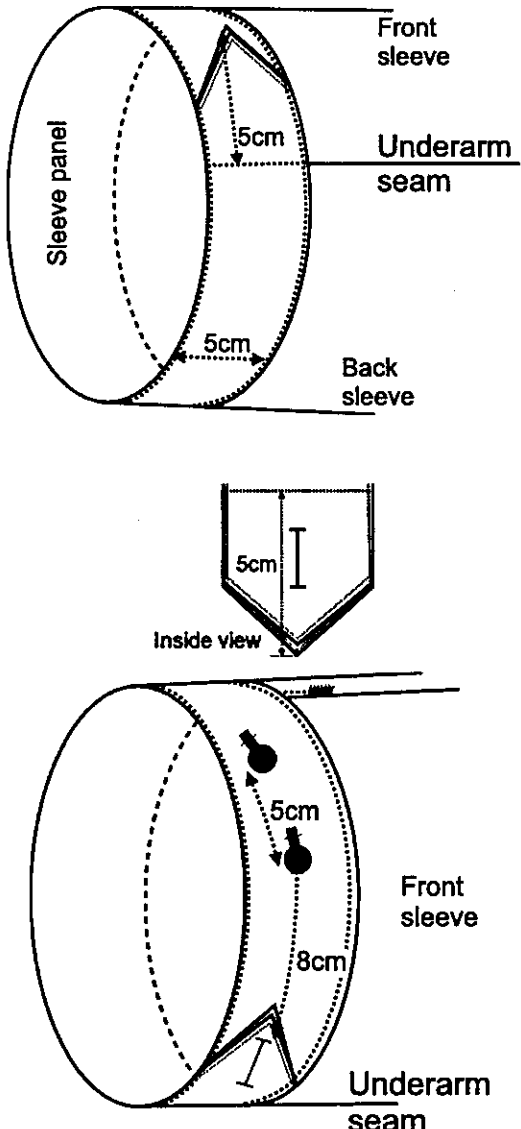
PART	DETAIL	BS 3870
<p>5.7 SLEEVE</p> 	<p><u>Bellows patch pocket and flap</u></p> <p><u>Flap</u></p> <ul style="list-style-type: none"> • Pocket flap cut straight to have fusible interlining • Cut two ply main fabric • Width 14cm depth 7cm • Topstitched 0.6cm • Two fastener hook elements 25mm wide 3cm long • Positioned 0.6cm from bottom and side edges of the flap • Stitched through both plies • A becket effective length 9cm • Divided into three equal 3cm loops • Positioned centrally on underside of flap 5.5cm from the bottom edge • Securely tacked at each end • Securely tacked 2.5cm in from each end <p><u>Bellows patch pocket</u></p> <ul style="list-style-type: none"> • 14cm wide, 21cm deep • Bellows 3cm deep at bottom at back edge • 3cm at back edge tapering to 2cm at the top • Front edge without bellow • Side and bottom edges of pocket bellows edge stitched • Bellows edge stitched centrally on the inside of the pocket • Pocket facing 8.5cm deep and sewn 	<p>1.06.02</p> <p>5.45.01</p> <p>6.02.03</p>

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.7 SLEEVE continued</p> 	<p><u>Bellows patch pocket continued</u></p> <ul style="list-style-type: none"> • Two fastener loop elements 25mm wide 3cm long • Positioned and sewn through the facing in register with the flap • Two fastener loop elements 20mm wide and 10cm long to be sewn vertically to the pocket • Two fastener loop elements 20mm wide and 9cm long sewn horizontally to the pocket • Positioned as on diagram, so the “picture frame” of touch and close is central on the pocket <ul style="list-style-type: none"> • Top edge of patch to be positioned to overlap the top of the flap by 2.5cm • Securely tacked at the top corners of the patch • Finished pocket to measure 14cm wide by 19cm long 	

5. CONSTRUCTION continued



PART	DETAIL	BS 3870
<p>5.7 SLEEVE continued</p>  <p>Inside view</p> <p>Outside view (left side only)</p> <p>Front shoulder seam</p> <p>6.5cm</p> <p>120°</p>	<p>“Blanking plate” (cover to hide touch and close on bicep pocket when not in use)</p> <ul style="list-style-type: none"> • Blanking plate cut single ply • Turn back edge on all sides, finished width 13.5cm and depth 10.5cm • Two fastener hook elements 20mm wide and 6cm long to be sewn vertically to the pocket • Two fastener hook elements 20mm wide and 13cm long sewn horizontally to the pocket • Positioned as on diagram, so the “picture frame” of touch and close is central on the blanking plate • Right side blanking plate without Union Flag • Left side blanking plate with Union Flag • Union flag sewn to top right hand corner of blanking plate • Positioned as on diagram, 2.5cm along the horizontal and 3cm down on the vertical • Corners of flag to reach edge of blanking plate as shown on diagram • No more than 3mm of green ribbon should show-do not stitch through the Union Flag • Pocket and top edge of flap stitched to top sleeve panel • Top corner positioned 6.5cm from the front shoulder seam • And at an angle of 120°±5° to the perpendicular 	<p>6.02.03</p> <p>5.31.02</p>

PART	DETAIL	BS 3870
<p>5.8 CUFF</p>  <p>The diagram illustrates the construction of a cuff. It shows a sleeve panel with a front sleeve and back sleeve section. A 5cm wide cuff band is attached to the bottom edge of the sleeve panel. The cuff band has a pointed extension 5cm long, which is double-layered and positioned on the underarm seam. The extension is 2.2cm wide and has a buttonhole 2.2cm long, with the eye 1.6cm from the point. Two buttons are attached centrally to the cuff band, spaced 5cm apart. The first button is positioned 8cm from the eye of the covered buttonhole. An 'Inside view' shows the 5cm wide extension with a buttonhole.</p>	<ul style="list-style-type: none"> • Cuff band cut single ply in main fabric • 5cm wide with a pointed extension 5cm long • Bottom edge of the cuff is laid on top of the bottom end of the sleeve panel and attached • Top edge of cuff sewn to the sleeve panel • Extension positioned on the underarm seam • Point facing towards the front sleeve • Extension is to be double layered • Buttonhole 2.2cm long worked in the under layer of the extension • The eye 1.6cm from the point • Two buttons attached centrally to the cuff spaced 5cm apart on front of the cuff band • First button positioned 8cm from the eye of the covered buttonhole 	<p>1.06.02</p> <p>1.04.01</p>

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.9 COLLAR</p>	<ul style="list-style-type: none"> Stand collar cut two ply main fabric Depth at front edge 6cm at centre back 7cm Front and top edges to be edge stitched <p><u>Left side as worn</u></p> <ul style="list-style-type: none"> Throat tab cut two plies of main fabric Edge stitched 3cm wide 9cm long Sewn on collar through both plies Positioned centrally 1cm from front edge of collar Fastener loop element 25mm wide 2.5cm long Sewn on top and underside of tab Positioned 0.5cm from free end of tab Fastener hook element 25mm wide 2.5cm long Positioned on the collar centrally and in register with loop element on the underside of the tab Fastened when the tab is not in use <p><u>Right side as worn</u></p> <ul style="list-style-type: none"> Fastener hook element 25mm wide 5cm long Positioned on the collar centrally and the back edge in register with loop element on the topside of the tab 	<p>1.06.02</p> <p>1.06.02</p> <p>5.31.05</p>

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.10 HANGER</p> 	<ul style="list-style-type: none"> • Sewn at centre back neck centrally in the back seam • Effective length 6cm 	
<p>5.11 UPTURN</p> 	<ul style="list-style-type: none"> • 3cm upturn 	6.02.03

6. LABELLING REQUIREMENTS

Labels	Colour	Position
Identification and garment care labels	White	Attached to right front facing 20cm up from finished hem
MTP Camouflage registration label	White	Attached underneath the ID/Care label
Swing Ticket for insect repellent treated garments	Card	Removable but attached to finished garment

Care, size and camouflage registration labels for MTP only may be combined to produce one label.

The main material fibre content is to be added to the identification label

Identification Label

Information and format is to be as follows

For Stock Items

Item name, broad arrow, NATO stock number, size (number is to be 0.6cm high), contract number, indication of position for wearer's name/number and fibre content

Outsize

Item name, broad arrow, NATO stock number, name, number and measurements of wearer, contract number and fibre content

Manufacturer Information

Under no circumstances should the contractor's name, logo or trademark appear on any form of labelling or garment bags

6. LABELLING REQUIREMENTS continued

SPECIMEN LABELS - Identification Labels

Stock Items

JACKET, COMBAT, MTP
Insect repellent treated*[↑]
NSN: 8415-99-597-0434
Size: 170/112
NATO Size: 6070/0515
Contract No:
Name:
No:
(Fibre content to be added here)

*Amend as appropriate

Outsize

JACKET COMBAT, MTP
Insect repellent treated*[↑]
NSN: 8415-99-597-0447
Name:
No:
Height:
Chest:
Contract No:
(Fibre content to be added here)

Untreated

JACKET COMBAT,
MTP*[↑]
NSN: 8415-99-597-0448
Name:
No:
Height:
Chest:
Contract No:
(Fibre content to be added here)

Care Label

	Wash as synthetic Gentle Process
	DO NOT BLEACH
	Tumble dry at lower temperature
	Warm Iron
	DO NOT DRY CLEAN
Do not iron touch and close fasteners	
THIS GARMENT HAS AN INSECTICIDE TREATMENT THIS GARMENT HAS BEEN TREATED WITH PERMETHRIN	

* delete for untreated garments

MTP Camouflage Registration Label

This should be a separate label or part of a composite care label

Camouflage Pattern
Registered Design No.
RCD001627035-0001

6. LABELLING REQUIREMENTS continued

Swing ticket – for insect repellent treated garments

IMPORTANT INFORMATION

The cloth in this garment has been given a treatment, based on Permethrin, which repels insects.

The treatment is durable to washing and will last 50 washes in a washing machine.

If you normally wash this garment once a week in a washing machine the treatment will last for 1 year.

If you regularly field wash the garment the treatment will last approximately 6 months.

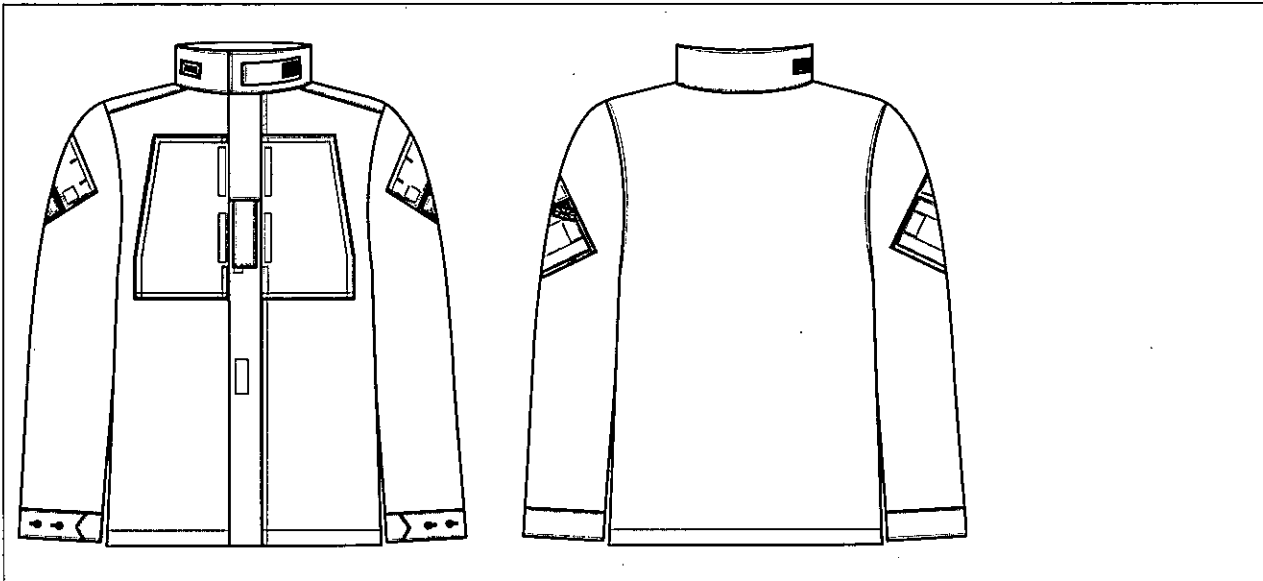
The treatment is effective on the clothing but for full protection insect repellent must be applied to bare skin.

6. LABELLING REQUIREMENTS continued

NATO Stock Numbers and Size

MTP Insect repellent treated	Blue Camouflage		
NATO Stock No.		Size	NATO size
8415-99-597-0428	8415-99-597-0910	160/88	5060/8590
8415-99-597-0429	8415-99-597-0911	160/96	5060/9095
8415-99-597-0430	8415-99-597-0912	160/104	5060/9505
8415-99-597-0431	8415-99-597-0913	170/88	6070/8590
8415-99-597-0432	8415-99-597-0914	170/96	6070/9095
8415-99-597-0433	8415-99-597-0915	170/104	6070/9505
8415-99-597-0434	8415-99-597-0916	170/112	6070/0515
8415-99-597-0435	8415-99-597-0917	180/96	7080/9095
8415-99-597-0436	8415-99-597-0918	180/104	7080/9505
8415-99-597-0437	8415-99-597-0919	180/112	7080/0515
8415-99-597-0438	8415-99-597-0920	180/120	7080/1520
8415-99-597-0439	8415-99-597-0921	190/96	8090/9095
8415-99-597-0440	8415-99-597-0922	190/104	8090/9505
8415-99-597-0441	8415-99-597-0923	190/112	8090/0515
8415-99-597-0442	8415-99-597-0924	190/120	8090/1520
8415-99-597-0443	8415-99-597-0925	200/104	9000/9505
8415-99-597-0444	8415-99-597-0926	200/112	9000/0515
8415-99-597-0445	8415-99-597-0927	200/120	9000/1520
8415-99-597-0446	8415-99-597-0928	200/128	9000/2030
8415-99-597-0447	8415-99-597-0929	Outsize	
8415-99-597-0448	8415-99-597-0930	Untreated garments	

7. TECHNICAL DATA SHEETS



Jacket, Combat, Multi-Terrain Pattern (MTP)

Specification No.	DC/MS/6603-1
Item Description	JACKET, COMBAT, MULTI-TERRAIN PATTERN
Pattern No.	D02298A (TREATED) D02298A TG (UNTREATED)
NATO Stock No.	8415-99-597-0428 to 0447 (TREATED) 8415-99-597-0448 (UNTREATED)

Scope:
A combat jacket in multi-terrain patterned fabric, as part of the Personal Clothing System (PCS), Combat Uniform (CU). It is insect repellent treated as standard issue. The size schedule provides for nineteen sizes and Outsize for treated garments **Untreated garments** have to be ordered separately on one NSN and are available in stock sizes or outsize as appropriate

Jacket, Combat, Blue Camouflage

Specification No.	DC/MS/6603-1
Item Description	JACKET, COMBAT, BLUE CAMOUFLAGE
Pattern No.	D02298A TG
NATO Stock No.	8415-99-597-0910 to 0929 (TREATED) 8415-99-597-0930 (UNTREATED)

Scope:
A combat jacket in Blue Camouflage fabric, as part of the Personal Clothing System (PCS), Combat Uniform (CU). It is insect repellent treated as standard issue. The size schedule provides for nineteen sizes and Outsize for treated garments **Untreated garments** have to be ordered separately on one NSN and are available in stock sizes or outsize as appropriate

7. TECHNICAL DATA SHEETS continued

Related Specifications	Title
BS EN ISO 105 Part C06	Textiles. Tests for colour fastness Colour fastness to domestic and commercial laundry
BS EN ISO 3758	Textiles. Care labelling code, using symbols
BS EN 12590	Textiles. Industrial sewing threads made wholly or partly from synthetic fibres
BS 3870 Part 1 & 2	Stitches and seams
BS 5742	Textile labels requiring to be washed and/or dry cleaned
BS 3866	Specification for holes and shanks for buttons
BS 4162	Method of test for buttons
DEF STAN 83-86	Specification for touch and close fasteners
UK/SC/4559	Slide fasteners. Metallic and non-metallic chains
UK/SC/4782	Cord, braided nylon
UK/SC/5843	Cloth, 2x1 twill, polyester/cotton lightweight, camouflage pattern
UK/SC/5929	Badge, organisation arm union flag
UK/SC/6069	Cloth, twill, cotton & polyester camouflage pattern with ripstop
UK/SC/6600	Camouflage patterns

8. BILL OF MATERIALS

Fabric	
Reference	Description
INSECT REPELLENT TREATED	
MAIN MATERIAL FOR MTP INSECT REPELLENT TREATED GARMENTS Pattern No. MAT0037A to UK/SC/6069 Printed to UK/SC/6600, Pattern No MAT0006B	Cloth, twill, cotton & polyester, with ripstop Multi-Terrain Pattern, Insect Repellent Treated
MAIN MATERIAL FOR BLUE CAMOUFLAGE INSECT REPELLENT TREATED GARMENTS Pattern No. MAT0037F to UK/SC/6069 for colour and MAT0013A for print	Cloth, twill, cotton & polyester, with ripstop Blue Camouflage, Insect Repellent Treated
UNTREATED	
MAIN MATERIAL FOR MTP UNTREATED GARMENTS Pattern No. MAT0013C to UK/SC/6069 Printed to UK/SC/6600 Pattern No MAT0006B	Cloth, twill, cotton & polyester, with ripstop Multi-Terrain Pattern
MAIN MATERIAL FOR BLUE CAMOUFLAGE UNTREATED GARMENTS Pattern No. MAT0013F to UK/SC/6069 for colour and MAT0013A for print	Cloth, twill, cotton & polyester, with ripstop Blue Camouflage

Components	Size/Colour	Reference/Description	Notes/NATO Stock No.
<i>For MTP garment-Light Olive, components are to closely match Pantone shade 18-0820TC</i>			
<i>For Blue Camouflage garment-Blue, components are to closely match Pantone shade 19-4110TC</i>			
Slide fastener	Length in accordance with the size schedule	FRONT OPENING Medium weight polyester, polyamide, spiral chain, closed end, auto-locking slider, top stop, 11mm stringer	UK/SC/4559
Cord	6mm	HANGER, BUTTON FASTENINGS, BECKETTS Cord, braided, nylon	UK/SC/4782 Pattern No.9483E
Fastener tape	20mm 25mm	Tape fastener, hook and loop Selvedges are to be finished/sealed to prevent fraying BLANKING PLATE CHEST POCKET, COLLAR, FRONT FASTENING, RANK STRAP, BICEP POCKETS	DEF STAN 83-86

8. BILL OF MATERIALS continued

Components	Size/Colour	Reference/Description	Notes/NATO Stock No.
Union Flag		BLANKING PLATE Badge, Organisation Arm Union Flag	8455-99-978-8929 Pattern number 24805 to UK/SC/5929
Button	19mm	CUFFS Button, Slotted matt finish	BS 3866 and BS 4162 Pattern No. 28988 to guide
Identification/ care instruction label	White	Refer to Section 6	BS 5742 Paragraph 3 and BS EN ISO 3758 Max colour change of print: after 5 x wash cycles to BS EN ISO 105 CO6: C2S to be 3
Swing Ticket	Card	Refer to section 6	For treated garments only
Thread	Metric Ticket No	Polyester/cotton corespun	BS EN 12590
	12	BUTTONHOLES	Gimp
	180	OVEREDGE STITCHING	
	75	ALL OTHER SEWING	



**Manufacturing Specification for
SHIRT, BARRACK, Multi-Terrain Pattern (MTP)**

Defence Clothing (DC)

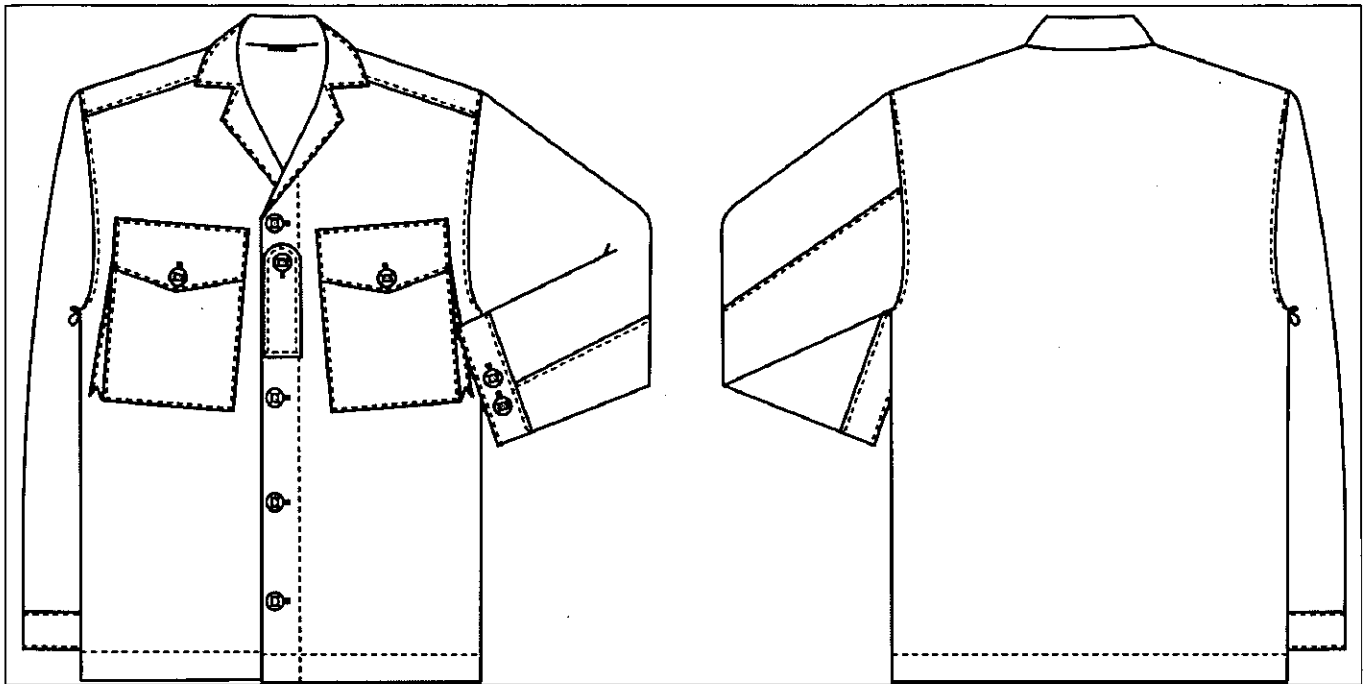
PROPERTY OF
MINISTRY OF DEFENCE



THE PRODUCT

Item Description	NATO Stock No(s)	Pattern No
Shirt, Barrack, Multi-Terrain Pattern (MTP)	8405-99-841-4780 to 4799	D02558

Technical Support	Refer to DC Manual for contact details
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Any colour shown in this document is for representation and must not be used for colour matching.

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1. ISSUE RECORD

Issue No.	Comments	Issue Date
3	<p>Altered drawings to the correct orientation</p> <p>Changed "two piece" pivot sleeve to one piece page 13</p>	22 April 2015
2	<p>Sleeve length increased by 2cm on all sizes, to take into account shrinkage of fabric</p> <p>Removal of top button and buttonhole.</p> <p>Change of positioning of buttonholes to negate the gaping problem</p> <p>Height groups 160 and 170 to have 5 buttons</p> <p>Height groups 180,190 and 200 to have 6 buttons</p> <p>Extension of rank strap to 15cm and repositioning to take account of the movement of the buttonholes</p>	16 April 2015
1	<p>New specification derived from UK/SC/5400 Issue 12</p> <p>Main design unchanged, but with the removal of the front slide fastener. Using untreated warm weather material to UK/SC/6069</p>	27 November 2014

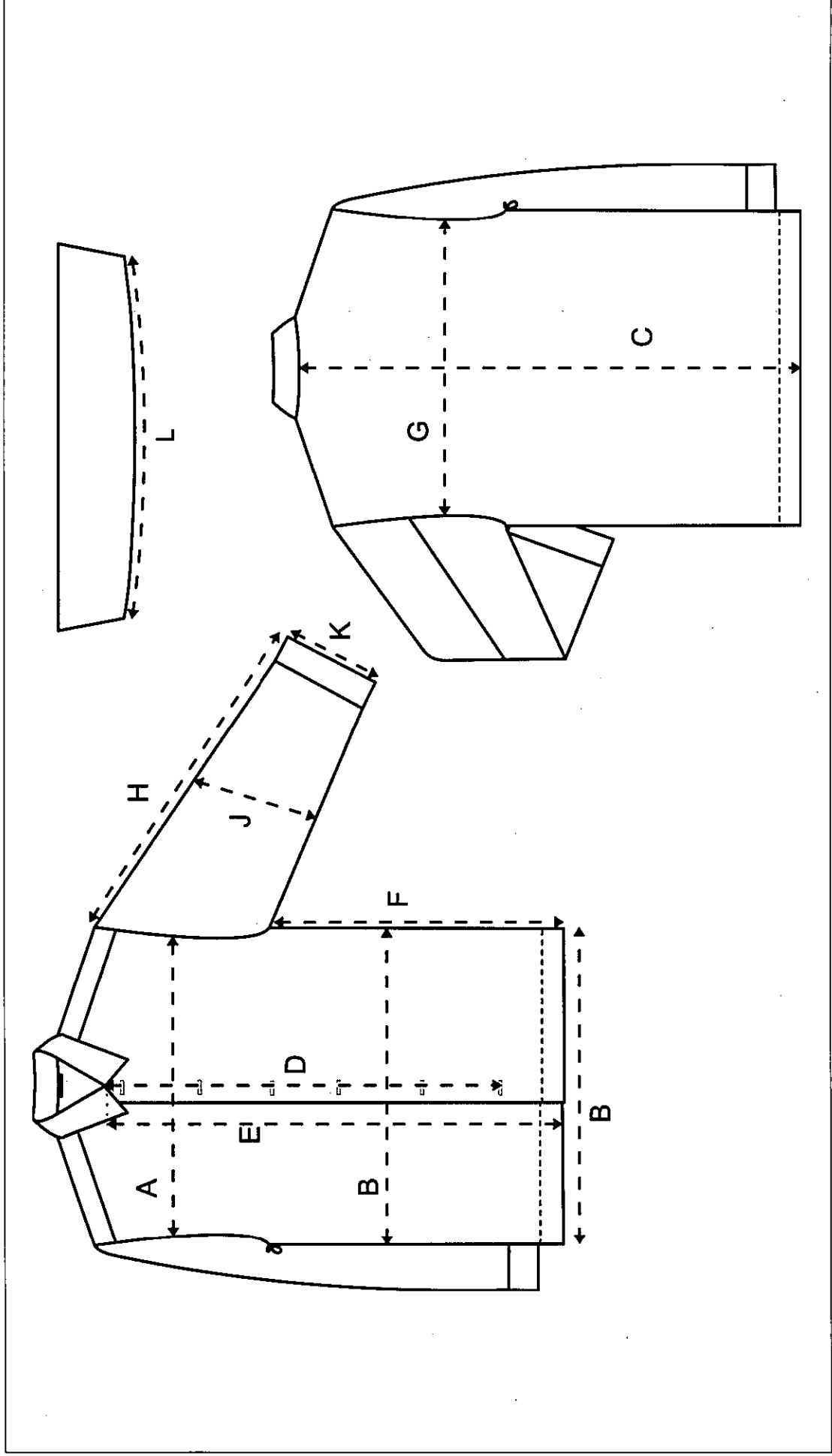
2. BILL OF MATERIALS

Refer to Technical Data Sheets at Section 7.

3. PATTERNS

- a. Master Patterns: DC holds a Master Pattern for this product. Potential contractors may view the pattern on site by arrangement with the DC Commercial Department.
- b. Standard Patterns: A Standard Pattern may be obtained from the DC Technical Information Office and may be used to provide the criteria for all materials, components and manufacturing features not fully defined in this specification.
- c. Electronic Patterns: Electronic patterns in 'Gerber®' format, to guide for manufacture may be obtained from the DC Technical Information Office.

4. GARMENT SIZING. All measurements in centimeters: Garment fastened and laid flat



4. GARMENT SIZING continued

All measurements in centimeters: Garment fastened and laid flat

Size Height /chest	Chest - 14cm below collar seam at centre front	Waist and bottom hem when fastened	Back length - From collar seam to bottom edge	Front length - From collar seam to		Side seam length - From sleeve pivot to bottom edge	Back width - 20cm from centre back neck seam	Sleeve		Collar length at neck seam	
				Bottom buttonhole	Bottom edge			Length from crown including cuff	Width Around elbow - At half under arm seam		Cuff
	A	Bx2	C	D	E	F	G	H	Jx2	Kx2	L
160/88	48	106		48	61	29	42	55	43	18	41
160/96	50	114	68				45		47	20	43
160/104	52	122					48		47	20	45
170/88	48	106					42		43	18	41
170/96	50	114	73	53	66	34	45	60	47	20	43
170/104	52	122					48		47	20	45
170/112	54	130					51		47	20	47
180/96	50	114					45				43
180/104	52	122	78	58	71	39	48	65	47	20	45
180/112	54	130					51				47
180/120	56	138					54				49

4. GARMENT SIZING continued

All measurements in centimeters: Garment fastened and laid flat

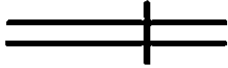
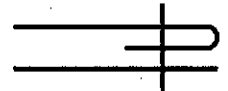
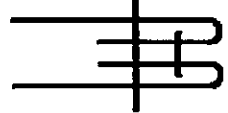
Size	Chest - 14cm below collar seam at centre front	Waist and bottom hem when fastened	Back length - From collar seam to bottom edge	Front length - From collar seam to		Side seam length - From sleeve pivot to bottom edge	Back width - 20cm from centre back neck seam	Sleeve		Collar length at neck seam	
				Bottom buttonhole	Bottom edge			Length from crown including cuff	Width Around elbow - At half under arm seam		Cuff
Height /chest	A	Bx2	C	D	E	F	G	H	Jx2	Kx2	L
190/96	50	114					45				43
190/104	52	122	83	61	76	44	48	70	47	20	45
190/112	54	130					51				47
190/120	56	138					54				49
200/104	52	122					48				45
200/112	54	130	88	68	81	49	51	75	47	20	47
200/120	56	138					54				49
200/128	58	146					57				51


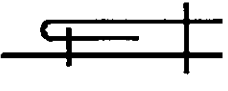
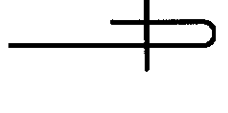
Outsize garments are to be made to the wearer's measurements to be supplied to the contractor. The schedule is then to be used as a guide for the allowance over the seam measure of the wearer and measurements not shown on the special measure form.

5. CONSTRUCTION

SEAMS AND STITCHING to BS 3870
<ul style="list-style-type: none"> • Seams are to be seam type 1.01.01 with edges over edge stitched together • Shoulder, sides, sleeves, and armholes, are to be sewn using stitch type 301 or 401 • Stitch length: 8-10 stitches per 2cms • All other stitching 301 • All raw edges to be finished using stitch type 502 503 504 or 505 • Shoulder, side, sleeve and armhole seams, pocket flaps, rank strap and collar are to be stitched 0.6cm from the edge. The stitching is to be regular and unbroken • Buttonholes are to have at least twenty-two stitches per 2cm and be either bar tacked or taper barred • Buttons are to be securely attached with cord, braided, nylon using seam type 5.31.05 • The cord is to form a shank 1cm long and the ends of the cord are to be heat sealed
GENERAL REQUIREMENTS
<ul style="list-style-type: none"> • A stain free lubricant may be used on threads. • All seams to be free from pucker • The garments are to be free from thread ends, be pressed and delivered in a clean condition

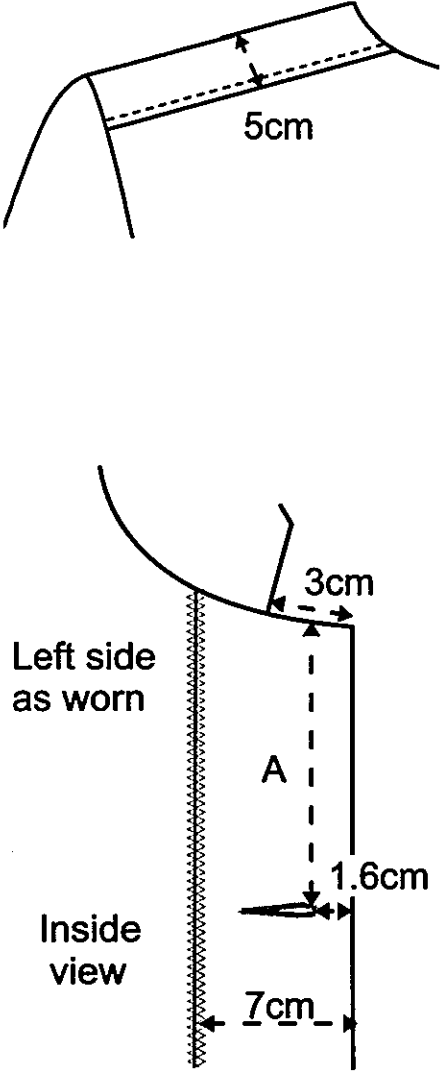
The following seam types are referenced in this specification

	1.01.01
	1.04.01
	1.06.02

	5.31.01
	5.31.05
	6.02.01

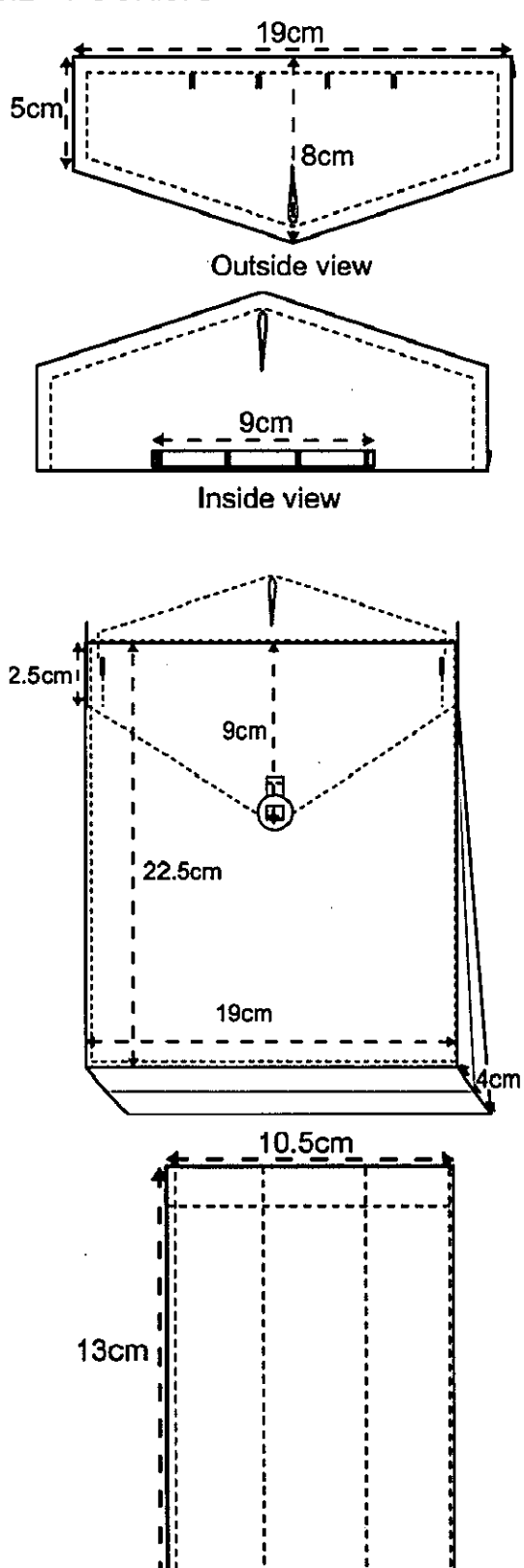
PART	DETAIL	BS 3870
DESIGN	<ul style="list-style-type: none"> • Front button closure • Collar • Bellows chest pockets with internal pen pockets, button closure • One piece pivot sleeve • Union flag attached to top of left sleeve • Adjustable cuffs with buttons • Rank strap 	

5. CONSTRUCTION continued

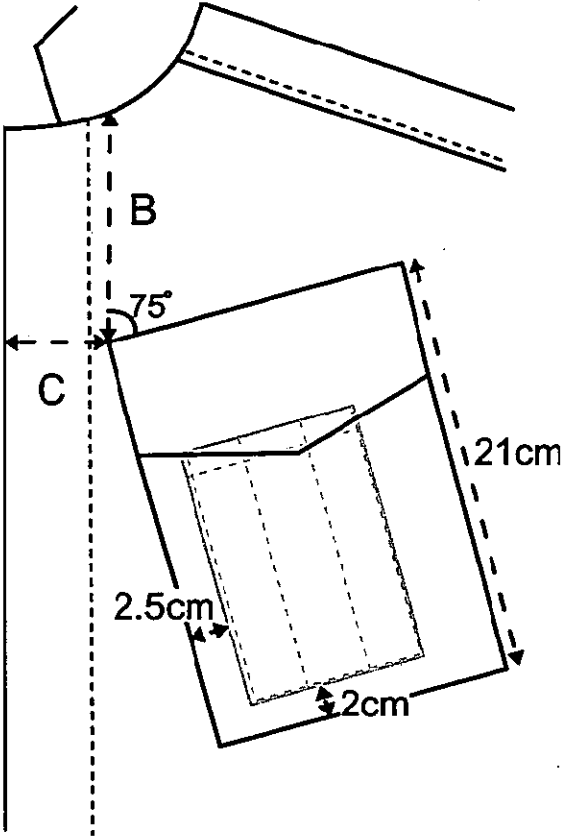
PART	DETAIL	BS 3870																		
<p>5.1 FRONT</p> 	<ul style="list-style-type: none"> Shoulder seam set forward 5cm Seam topstitched 0.6cm <p><u>Left front as worn</u></p> <ul style="list-style-type: none"> Left front with 7cm grown on facing 3cm step for collar attachment 6 or 5 buttonholes (depending on height group see table below) 2.2cm long, to be worked in left forepart Positioned 1.6cm from front edge 1st button hole positioned as table below:- <table border="1" data-bbox="592 884 1321 1249"> <thead> <tr> <th>Height group</th> <th>Number of buttons</th> <th>Distance from collar seam A</th> </tr> </thead> <tbody> <tr> <td>160</td> <td>5</td> <td>11</td> </tr> <tr> <td>170</td> <td>5</td> <td>11.5</td> </tr> <tr> <td>180</td> <td>6</td> <td>12</td> </tr> <tr> <td>190</td> <td>6</td> <td>12.5</td> </tr> <tr> <td>200</td> <td>6</td> <td>13</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Last buttonhole positioned as size schedule (Section 4) Remaining buttonholes to be spaced equidistantly between the 1st and last buttonhole 	Height group	Number of buttons	Distance from collar seam A	160	5	11	170	5	11.5	180	6	12	190	6	12.5	200	6	13	<p>6.02.01</p>
Height group	Number of buttons	Distance from collar seam A																		
160	5	11																		
170	5	11.5																		
180	6	12																		
190	6	12.5																		
200	6	13																		

PART	DETAIL	BS 3870
<p>5.1 FRONT continued</p> <p>Left side as worn</p> <p>Outside view</p> <p>15cm</p> <p>5cm</p> <p>1.5cm</p> <p>Right side as worn</p> <p>Outside view</p> <p>5cm</p>	<p><u>Rank strap</u></p> <ul style="list-style-type: none"> Rank strap cut two ply in main fabric with a rounded end 5cm wide and 15cm long Topstitched 0.6cm Sewn on the outside of the left forepart Positioned 1cm from front edge and 1.5cm above 3rd buttonhole 2.2cm buttonhole to be worked centrally 1.6cm from free end One button to be securely attached to the front, vertically and in register with the buttonhole <p><u>Right front as worn</u></p> <ul style="list-style-type: none"> Right front with 7cm grown on facing 3cm step for collar attachment 6 OR 5 buttons to be securely attached to the right forepart Centre of button positioned 5cm from front edge and in register with buttonholes 	<p>1.06.02</p> <p>5.31.05</p> <p>6.02.01</p> <p>5.31.05</p>

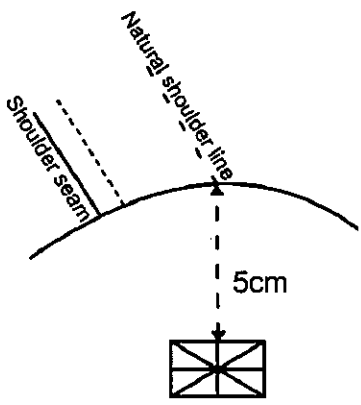
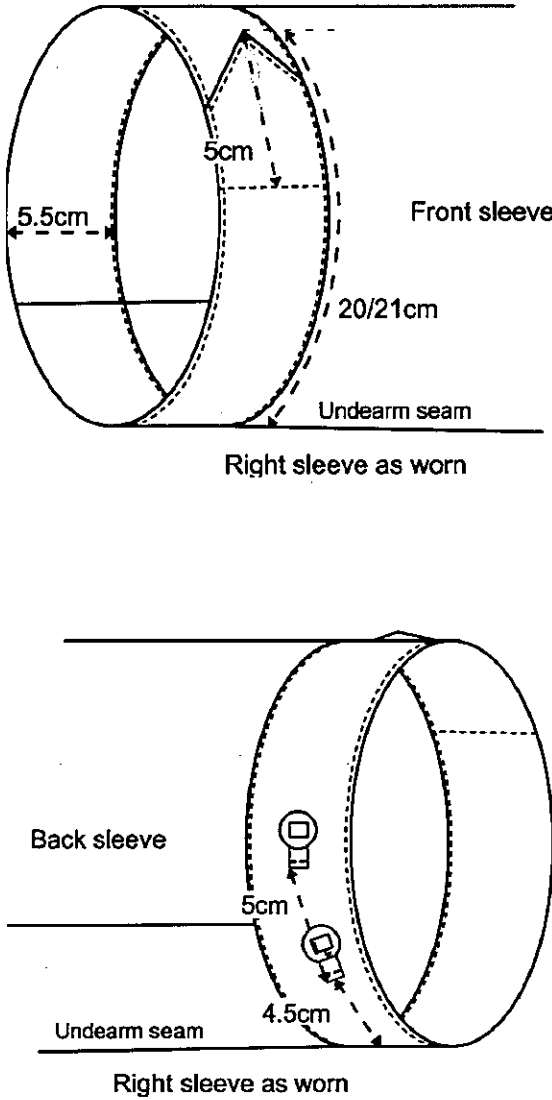
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.2 POCKETS</p>  <p>The diagrams show the following dimensions:</p> <ul style="list-style-type: none"> Pointed pocket flap (Outside view): 19cm wide at the top, 5cm deep at the sides, and 8cm deep at the center. Pointed pocket flap (Inside view): 9cm wide at the top, divided into three 3cm loops. Bellows patch pocket: 19cm wide, 22.5cm deep, with a 9cm deep front flap and a 4cm deep bellows section. Pen pocket: 10.5cm wide and 13cm deep, with a 1cm inturn at the top edge. 	<p><u>Flap</u></p> <ul style="list-style-type: none"> Pointed pocket flap, 2 ply of main material 5cm deep at sides, 8cm deep at centre and 19cm wide 2.2cm buttonhole to be worked centrally 1.6cm from free end Topstitched 0.6cm A becket effective length 9cm Divided into three equal 3cm loops with bar tacking Positioned centrally on the top of the inside of the flap <p><u>Bellows patch pocket</u></p> <ul style="list-style-type: none"> 19cm wide, 22.5cm deep Bellows 4cm deep at bottom tapering to 1cm at top Side and bottom edges of pocket bellows edge stitched Pocket facing shaped as standard pattern and 9cm deep at front Button securely attached to front of pocket and in register with the buttonhole on the flap Top edge of patch to be positioned to overlap the top of the flap by 2.5cm Securely tacked at the top corners of the patch Finished pocket to measure 19cm wide by 21cm long <p><u>Pen pocket</u></p> <ul style="list-style-type: none"> 10.5cm wide 13cm deep 1cm inturn at top edge Divided into three, with 2 rows of stitching 	<p>5.31.05</p> <p>1.06.02</p> <p>5.31.01</p> <p>6.02.01</p> <p>5.31.05</p> <p>5.31.01</p> <p>6.02.01</p>

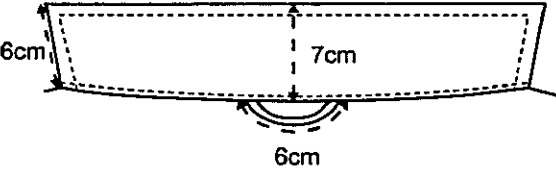
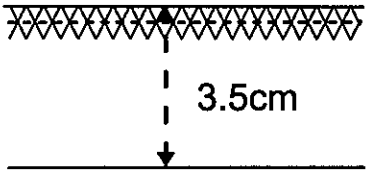
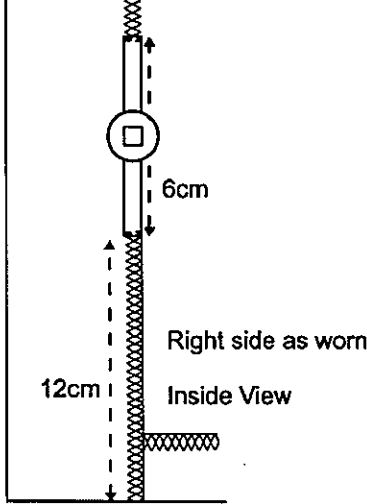
5. CONSTRUCTION continued

PART	DETAIL	BS 3870																								
<p>5.2 POCKETS continued</p> 	<ul style="list-style-type: none"> • Pen pocket to be securely attached to each front • Positioned so that it is 2cm from the bottom and 2.5cm from side of chest pocket • Chest pocket to be securely attached to each front <p>Positioned at an angle of $75^{\circ} \pm 5^{\circ}$ (in production pockets must be symmetrical)</p> <p>Top corner positioned as follows</p> <table border="1" data-bbox="667 824 1321 1191"> <thead> <tr> <th>Size-Height</th> <th>Distance from collar seam B</th> </tr> </thead> <tbody> <tr><td>160</td><td>15cm</td></tr> <tr><td>170</td><td>16cm</td></tr> <tr><td>180</td><td>17cm</td></tr> <tr><td>190</td><td>18cm</td></tr> <tr><td>200</td><td>19cm</td></tr> </tbody> </table> <table border="1" data-bbox="667 1249 1321 1572"> <thead> <tr> <th>Size-Chest</th> <th>Distance from front edge C</th> </tr> </thead> <tbody> <tr><td>88 & 96</td><td>7cm</td></tr> <tr><td>104</td><td>7.5cm</td></tr> <tr><td>112</td><td>8cm</td></tr> <tr><td>120</td><td>8.5cm</td></tr> <tr><td>128</td><td>9cm</td></tr> </tbody> </table>	Size-Height	Distance from collar seam B	160	15cm	170	16cm	180	17cm	190	18cm	200	19cm	Size-Chest	Distance from front edge C	88 & 96	7cm	104	7.5cm	112	8cm	120	8.5cm	128	9cm	<p>5.31.01</p>
Size-Height	Distance from collar seam B																									
160	15cm																									
170	16cm																									
180	17cm																									
190	18cm																									
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Size-Chest	Distance from front edge C																									
88 & 96	7cm																									
104	7.5cm																									
112	8cm																									
120	8.5cm																									
128	9cm																									

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.3 SLEEVE</p>  <p>The diagram shows a curved line representing the sleeve head. A dashed line labeled 'Natural shoulder line' curves from the top left towards the center. A solid line labeled 'Shoulder seam' is below it. A vertical dashed line extends from the 'Natural shoulder line' down to a square symbol with an 'X' inside, representing a Union Flag. The distance between the 'Natural shoulder line' and the Union Flag is marked as 5cm.</p>	<ul style="list-style-type: none"> One piece pivot sleeve <p><u>Union Flag</u></p> <ul style="list-style-type: none"> Union Flag attached centrally on the left sleeve head as worn 5cm down from the sleeve seam 	
<p>5.4 CUFF</p>  <p>The top diagram shows a 'Front sleeve' with a cuff. The cuff has a width of 5.5cm and a pointed extension that is 5cm long. The sleeve length is marked as 20/21cm. The 'Undearam seam' is indicated. The bottom diagram shows a 'Back sleeve' with a cuff. It features two buttons on the cuff band, one positioned 4.5cm from the 'Undearam seam' and another 5cm from the first button.</p>	<ul style="list-style-type: none"> Cuff band cut single ply in main fabric 5.5cm wide with a pointed extension 5cm long Bottom edge of the cuff is laid on top of the bottom end of the sleeve panel and attached Top edge of cuff sewn to the sleeve panel Extension positioned with the point forward of the underarm seam 20cm for Chest size 88 and 21cm for all other sizes Buttonhole 2.2cm long worked in the under layer of the extension The eye 1.6cm from the point Two buttons attached centrally to the cuff spaced 5cm apart on back of the cuff band First button positioned 4.5cm from underarm seam 	<p>1.06.02</p> <p>1.04.01</p>

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.5 COLLAR AND HANGER</p> 	<ul style="list-style-type: none"> • Collar is to be of two ply of main material. • 7cm deep at the centre back and 6cm deep at the fronts • The bottom edge of the outer ply is to be seamed to the neck • The bottom edge of the inner ply is to be turned in and edge stitched to the neck • A hanger, effective length 6cm is to be sewn in the collar seam at the inside centre back neck 	<p>6.02.01</p>
<p>5.6 HEM</p> 	<ul style="list-style-type: none"> • 3.5cm hem, with a stitch line through over locking 	<p>6.02.01</p>
<p>5.7 SPARE BUTTON</p> 	<ul style="list-style-type: none"> • One spare buttons to be attached to the right front facing as worn • Becket to be a minimum of 6cm long, tacked at each end • Bottom of becket to be 12cm from bottom hem 	

6. LABELLING REQUIREMENTS

Refer to DC Manual for additional information on garment labelling

Labels	Colour	Position
Identification and garment care labels	White	Attached to right front facing 20cm up from finished hem

Washcare and identification labels may be combined to produce one label

The main material fibre content is to be added to the identification label.

Identification Label

Information and format is to be as follows:

For stock sizes

Item name, broad arrow, NATO stock number, NATO size, size, contract number, indication of position for wearer's name/number and fibre content; the size number is to be 0.6cm high

For outsize


Item name, broad arrow, NATO stock number, name, number and measurements of wearer, contract number and fibre content

Manufacturer Information


Under no circumstances should the contractor's name, logo or trademark appear on any form of labelling or garment bags

Specimen labels

Stock sizes






SHIRT, BARRACK, MTP 8415-99-841-4787 NATO SIZE: 7080/9095 Size: Height/Chest 180/96 Contract No: Name: No: (Fibre content to be added here)	
---	---

Outsize

SHIRT, BARRACK, MTP 8405-99-841-4799 Name: No: Height: Chest: Contract No: (Fibre content to be added here)	
--	---

6. LABELLING REQUIREMENTS continued

Care Label

	Wash as synthetic Gentle Process
	DO NOT BLEACH
	Tumble dry at lower temperature
	Warm Iron
	DO NOT DRY CLEAN
Do not iron touch and close fasteners	
THIS GARMENT DOES NOT HAVE INSECT REPELLENCY	

Camouflage Registration Label

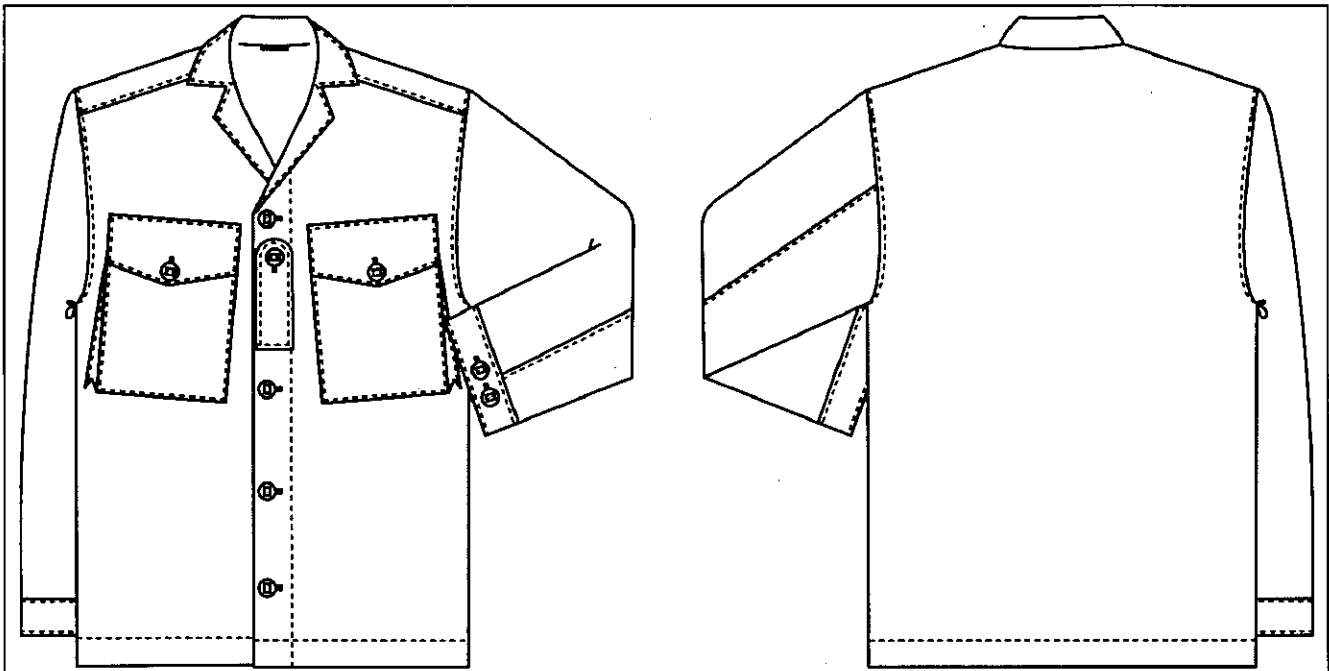
This should be a separate label or part of a composite care label

Camouflage Pattern Registered Design No. RCD001627035-0001
--

NATO Size and Stock Numbers

NATO Stock No.	NATO Size	Size No. Height/Chest
8405-99-841-4780	5060/8590	160/88
8405-99-841-4781	5060/9095	160/96
8405-99-841-4782	5060/9505	160/104
8405-99-841-4783	6070/8590	170/88
8405-99-841-4784	6070/9095	170/96
8405-99-841-4785	6070/9505	170/104
8405-99-841-4786	6070/0515	170/112
8405-99-841-4787	7080/9095	180/96
8405-99-841-4788	7080/9505	180/104
8405-99-841-4789	7080/0515	180/112
8405-99-841-4790	7080/1520	180/120
8405-99-841-4791	8090/9095	190/96
8405-99-841-4792	8090/9505	190/104
8405-99-841-4793	8090/0515	190/112
8405-99-841-4794	8090/1520	190/120
8405-99-841-4795	9000/9505	200/104
8405-99-841-4796	9000/0515	200/112
8405-99-841-4797	9000/1520	200/120
8405-99-841-4798	9000/2030	200/128
8405-99-841-4799	Outsize	

7: TECHNICAL DATA SHEETS



Shirt, Barrack, Multi-Terrain Pattern

Specification No.	DC/MS/6915
Item Description	SHIRT, BARRACK, MTP
Pattern No.	D02558
NATO Stock No.	8405-99-841-4780 to 4799

SCOPE

Designed primarily to satisfy an in-barracks requirement but may have a limited capability on operations when sustained wear of combat body armour (CBA) is not required. Its primary use should allow a smarter uniform option and enhance the Army's professional image. The material does not have insect repellency.

The size schedule provides for nineteen sizes and outside.

7. TECHNICAL DATA SHEETS continued

Related Specifications	Title
BS EN ISO 105 Part C06	Textiles. Tests for colour fastness Colour fastness to domestic and commercial laundry
BS EN ISO 3758	Textiles. Care labelling code using symbols
BS EN 12590	Textiles Industrial sewing threads made wholly or partially from synthetic fibres
BS 3870 Parts 1 and 2	Stitches and seams
BS 5742	Specification for textile labels requiring to be washed and / or dry cleaned
UK/SC/4782	Cord, braided, nylon
UK/SC/5121	Buttons, sewing, various
UK/SC/5929	Badge, organisation arm union flag
UK/SC/6069	Cloth, twill, cotton & polyester camouflage pattern with ripstop
UK/SC/6600	Camouflage patterns
MAT0013C	Cloth, twill, cotton and polyester, multi-terrain pattern with ripstop, IRR

BILL OF MATERIALS

Fabric	
MAIN MATERIAL Pattern No. MAT0013C to UK/SC/6069 Printed to UK/SC/6600 Pattern No MAT0006B	Cloth, twill with ripstop, cotton & polyester, Multi-Terrain Pattern

Components	Size/Colour	Reference/Description	Notes/NATO Stock No.
Light Olive components are to closely match Pantone shade 18-0820TC			
Cord	Light Olive	FOR BUTTON FASTENINGS, BREAST POCKETS AND HANGER Cord braided nylon	Pattern No. 9483E to UK/SC/4782
Buttons	19 mm 30 ligne Light Olive	FRONT OPENING, POCKETS and CUFFS Slotted, Matt finish	Pattern No. 28988 to guide To UK/SC/5121

BILL OF MATERIALS continued

Components	Size/Colour	Reference/Description	Notes/NATO Stock No.
<i>Light Olive components are to closely match Pantone shade 18-0820TC</i>			
Union Flag	One size	Badge, Organisation Arm Union Flag	8455-99-978-8929 Pattern number 24805 to UK/SC/5929
Identification/care instruction label	White	Refer to item specification for detail	BS 5742 Paragraph 3 and BS EN ISO 3758 Max colour change of fabric and print: after 5 x wash cycles to BS EN ISO 105 CO6: C2S to be 3
Sewing Threads	Light Olive 12's 75's 180's 50's	Polyester/Cotton core spun BUTTONHOLES EYELETS AND BUTTONHOLES OVEREDGING ALL OTHER SEWING	To BS EN 12590 Gimp



**Manufacturing Specification for
TROUSER, COMBAT,
Personal Clothing System (PCS),
Various**

Defence Clothing (DC)

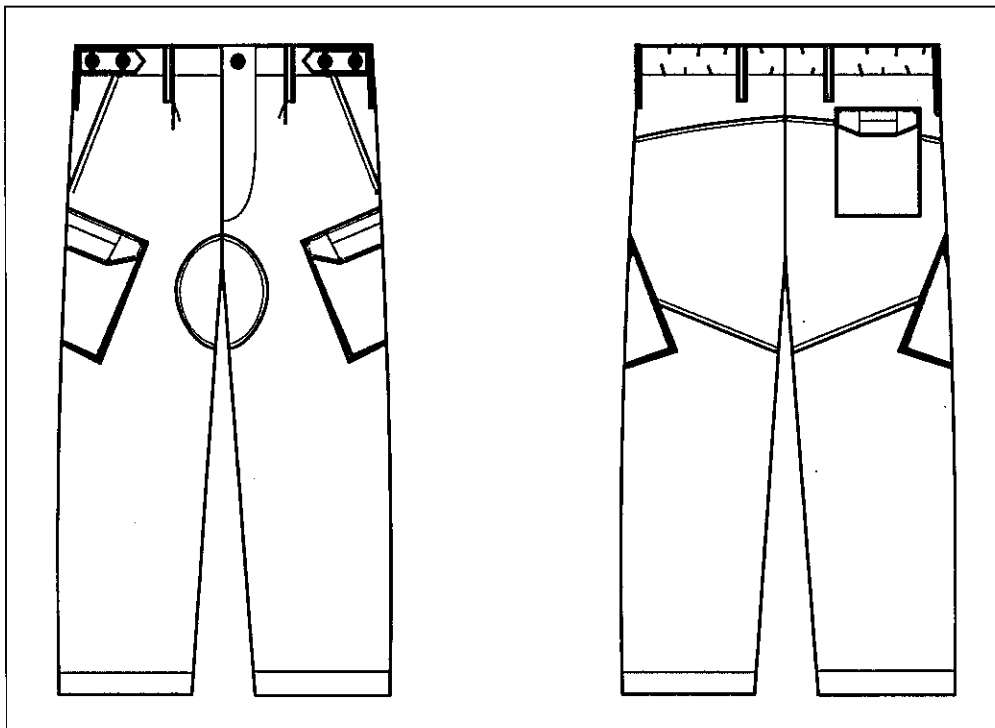
PROPERTY OF
MINISTRY OF DEFENCE



THE PRODUCT

Item Description	NATO Stock No(s)	Pattern No.
TROUSER, COMBAT, Multi-Terrain Pattern, Insect Repellent Treated	8415-99-317-8270 to 8304	D01754A
TROUSER, COMBAT, Multi-Terrain Pattern, Untreated	8415-99-410-4582	D01754A to guide
TROUSER, COMBAT, Blue Camouflage, Insect Repellent Treated	8415-99-752-1536 to 1570	D01754A to guide
TROUSER, COMBAT, Blue Camouflage, Untreated	8415-99-752-1571	D01754A to guide

Technical Support	Defence Clothing
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IPR STATEMENT

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1. ISSUE RECORD

Issue No	Comments	Issue Date
6	<p>Introduction of Blue Camouflage version NSNs 8415-99-752-1536 to 1571</p> <p>Specification title updated</p> <p>Removal of reference to warm weather</p> <p>Removal of temperate trousers.</p> <p>Section 5 reformatted</p>	19 February 2018
5	Correction to drawing on page 13 right hip	27 July 2015
4	<p>Addition of suffix A to Pattern Number D01754</p> <p>Pages 11, 12 and 15: Cord, braided, nylon changed to 9mm from 6mm</p> <p>Page 17 : Add 9mm wide to drawcord description</p> <p>Page 26: add "AND LEG HEM" to Cord description</p>	30 April 2014
3	<p>Page 2 & 23: Main drawings changed to reflect the introduction of the adjustable waistband</p> <p>Page 3: Deletion of 'No changes, etc' paragraph</p> <p>Page 8: Design description changed to reflect the introduction of the adjustable waistband</p> <p>Page 15: Introduction of adjustable waistband</p> <p>Page 19: Addition of Broad Arrow to label</p> <p>Page 24: BS 7141 Part 5 added to related documents</p> <p>Page 26: Elastic added to Bill of Materials</p>	08 January 2014
2	<p>Pg 19 & 20: Fibre content clause added</p> <p>Pg 21: Care label up dated</p>	10 May 2013
1	<p>New Spec number derived from DC/MS/6602 to accommodate DC/MS/6602-2 (RN) and DC/MS/6602-3 (RAF) versions.</p> <p>Introduction of insect repellent finish to warm weather trousers and a separate NSN for an untreated version</p> <p>Change of shade name from Olive green to Light Olive</p>	31 August 2011

2. BILL OF MATERIALS

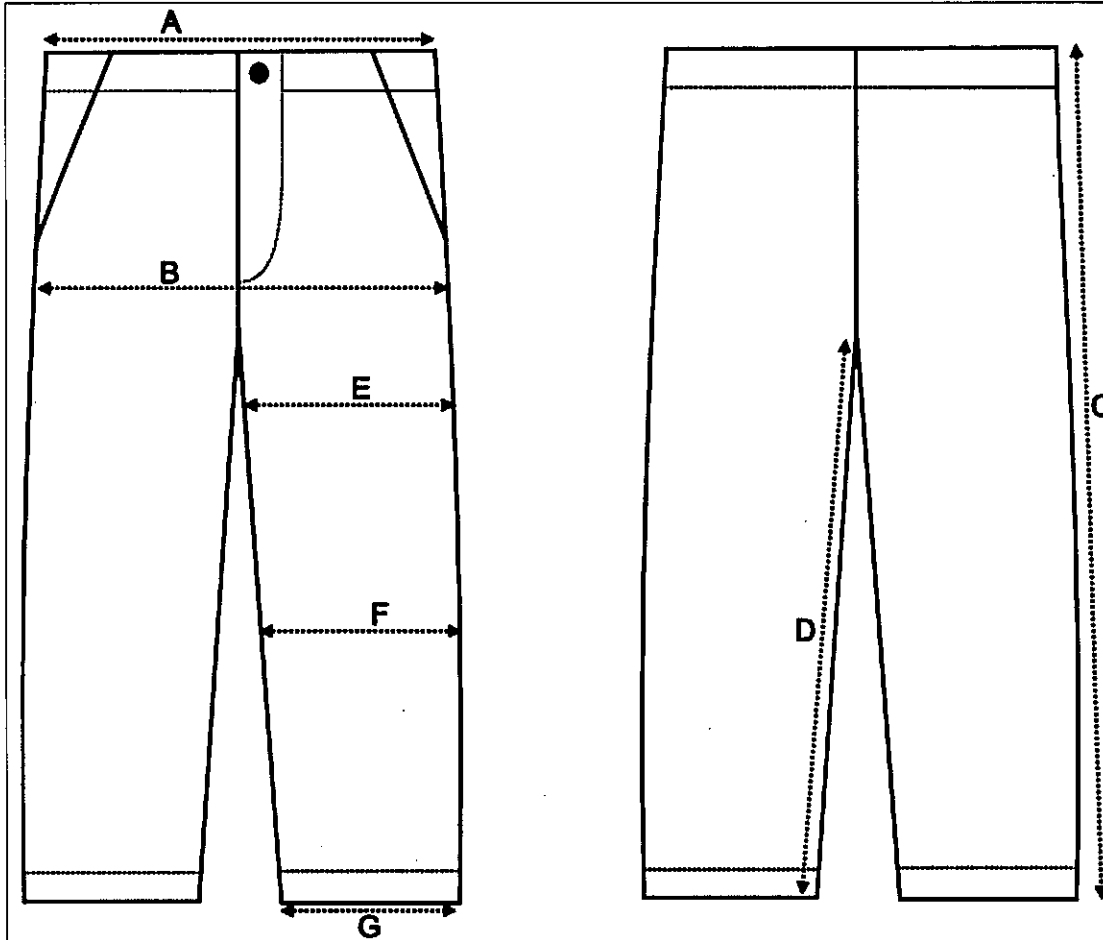
Refer to Technical Data Sheets at Section 7

3. PATTERNS.

- a. Master Patterns: DC holds a Master Pattern for this product. Potential contractors may view the pattern on site by arrangement with the DC Commercial Department.
- b. Standard Patterns: A Standard Pattern may be obtained from the DC Technical Information Office and may be used to provide the criteria for all materials, components and manufacturing features not fully defined in this specification.
- c. Electronic Patterns: Electronic patterns in 'Gerber®' format, to guide for manufacture may be obtained from the DC Technical Information Office.

4. GARMENT SIZING

SIZE CHART
TROUSER, COMBAT, Various
All measurements in centimetres



4. GARMENT SIZING continued

Size Leg/ Waist/ Seat	Measurements of garment						
	Around		Side seam	Leg seam	Around		
	Waist	Seat at base of fly tack			Thigh 5cm below fork	Knee ½ inside leg plus 5cm towards fork	Bottom
Ax2	Bx2	C	D	Ex2	Fx2	Gx2	
70/72/88	72	104			64	53	46
70/76/92	76	108	97	70	66	54	46
70/80/96	80	112			68	55	46
75/68/84	68	100			62	51	45
75/72/88	72	104			64	53	46
75/76/92	76	108			66	54	46
75/80/96	80	112	103	75	68	55	46
75/84/100	84	116			70	56	46
75/88/104	88	120			72	57	46
75/92/108	92	124			74	58	47
80/72/88	72	104			64	53	46
80/76/92	76	108			66	54	46
80/80/96	80	112			68	55	46
80/84/100	84	116			70	56	46
80/88/104	88	120	109	80	72	57	46
80/92/108	92	124			74	58	47
80/96/112	96	128			76	59	47
80/100/116	100	132			78	60	47
80/104/120	104	136			80	61	47
85/80/96	80	112			68	55	46
85/84/100	84	116			70	56	46
85/88/104	88	120			72	57	46
85/92/108	92	124			74	58	47
85/96/112	96	128	115	85	76	59	47
85/100/116	100	132			78	60	47
85/104/120	104	136			80	61	47
85/108/124	108	140			82	62	47
85/112/128	112	144			84	63	47
90/92/108	92	124			74	58	47
90/96/112	96	128			76	59	47
90/100/116	100	132	121	90	78	60	47
90/104/120	104	136			80	61	47
90/108/124	108	140			82	62	47
90/112/128	112	144			84	63	47
Tolerance +/-	1	1	1	1	1	1	0.5

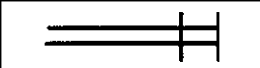
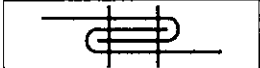
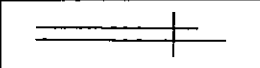

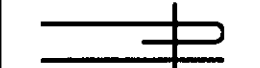

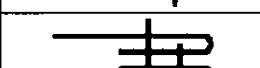
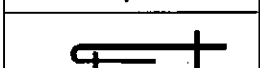
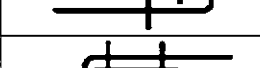

Outsize garments for insect repellent treated garments are made to the wearer's measurements supplied to the contractor. The Schedule is then used as a guide for the allowance over the seat/waist measure of the wearer and measurements not shown on the measure form.

Untreated garments are to be made to the size table or to the outsize measurement form as appropriate.

5. CONSTRUCTION

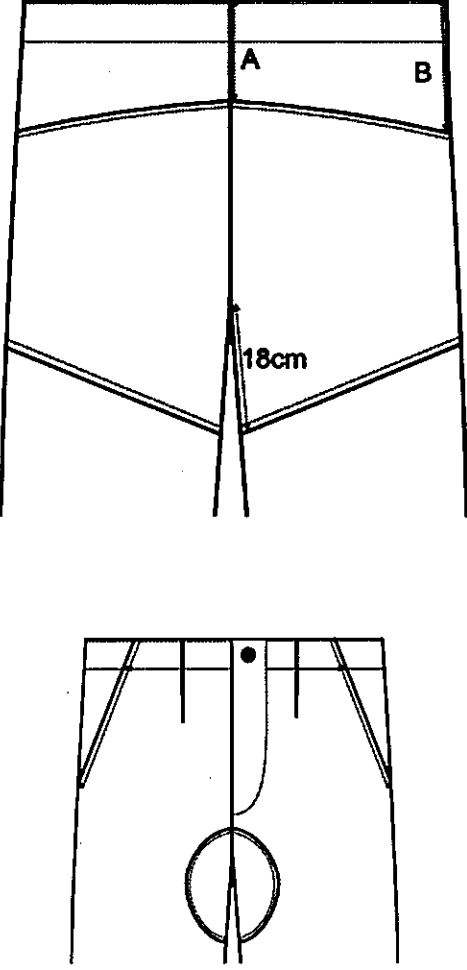
SEAMS AND STITCHING to BS 3870	
<ul style="list-style-type: none"> • Seam type 1.01.02 unless otherwise stated • All raw edges are to be over-locked using stitch type 504, 505, 506 or 507 • All seams are to be sewn using stitch type 301 or 401 • All other stitching, stitch type 301 • Alternatively the seat and inside leg seams may be sewn using seam type 2.04.03 or 2.04.04 using stitch type 401 • Two rows are required when seat seam is sewn using stitch type 301 • 8-10 stitches per 2cm • Buttonholes to have 22 stitches per 2cm and to be bar tack or taper barred 	

The following seam types are referenced in this specification

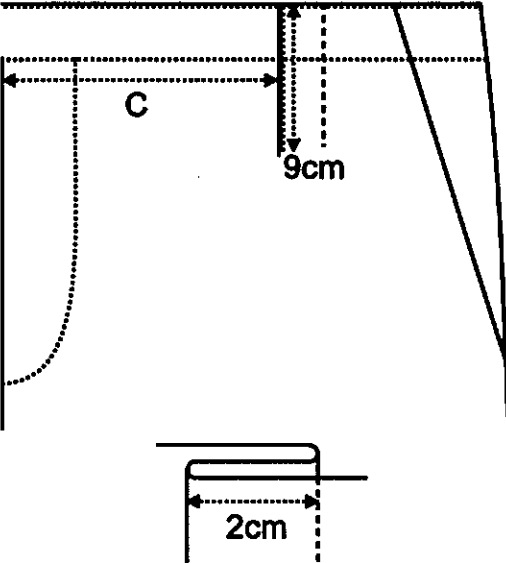
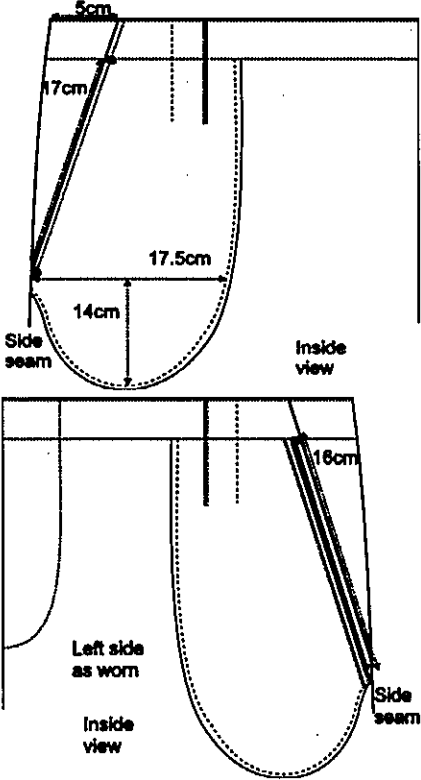
	1.01.02		2.04.04
	1.02.01		2.42.02
	1.04.01		5.02.01
	1.06.02		5.31.05
	2.04.03		6.03.04

PART	DETAIL	BS 3870
DESIGN	<ul style="list-style-type: none"> • Fly front with slide fastener closure • Grown on waistband with front pleats • Waist adjusters on waistband • Seat/crotch panel made with heavier weight material • Slanted side pockets • Security pocket with slide fastener closure (left side as worn) • Bellows thigh pockets with shaped flap and hidden button closure • Back hip pocket with shaped flap and hidden button closure (right side as worn) • Belt loops • Adjustable draw cord in bottom hems 	

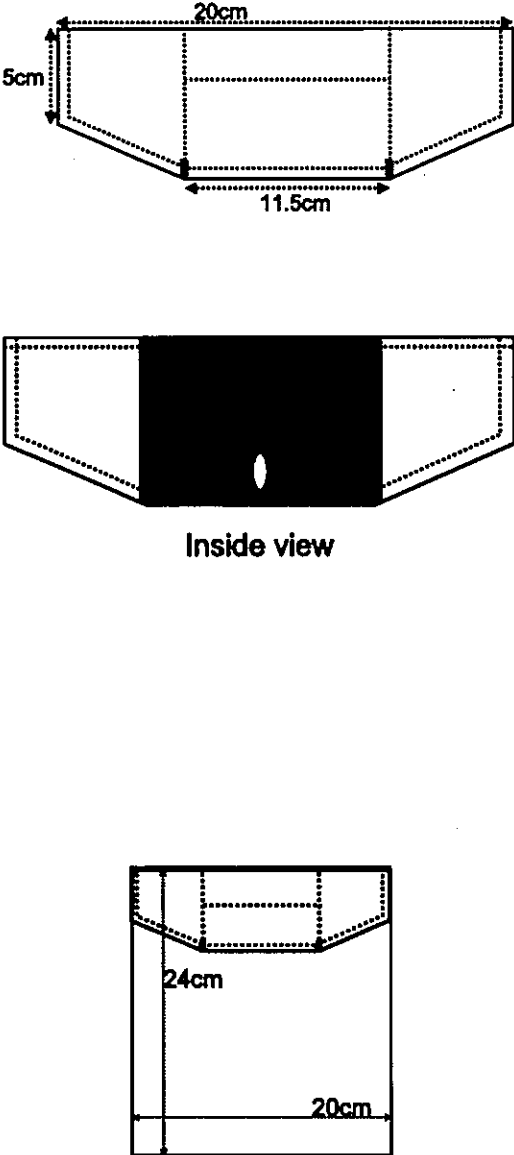
5. CONSTRUCTION continued

PART	DETAIL	BS 3870																				
<p>5.1 SEAT/CROTCH PANEL</p>  <p>The drawing shows a front view of the seat/crotch panel with a central vertical seam. The top edge is divided into two sections labeled 'A' and 'B'. A horizontal line is drawn across the top. Below the main panel, there is a smaller diagram showing the panel's placement on a pair of trousers, with a circular detail of the seat seam.</p>	<ul style="list-style-type: none"> • A single ply panel, shaped to form the seat and front crotch seam displacement • MTP Trousers – Main body in MAT0037A. Seat/crotch panel in MAT0037B • Blue Trousers – Main body in MAT0037F. Seat/crotch panel in MAT0037E • 18cm long at the inside leg • Back yoke to be shaped as shown, measurements as follows:- <table border="1" data-bbox="612 882 1321 1249"> <thead> <tr> <th rowspan="2">Size Inside leg</th> <th colspan="2">To top edge of waist band</th> </tr> <tr> <th>Back seam A</th> <th>Side seam B</th> </tr> </thead> <tbody> <tr> <td>70</td> <td>11.5</td> <td>16</td> </tr> <tr> <td>75</td> <td>12.5</td> <td>17</td> </tr> <tr> <td>80</td> <td>13.5</td> <td>18</td> </tr> <tr> <td>85</td> <td>14.5</td> <td>19</td> </tr> <tr> <td>90</td> <td>15.5</td> <td>20</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Seat seam topstitched 0.6cm 	Size Inside leg	To top edge of waist band		Back seam A	Side seam B	70	11.5	16	75	12.5	17	80	13.5	18	85	14.5	19	90	15.5	20	
Size Inside leg	To top edge of waist band																					
	Back seam A	Side seam B																				
70	11.5	16																				
75	12.5	17																				
80	13.5	18																				
85	14.5	19																				
90	15.5	20																				

5. CONSTRUCTION continued

PART	DETAIL	BS 3870																										
<p>5.2 PLEATS</p> 	<ul style="list-style-type: none"> • 2cm pleat in each topside • Edge to be topstitched down 9cm from top edge of waist, positioned as follows:- <table border="1" data-bbox="612 488 1321 1099"> <thead> <tr> <th>Size Waist</th> <th>Pleat position from centre front C</th> </tr> </thead> <tbody> <tr><td>68</td><td>7</td></tr> <tr><td>72</td><td>7.5</td></tr> <tr><td>76</td><td>8</td></tr> <tr><td>80</td><td>8.5</td></tr> <tr><td>84</td><td>9</td></tr> <tr><td>88</td><td>9.5</td></tr> <tr><td>92</td><td>10</td></tr> <tr><td>96</td><td>10.5</td></tr> <tr><td>100</td><td>11</td></tr> <tr><td>104</td><td>11.5</td></tr> <tr><td>108</td><td>12</td></tr> <tr><td>112</td><td>12.5</td></tr> </tbody> </table>	Size Waist	Pleat position from centre front C	68	7	72	7.5	76	8	80	8.5	84	9	88	9.5	92	10	96	10.5	100	11	104	11.5	108	12	112	12.5	<p>5.02.01</p>
Size Waist	Pleat position from centre front C																											
68	7																											
72	7.5																											
76	8																											
80	8.5																											
84	9																											
88	9.5																											
92	10																											
96	10.5																											
100	11																											
104	11.5																											
108	12																											
112	12.5																											
<p>5.3 SIDE POCKET</p> 	<ul style="list-style-type: none"> • Pocket bearer and bag made from main material • Positioned 5cm from side seam at top edge of waistband • Opening effective length 17cm from waist stitching • Securely bar tacked at each end • Pocket bag 14cm deep and 17.5cm wide measured from bottom tack • Openings stitched 0.6cm from edge <p><u>Left side as worn</u></p> <ul style="list-style-type: none"> • Security pocket single ply of main material formed with slide fastener 16cm long sewn onto the pocket bearer • Slide fastener tape positioned in line with side pocket opening • Sewn with two rows of stitching • Security pocket panel attached to slide fastener • Security panel sewn in with side pocket bag 	<p>1.06.02</p> <p>1.04.01</p>																										

5. CONSTRUCTION continued

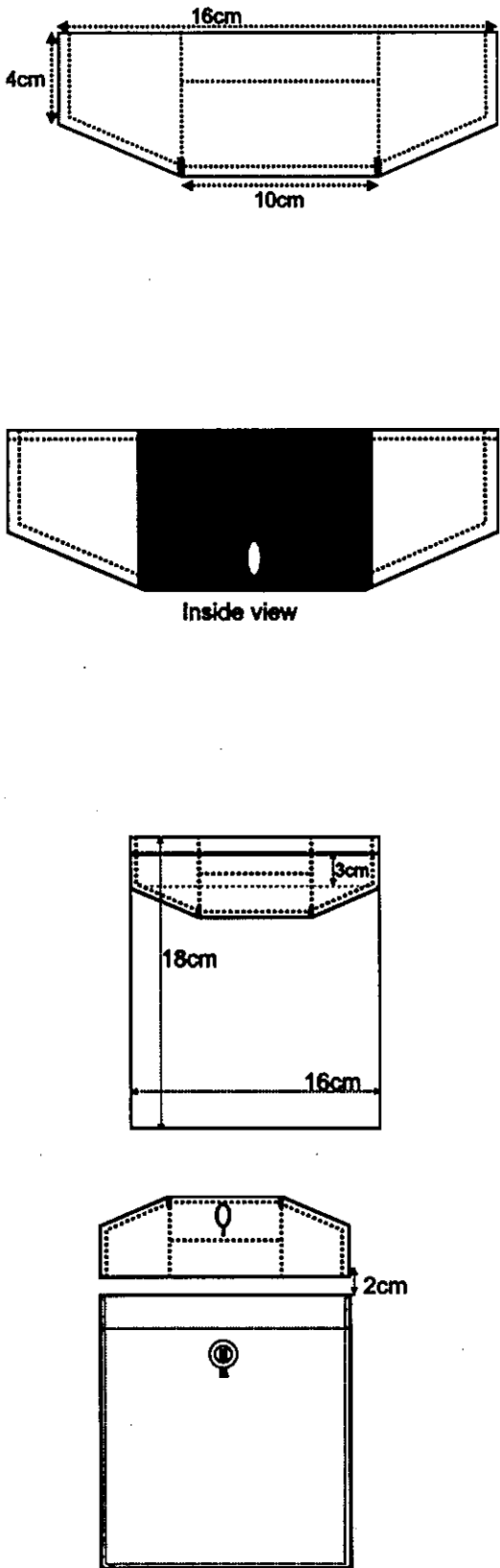
PART	DETAIL	BS 3870
<p>5.4 THIGH POCKET</p>  <p>5cm</p> <p>20cm</p> <p>11.5cm</p> <p>Inside view</p> <p>24cm</p> <p>20cm</p>	<p><u>Flap</u></p> <ul style="list-style-type: none"> • Flap cut two ply in main material • Outer layer to have fusible interlining • Shaped as diagram, finished measurements as follows • 20cm wide, 8cm deep at centre, 5cm deep at sides, and 11.5cm wide at opening • Buttonhole pocket cut on the fold in main material • 3cm buttonhole worked through both layers • Positioned centrally and eye 1cm from fold • Top stitched securely to the back of the flap • To finish 11.5cm wide and full depth the pocket flap • A line of top stitching through all layers 5cm from bottom of the flap (to reduce size of button cover pocket) • Bar tacked at corners • Flap and pocket opening topstitched 0.6cm <p><u>Bellows patch pocket</u></p> <ul style="list-style-type: none"> • 20cm wide 24cm deep from top of flap 	<p>1.06.02</p>

5. CONSTRUCTION continued

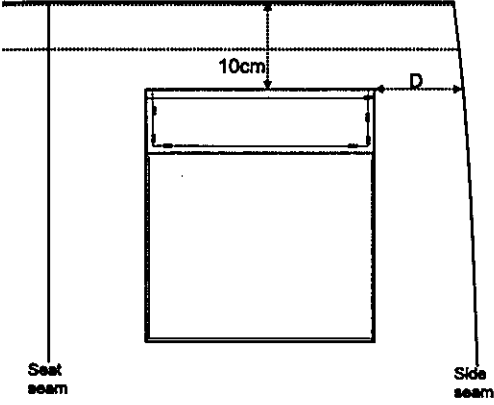
PART	DETAIL	BS 3870
<p>5.4 THIGH POCKET continued</p>	<ul style="list-style-type: none"> • Front panel of pocket extended 3cm to form storm guard facing • Bellows 4cm deep at bottom • And 4cm at each side tapering to 1cm at the top • Side and bottom edges of pocket bellows edge stitched • Pocket facing to finish 8cm deep at the point • 1.5cm at the side and sewn to pocket <ul style="list-style-type: none"> • Two eyelets worked in the front section of the bottom bellows spaced 5cm apart • Positioned 1cm from front edge <ul style="list-style-type: none"> • A slotted button attached to the patch with cord 9mm wide in register with the buttonhole in the flap • Top edge of pocket positioned 4cm down from the outer end of flap to form storm guard • Securely sewn down 2.5cm and bar tacked at the top edge <ul style="list-style-type: none"> • Bellows pocket positioned 3.5cm down from base of side pocket opening • 2.5cm back from the side seam • Sewn over each side seam at an angle of $22^\circ \pm 5^\circ$ 	<p>1.02.01</p> <p>5.31.05</p>

- | | | |
|--|---|--|
| | <ul style="list-style-type: none">• Top corners of flap securely tacked | |
|--|---|--|

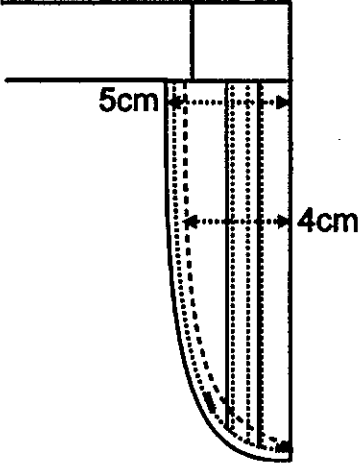
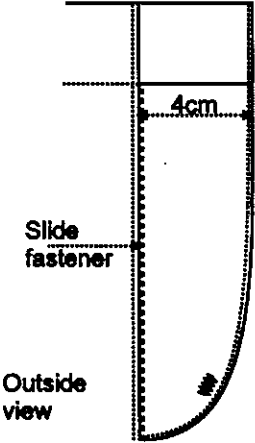
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.5 HIP POCKET</p> 	<p><u>Flap (right side as worn)</u></p> <ul style="list-style-type: none"> • Flap cut two ply in main material • Outer layer to have fusible interlining • Shaped as diagram, finished measurements as follows • 16cm wide, 6cm deep at centre, 4cm deep at sides, and 10cm wide at opening • Buttonhole pocket cut on the fold in main material • 3cm buttonhole worked through both layers • Positioned centrally and eye 1cm from fold • Top stitched securely to the back of the flap • To finish 10cm wide and full depth the pocket flap • A line of top stitching through all layers 4cm from bottom of the flap (to reduce size of button cover pocket) • Bar tacked at corners • Flap and pocket opening topstitched 0.6cm <p><u>Patch pocket</u></p> <ul style="list-style-type: none"> • 16cm wide and 18cm deep including flap • Cut single ply in main material • 3cm inturn at top edge • The top edge of the patch positioned 2cm below the top edge of the flap • A slotted button attached to the patch with cord 9mm wide in register with the buttonhole in the flap 	

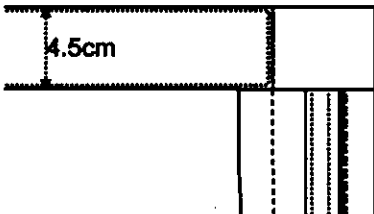
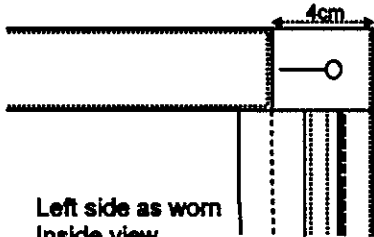
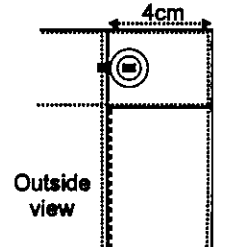
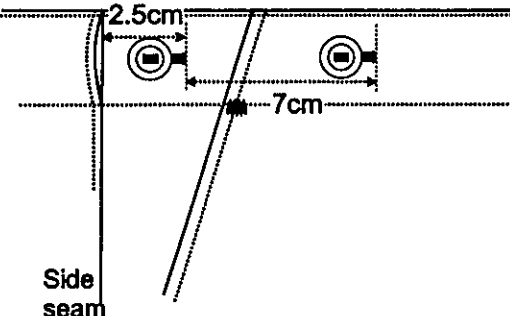
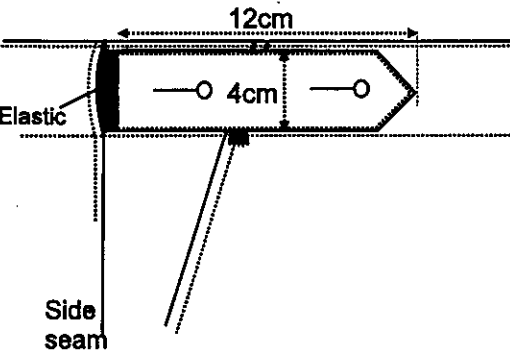
5. CONSTRUCTION continued

PART	DETAIL		BS 3870	
<p>5.5 HIP POCKET continued</p> 	<ul style="list-style-type: none"> • Pocket positioned 10cm down from top edge of waist and from side seam as follows:- 			
	<table border="1"> <thead> <tr> <th data-bbox="968 517 1086 607">Size Waist</th> <th data-bbox="1086 517 1323 607">Pocket position from side seam D</th> </tr> </thead> </table>	Size Waist	Pocket position from side seam D	
Size Waist	Pocket position from side seam D			
	68			
	72			
	76			
	80			
	84			
	88			
	92			
	96			
	100			
	104			
	108			
	112			

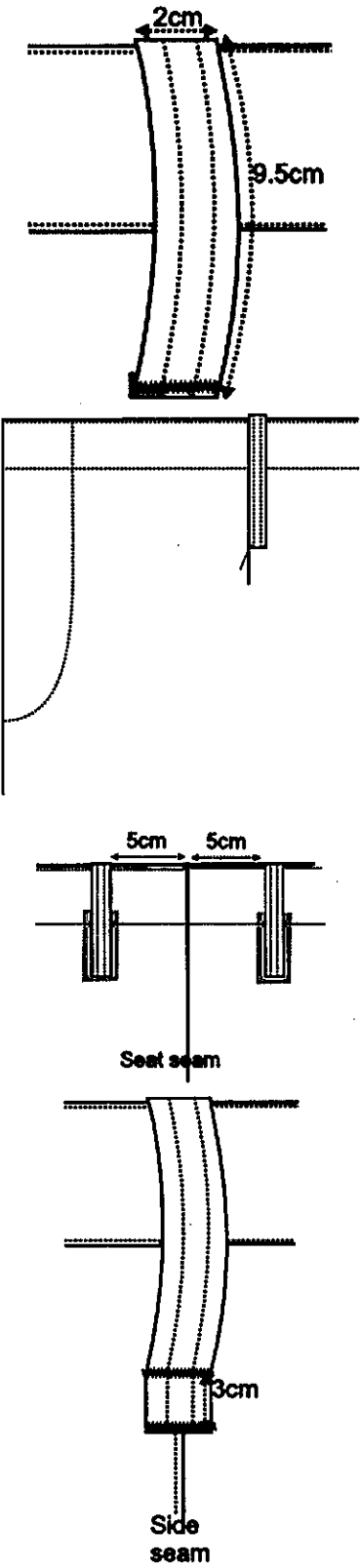
5. CONSTRUCTION continued

PART	DETAIL	BS 3870												
<p>5.6 FLY</p> <p>Left side as worn Inside view</p>  <p>Right side as worn Outside view</p> 	<p><u>Left side as worn</u></p> <ul style="list-style-type: none"> • Fly facing 5cm wide tapering at base and extending above the waist stitching • Slide fastener sewn with two rows of stitching • Positioned with the bottom stop immediately above the fly tack position • Top of fastener sewn in with waist band facing • Fly stitching 4cm from the front edge and tapering at base • Sewing to be regular, unbroken with no distortion <p>Length of slide fastener to be as follows:-</p> <table border="1" data-bbox="611 1048 1321 1429"> <thead> <tr> <th>Size Inside leg</th> <th>Slide fastener length</th> </tr> </thead> <tbody> <tr> <td>70</td> <td>18</td> </tr> <tr> <td>75</td> <td>19</td> </tr> <tr> <td>80</td> <td>20</td> </tr> <tr> <td>85</td> <td>21</td> </tr> <tr> <td>90</td> <td>22</td> </tr> </tbody> </table> <p><u>Right side as worn</u></p> <ul style="list-style-type: none"> • Slide fastener guard cut two ply in main material 4cm wide and tapering at the base • The guard and slide fastener to be sewn to right topside • The rear edge of the guard is over edged stitched • Fly guard to be edge stitched • The outer edge of the facing and guard, are securely tacked together • Level with the fly tack 	Size Inside leg	Slide fastener length	70	18	75	19	80	20	85	21	90	22	<p>1.06.02</p>
Size Inside leg	Slide fastener length													
70	18													
75	19													
80	20													
85	21													
90	22													

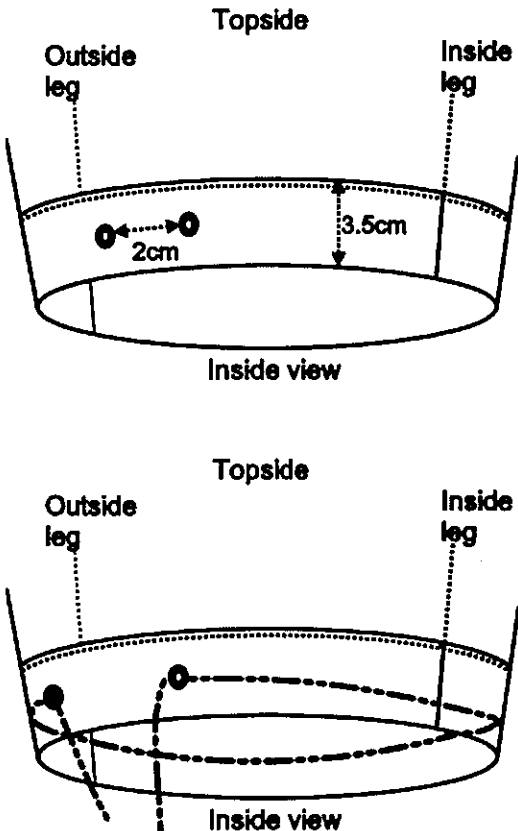
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.7 WAISTBAND</p> <p>Left side as worn Inside view</p>  <p>4.5cm</p> <p>Left side as worn Inside view</p>  <p>4cm</p> <p>Right side as worn Outside view</p>  <p>4cm</p>	<ul style="list-style-type: none"> Waistband facing 4.5cm wide and formed to create a channel To have fusible interlining Top edge of channel sewn to top edge of the waistband Lower edge of channel sewn onto the topside and underside <p><u>Left side as worn</u></p> <ul style="list-style-type: none"> Facing 4cm wide at the front edge on the inside 2.2cm buttonhole Positioned centrally with the eye 1.2cm from the front edge <p><u>Right side as worn</u></p> <ul style="list-style-type: none"> Facing 4cm wide at the front edge on the outside A slotted button attached with cord 9mm wide in register with the buttonhole 	<p>1.06.02</p> <p>1.04.01</p> <p>5.31.05</p>
<p>5.8 ADJUSTABLE WAISTBAND TABS</p>  <p>2.5cm</p> <p>7cm</p> <p>Side seam</p>  <p>12cm</p> <p>4cm</p> <p>Elastic</p> <p>Side seam</p>	<ul style="list-style-type: none"> Each side seam to be left open for the depth of the waistband facing Two slotted buttons attached with cord 9mm wide Positioned centrally on front waistband 1st positioned 2.5cm from opening 2nd positioned 7cm from the 1st Elastic cut to length of back waistband Threaded through waistband channel and securely attached at centre back Two tabs securely attached to each end of the elastic Tab to be shaped as standard pattern 12cm long and 4cm wide Two 2.2cm buttonhole worked in each tab Positioned centrally and in register with buttons on front 	<p>5.31.05</p> <p>2.42.02</p>

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.9 BELT LOOPS</p>  <p>The technical drawings illustrate the construction of belt loops. The top drawing shows a single loop with a width of 2cm and an effective length of 9.5cm. The middle drawing shows two loops positioned 5cm from a central 'Seat seam'. The bottom drawing shows loops at a 'Side seam' with a 3cm loop at the bottom.</p>	<ul style="list-style-type: none"> • Six belt loops • 2cm wide • Loop 9.5cm effective length • Securely sewn in with the top edge of the waistband seam • First loop positioned directly over each front pleat • Positioned 5cm each side of the seat seam • Stayed with strip of main material extended to waist seam • And at each side seam • The side seam loops are extended to form a 3cm loop at the bottom • Bottom of loops securely tacked and stayed with two ply of material 	

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.10 LEG HEM</p>  <p>The top diagram, labeled '5.10 LEG HEM', shows a cylindrical leg hem with a 3.5cm upturn. Two eyelets are positioned 2cm apart on the top edge. The bottom diagram shows a 9mm cord inserted into the channel, secured with tacks and knots.</p>	<ul style="list-style-type: none"> • 3.5cm up turn to form a channel • Two eyelets worked in the upturn on the topside • Centrally and 2cm apart • Stayed with main fabric and not to show on the outside <ul style="list-style-type: none"> • Draw cord 9mm wide, effective length 60cm inserted into channel • Securely tacked at the centre back • Ends of cord heat sealed and knotted 	<p>6.03.04</p>

6. LABELLING REQUIREMENTS

Labels	Colour	Position
Identification and care labels	White	Attached to the bottom of the waist channel seam at the centre of the right underside
MTP Camouflage registration label	White	Attached underneath the ID/Care label
Swing Ticket for insect repellent treated garments	Card	Removable but attached to finished garment

Care, size and camouflage registration labels for MTP only may be combined to produce one label

The main material fibre content is to be added to the identification label

Identification Label

Information and format is to be as follows

For Stock Items

Item name, NATO stock number, size, contract number, indication of position for wearer's name/number, broad arrow and fibre content; the size number is to be 0.6cm high

Outsize items

Item name, NATO stock number, name, number and measurements of wearer, contract number, broad arrow and fibre content


Manufacturer Information

Under no circumstances should the contractor's name, logo or trademark appear on any form of labelling or garment bags

6. LABELLING REQUIREMENTS continued

SPECIMEN LABELS
Identification Labels


Stock Items

<p>TROUSER COMBAT MTP* </p> <p>Insect Repellent Treated*</p> <p>NSN: 8415-99-317-8279*</p> <p>Size: 75/92/108*</p> <p>NATO Size: 7580/9095*</p> <p>Contract No:*</p> <p>Name:</p> <p>No:</p> <p><i>(Fibre content to be added here)*</i></p>

Outsize Items






<p>TROUSER COMBAT MTP* </p> <p>Insect Repellent Treated</p> <p>NSN: 8415-99-317-8304*</p> <p>Name:*</p> <p>No:*</p> <p>Leg:*</p> <p>Waist:*</p> <p>Contract No:*</p> <p><i>(Fibre content to be added here)*</i></p>

UNTREATED

<p>TROUSER COMBAT UNTREATED MTP* </p> <p>NSN: 8415-99-410-4582*</p> <p>Name:*</p> <p>No:*</p> <p>Leg:*</p> <p>Waist:*</p> <p>Contract No:*</p> <p><i>(Fibre content to be added here)*</i></p>

*Amend as appropriate

Care Label

	Wash as synthetic Gentle Process
	DO NOT BLEACH
	Tumble dry at lower temperature
	Warm Iron
	DO NOT DRY CLEAN
<p>THIS GARMENT HAS AN INSECTICIDE TREATMENT</p> <p>THIS GARMENT HAS BEEN TREATED WITH PERMETHRIN</p>	

MTP Camouflage Registration Label

This should be a separate label or part of a composite care label

<p>Camouflage Pattern Registered Design No. RCD001627035-0001</p>

6. LABELLING REQUIREMENTS continued

Swing ticket – for insect repellent treated garments

IMPORTANT INFORMATION

The cloth in this garment has been given a treatment, based on Permethrin, which repels insects.

The treatment is durable to washing and will last 50 washes in a washing machine.

If you normally wash this garment once a week in a washing machine the treatment will last for 1 year.

If you regularly field wash the garment the treatment will last approximately 6 months.

The treatment is effective on the clothing but for full protection insect repellent must be applied to bare skin.

6. LABELLING REQUIREMENTS continued

NATO Stock Numbers and Size

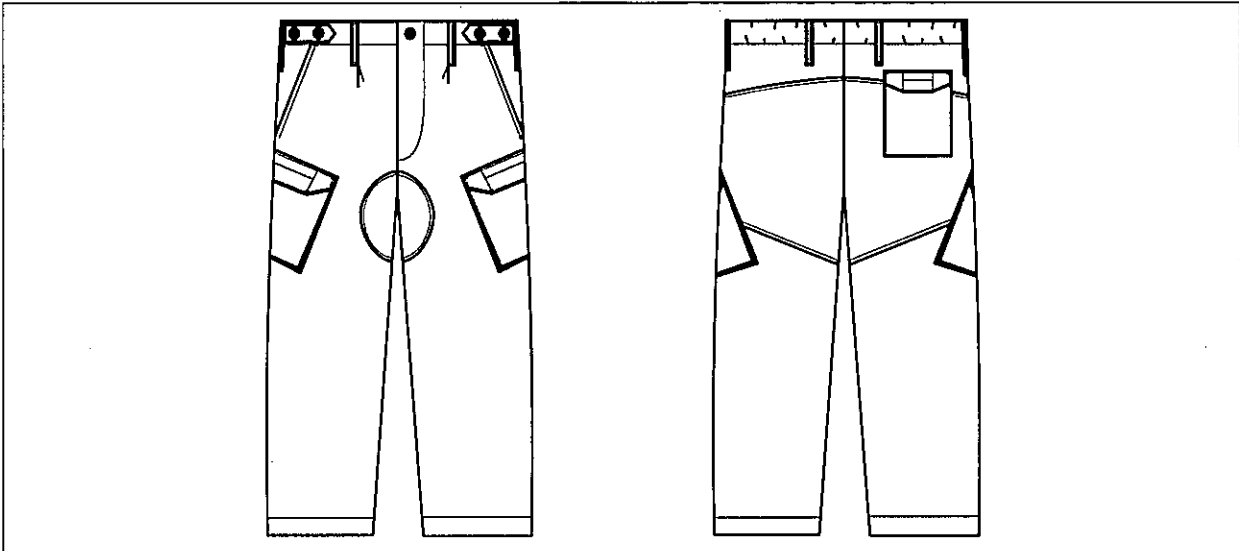
Insect Repellent Treated		Size	NATO size
MTP	BLUE CAMOUFLAGE		
NATO Stock No. 8415-99-			
317-8270	752-1536	70/72/88	7075/7075
317-8271	752-1537	70/76/92	7075/7080
317-8272	752-1538	70/80/96	7075/8085
317-8273	752-1539	75/68/84	7580/6570
317-8274	752-1540	75/72/88	7580/7075
317-8275	752-1541	75/76/92	7580/7580
317-8276	752-1542	75/80/96	7580/8085
317-8277	752-1543	75/84/100	7580/8085
317-8278	752-1544	75/88/104	7580/8590
317-8279	752-1545	75/92/108	7580/9095
317-8280	752-1546	80/72/88	8085/7075
317-8281	752-1547	80/76/92	8085/7580
317-8282	752-1548	80/80/96	8085/8085
317-8283	752-1549	80/84/100	8085/8085
317-8284	752-1550	80/88/104	8085/8590
317-8285	752-1551	80/92/108	8085/9095
317-8286	752-1552	80/96/112	8085/9500
317-8287	752-1553	80/100/116	8085/0005
317-8288	752-1554	80/104/120	8085/0005
317-8289	752-1555	85/80/96	8590/8085
317-8290	752-1556	85/84/100	8590/8085
317-8291	752-1557	85/88/104	8590/8590
317-8292	752-1558	85/92/108	8590/9095
317-8293	752-1559	85/96/112	8590/9500
317-8294	752-1560	85/100/116	8590/0005
317-8295	752-1561	85/104/120	8590/0005
317-8296	752-1562	85/108/124	8590/0510
317-8297	752-1563	85/112/128	8590/1015

6. LABELLING REQUIREMENTS continued

NATO Stock Numbers and Size

Insect Repellent Treated		Size	NATO size
MTP	BLUE CAMOUFLAGE		
NATO Stock No. 8415-99			
317-8298	752-1564	90/92/108	9095/9095
317-8299	752-1565	90/96/112	9095/9500
317-8300	752-1566	90/100/116	9095/0005
317-8301	752-1567	90/104/120	9095/0005
317-8302	752-1568	90/108/124	9095/0510
317-8303	752-1569	90/112/128	9095/1015
317-8304	752-1570	Outsize	
8415-99-410-4582	8415-99-752-1570	Untreated garment	

7. TECHNICAL DATA SHEETS



TROUSER, COMBAT, MULTI-TERRAIN PATTERN

Specification No.	DC/MS/6602-1
Item Description	TROUSER, COMBAT, MULTI-TERRAIN PATTERN
Pattern No.	D01754A (INSECT REPELLENT TREATED) D01754A TG (UNTREATED)
NATO Stock No.	8415-99-817-8270 to 8304 (INSECT REPELLENT TREATED) 8415-99-410-4582 (UNTREATED)

Scope: Combat trousers in multi-terrain patterned fabric, as part of the Personal Clothing System (PCS), Combat Uniform (CU). They are insect repellent treated as standard issue. Untreated garments have to be ordered separately on one NSN and are available in stock sizes or outside as appropriate

The size schedule provides for thirty five sizes and outside for treated garments

TROUSERS COMBAT, BLUE CAMOUFLAGE

Specification No.	DC/MS/6602-1
Item Description	TROUSER, COMBAT, BLUE CAMOUFLAGE
Pattern No.	D01754A (INSECT REPELLENT TREATED) D01754A TG (UNTREATED)
NATO Stock No.	8415-99-752-1536 to 1570 (TREATED) 8415-99-752-1571 (UNTREATED)

Scope: Combat trousers in blue camouflage patterned fabric, for opposing forces in training. They are insect repellent treated as standard issue. Untreated garments have to be ordered separately on one NSN and are available in stock sizes or outside as appropriate

The size schedule provides for thirty five sizes and outside for treated garments

7. TECHNICAL DATA SHEETS continued

Related Specifications	Title
BS EN ISO 105 Part C06	Textiles – tests for colour fastness Colour fastness to domestic and commercial laundry
BS EN ISO 3758	Textiles. Care labelling code, using symbols
BS EN 12590	Textiles. Industrial sewing threads made wholly or partly from synthetic fibres
BS 3870 Part 1 & 2	Stitches and Seams
BS 4973 Part 2	Interlinings non-woven, fusible interlinings
BS 5742	Textile labels requiring to be washed and/or dry cleaned
BS 7141 Part 5	Narrow fabrics. Specification for elastic flat braids containing natural rubber
UK/SC/4559	Slide fasteners – Metallic and non-metallic chains
UK/SC/4782	Cord, braided nylon
UK/SC/5121	Buttons, sewing various
UK/SC/5843	Cloth, 2x1 twill, polyester/cotton, camouflage pattern
UK/SC/6069	Cloth, twill, cotton & polyester with rip stop, camouflage pattern
UK/SC/6600	Camouflage patterns
MAT0006B	Multi-terrain pattern

BILL OF MATERIALS

Fabric	
Reference	Description
INSECT REPELLENT TREATED	
MAIN MATERIAL for MTP GARMENTS Pattern No MAT0037A to UK/SC/6069 Printed to UK/SC/6600, Pattern No MAT0006B	Cloth, twill with rip stop, cotton & polyester, Multi-Terrain Pattern, Insect Repellent Treated
MATERIAL for MTP GARMENTS Pattern No. MAT0037B to UK/SC/5843 Printed to UK/SC/6600 Pattern No MAT0006B	FOR SEAT CROTCH PANEL Cloth, 2x1 twill, polyester & cotton, Multi-Terrain Pattern, Insect Repellent Treated
MAIN MATERIAL for BLUE CAMOUFLAGE GARMENTS Pattern No MAT0037F to UK/SC/6069	Cloth, twill with rip stop, cotton & polyester, Blue Camouflage, Insect Repellent Treated
MATERIAL for BLUE CAMOUFLAGE GARMENTS Pattern No. MAT0037E to UK/SC/5843	FOR SEAT CROTCH PANEL Cloth, 2x1 twill, polyester & cotton, Blue Camouflage, Insect Repellent Treated
UNTREATED GARMENTS	
MAIN MATERIAL for MTP GARMENTS Pattern No. MAT0013C to UK/SC/6069 Printed to UK/SC/6600 Pattern No MAT0006B	Cloth, twill with ripstop, cotton & polyester, Multi-Terrain Pattern
MATERIAL for MTP GARMENTS Pattern No. 8878D to UK/SC/5843 Printed to UK/SC/6600 Pattern No MAT0006B	FOR SEAT/CROTCH PANEL Cloth, 2x1 twill, polyester & cotton, Multi-Terrain Pattern
MAIN MATERIAL for BLUE CAMOUFLAGE GARMENTS Pattern No. MAT0013F to UK/SC/6069	Cloth, twill with ripstop, cotton & polyester, Blue Camouflage
MATERIAL for BLUE CAMOUFLAGE GARMENTS Pattern No. 8878F to UK/SC/5843	FOR SEAT/CROTCH PANEL Cloth, 2x1 twill, polyester & cotton, Blue Camouflage

BILL OF MATERIALS continued

Components	Size/Colour	Reference/Description	Notes/NATO Stock No.
<i>For MTP garment-Light Olive, components are to closely match Pantone shade 18-0820TC</i>			
<i>For Blue Camouflage garment-Blue, components are to closely match Pantone shade 19-4110TC</i>			
Interlining	White	OUTER POCKET FLAPS AND WAIST CHANNEL Interlining fusible: non woven type	BS 4973 Part 2
Slide fastener	Length in accordance with the size schedule	FLY OPENING Lightweight polyester, polyamide, spiral chain, closed end, auto-locking slider, top stop, 11mm stringer	UK/SC/4559
Slide fastener		SECURITY POCKET Lightweight polyester, polyamide, spiral chain, closed end, auto-locking slider, top stop, 8mm stringer	UK/SC/4559
Elastic	38mm	WAISTBAND ADJUSTMENT Elastic flat braid	BS 7141 Part 5
Cord	9mm	BUTTON FASTENINGS AND LEG HEM Cord, braided, nylon	UK/SC/4782 Pattern No. 9483E
Buttons	19mm 29mm	WAIST FASTENING, WAIST TABS AND HIP POCKET CLOSURE Button, slotted, matt finish THIGH POCKETS Button, slotted, matt finish	UK/SC/5121 Pattern No. 28988 to guide Pattern No. 28989 to guide
Identification/ care instruction label	White	Refer to section 6	BS 5742 Paragraph 3 and BS EN ISO 3758 max colour change 3 in print after 5 x BS EN ISO 105 CO6:C2S wash cycles
Swing Ticket	Card	Refer to section 6	For treated garments only
Thread	Metric Ticket No.	Polyester/cotton core spun	BS EN 12590
	12	BUTTONHOLES	Gimp
	180	OVEREDGE STITCHING	
	75	ALL OTHER SEWING	



**Manufacturing Specification for
SMOCK, COMBAT, WINDPROOF,
Personal Clothing System (PCS)**

Defence Clothing (DC)

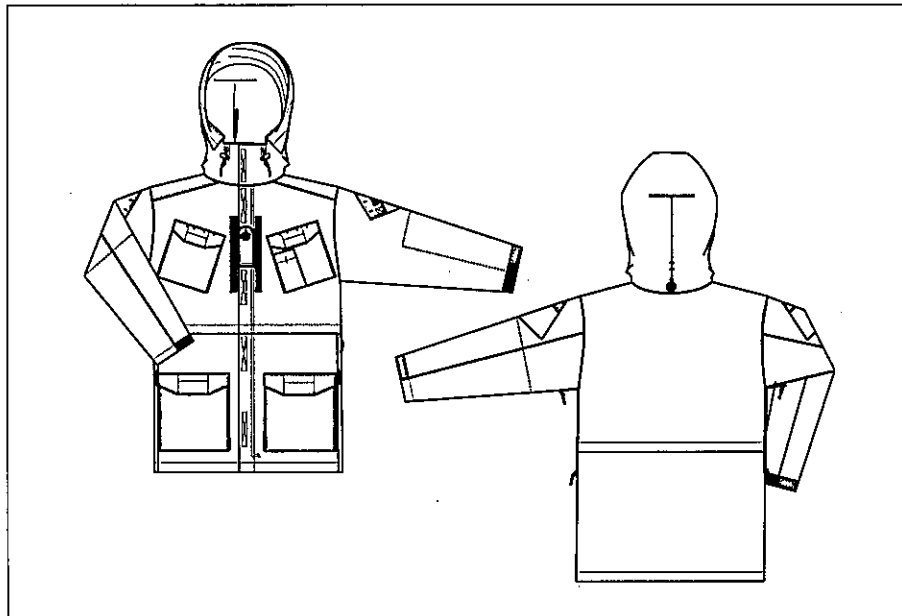
PROPERTY OF
MINISTRY OF DEFENCE



THE PRODUCT

Item Description	NATO Stock No(s)	Pattern No (s)
Smock, Combat, Windproof, MTP, PCS, CU	8415-99-396-5988 to 6004	D02396
Smock, Combat Windproof, Blue Camouflage	8415-99-844-1308 to 1324	D02396 to guide

Technical Support	Defence Clothing
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1. ISSUE RECORD

Issue No	Comments	Issue Date
9	<p>Introduction of Blue Camouflage version NSNs 8415-99-844-1308 to 1324</p> <p>Specification title updated</p> <p>Removal of Pattern No D01750 and RAF and Navy Versions (not brought into Service)</p> <p>Section 5 – Reformatted</p> <p>Section 6 – updated to include broad arrow</p> <p>Section 7 - UK/SC/5121 removed and replaced with BS 3866 and BS 4162</p> <p>BS 4407 removed and replaced with BS EN ISO 1833-11</p>	21 February 2018
8	<p><u>Smock 2</u></p> <p>Addition of Smock 2 MTP with change from mesh to main fabric lining and construction of pen pocket</p> <p>MTP Smock 2 has new Pattern no and NSN's</p> <p>Change to Smock 2 version for RAF and NAVY colours. No change of NSN</p> <p><u>General</u></p> <p>Broad Arrow added to label</p> <p>Cross stitching on touch & close front fastenings</p> <p>Slide fastener on hand pockets</p>	08 January 2014
7	<p>Clarification of construction of pen pocket (drawing and wording changed)</p> <p>Clarification of positioning and direction of cuff tab (wording changed)</p>	02 October 2013
6	<p>Change to a stiffer lining mesh – see Table 2</p> <p>Pen/compass pocket self-lined</p> <p>Blanking plate touch and close changed to "picture frame" construction</p> <p>Change of position of Union Flag on blanking plate</p> <p>Change of design of bicep pocket to include fold over design</p> <p>Instruction to not iron touch and close fastener added to label</p> <p>Change to properties required for fleece in hand warmer pocket – See Table 1</p> <p>3 mm shock cord deleted. Replaced with 9mm braided nylon for Bottom Channel</p>	05 February 2013

1. ISSUE RECORD CONTINUED

Issue No	Comments	Issue Date
6 cont	Addition of test methods for evaporation and wicking Tables 3 & 4 BS EN ISO 6330 requirements up dated	05 February 2013
5	Introduction of Navy Blue and RAF Blue colours Table 4 – dimension change to size 200/120 from 62 to 66 in row 'N x 2' Addition of fibre content detail on identification label	17 February 2012
4	Change to position of Union Flag on blanking plate	27 October 2011
3	Changes highlighted by manufacturer as follows:- Page 19 – Drawing changed Page 22 – Addition of sentence reference union flag attachment Page 23 – Drawing and wording changed Page 27 – Camouflage registration label removed as a separate label Page 34 - Camouflage registration label added to the bill of materials	14 January 2011
2	Changes highlighted by manufacturer as follows:- Page 8 & 9 – front facing and opening – left front as worn and right front as worn - slide fastener position changed from 4.5cm from edge to 5.0cm Page 16 - Hand Warmer Pocket Opening Amended Page 18 – Pen Pocket positioning changed from 2cm to 2.5cm from jetted opening Page 19 – drawing of flap width changed from 15cm to 14 cm Page 20 & 22 – change of position of Union Flag from Pocket Flap to Blanking Plate Page 22 – Cuff drawing and wording amended Page 25 – Upturn depth changed from 4cm to 3cm Page 26 &27 – Addition of Camouflage registration label Page 31 – Bill Of Materials – Mesh lining added Page 32 – Union Flag – Colour Fastness requirement removed Page 34 – Mesh Lining technical data added at Table 2	12 January 2010
1	New specification derived from UK/SC/5625 Issue 3	24 September 2010

2. BILL OF MATERIALS

Refer to Technical Data Sheets at Section 7

3. PATTERNS

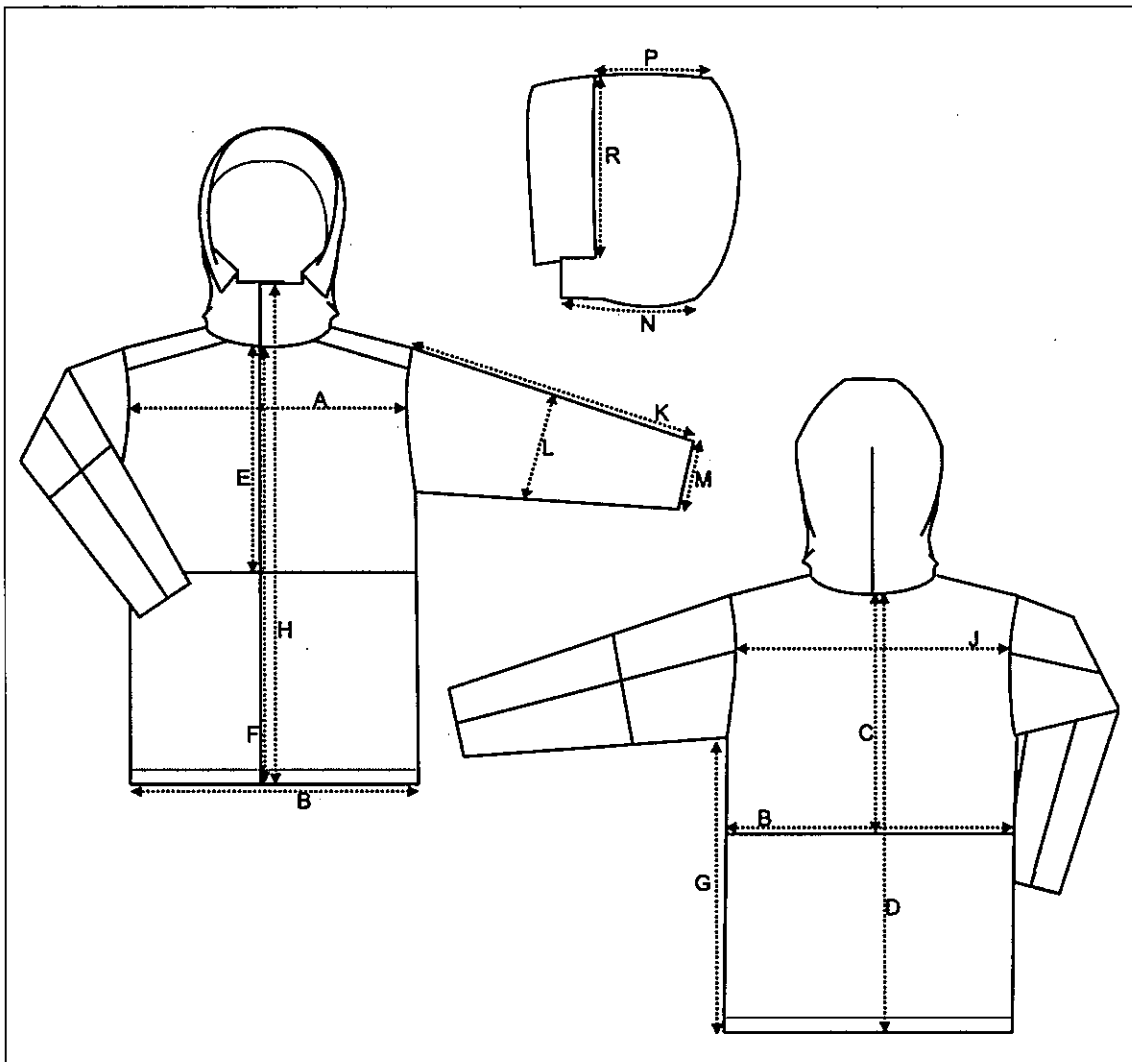
- a. Master Patterns: DC holds a Master Pattern for this product. Potential contractors may view the pattern on site by arrangement with the DC Commercial Department.
- b. Standard Patterns: A Standard Pattern may be obtained from the DC Technical Information Office and may be used to provide the criteria for all materials, components and manufacturing features not fully defined in this specification.
- c. Electronic Patterns: Electronic patterns in 'Gerber®' format, to guide for manufacture may be obtained from the DC Technical Information Office.

4. GARMENT SIZING

SIZE CHART

SMOCK, COMBAT, WINDPROOF

All measurements in centimetres: Garment fastened and laid flat



4. GARMENT SIZING continued

Size Height/ Chest	Measurements of Garment														
	Across chest 14cm below hood seam at front	Around waist and bottom fastened	Length from hood seam at				Length		Across back	Length of topside from shoulder to bottom edge	Sleeve		Hood		Length around aperture
			Back		Front		of side seam at back	of slide fastener			Around elbow	Width Cuff	Around bottom edge/ neck seam	From cowl seam to crown seam	
			to waist channel seam	to bottom edge	to waist channel of channel	to bottom edge									
A	Bx2	C	D	E	F	G	H	J	K	Lx2	Mx2	Nx2	P	R	
160/88	54	116						45		45	34	58	21		
160/96	56	124	44	76	36	68	38	48	57	47	38	60	22	30	
160/104	58	132						51		47	38	62	23		
170/88	54	116						45		45	34	58	21		
170/96	56	124	47	82	39	74	44	48	62	47	38	60	22	30	
170/104	58	132						51		47	38	62	23		
170/112	60	140						54		47	38	64	24		
180/96	56	124						48				60	22		
180/104	58	132	50	88	42	80	50	51	67	47	38	62	23	30	
180/112	60	140						54				64	24		
190/96	56	124						48				60	22		
190/104	58	132	53	94	45	86	56	51	72	47	38	62	23	30	
190/112	60	140						54				64	24		
190/120	62	148						57				66	25		
200/112	60	140	56	100	48	92	62	54	77	47	38	64	24	30	
200/120	62	148						57				66	25		
Tol ±	1	2	1	1	1	1	1	1	1	1	1	1	0.5	1	

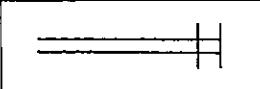
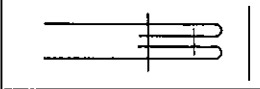
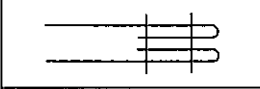

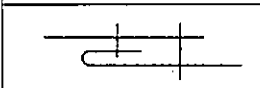
Outsize garments are made to the wearer's measurements supplied to the contractor. The Schedule is then used as a guide for the allowance over the chest measure of the wearer and measurements not shown on the measure form.

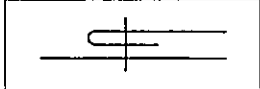

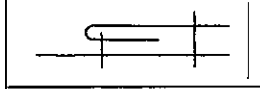
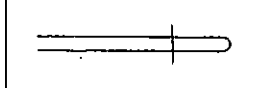
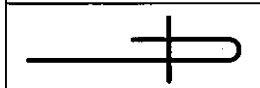
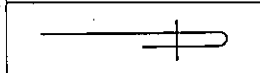
5. CONSTRUCTION

SEAMS AND STITCHING to BS 3870

- Seam type 1.01.02 unless otherwise stated
- All raw edges of main fabric and lining are over-locked using stitch type 504, 505, 506 or 507
- All seams are to be sewn using stitch type 301 or 401
- All other stitching, stitch type 301
- 8-10 stitches per 2cm
- Buttonholes to have 22 stitches per 2cm and to be bar tack or taper barred

The following seam types are referenced in this specification:

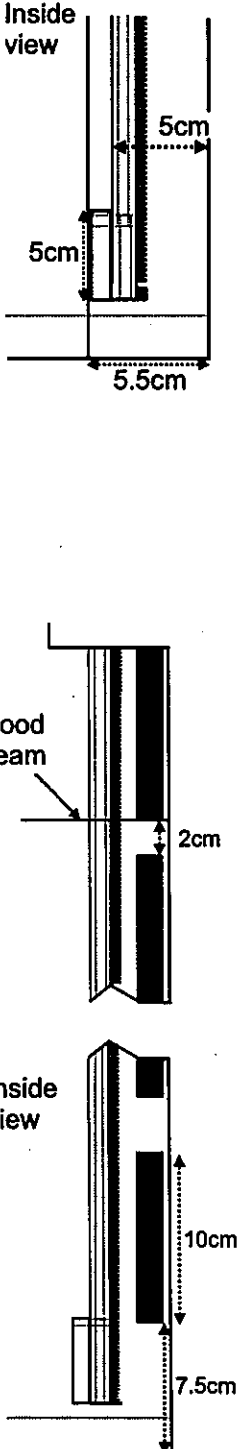
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	1.06.02
	1.06.04
	1.15.01
	2.05.06

	5.31.01
	5.31.02
	5.31.05
	5.45.01
	6.02.01
	6.02.03

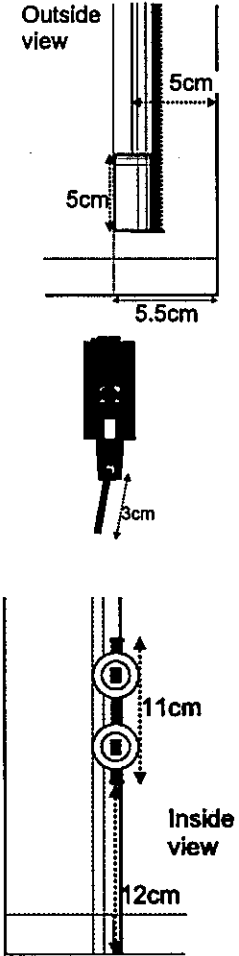
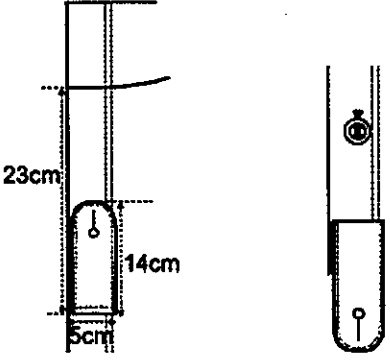
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
5.1 DESIGN	<ul style="list-style-type: none"> • Front slide fastener and touch and close opening • Attached hood with cowl • Two piece back and front with waist seam • Two piece pivot sleeve with reinforcement panel on lower end • Bellows pocket on sleeves at bicep • Blanking plate on bicep pockets • Union flag attached to corner of blanking plate (left side as worn) • Underarm opening with slide fastener • Adjustable cuffs • Bellows breast patch pockets (with compass pocket, left side as worn) • Bellows hip patch and hand warmer pockets with slide fastener closure • Jetted opening to form pocket in lining with slide fastener opening and internal pen pockets • Adjustable draw cord in hem, hood and waist • Rank strap 	

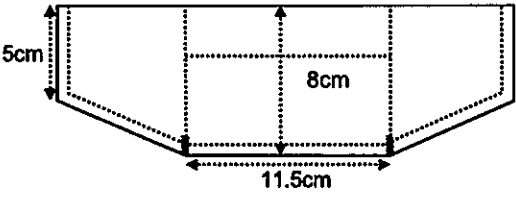
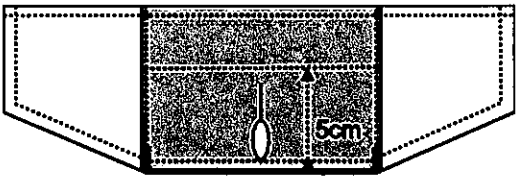
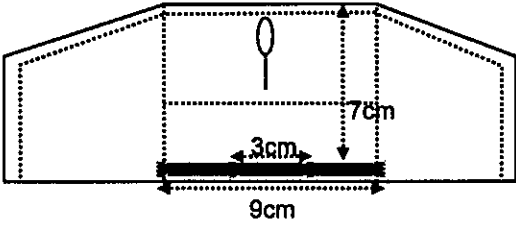
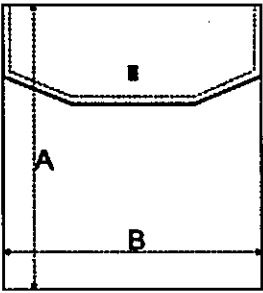
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.2 FRONT FACINGS AND OPENING</p> 	<ul style="list-style-type: none"> • Two piece front with waist seam and channel • Grown on facing on each front • 5.5cm wide <p><u>Left front as worn</u></p> <ul style="list-style-type: none"> • Slide fastener sewn on inside of front • Back edge of slide fastener positioned 5.0cm from front edge • Sewn with two rows of stitching 0.6cm apart • The top stop to finish level with the top edge of the collar • Stitching to finish 4cm from bottom of slide fastener • Webbing effective length 5cm • Sewn to bottom edge of slide fastener with two rows of stitching 0.6cm apart • Top edge securely sewn to front with two rows of stitching 0.6cm apart • Five fastener hook elements 20mm wide 10cm long • Positioned 0.5cm from front edge • 1st element sewn to hood • 2nd element positioned 2cm down from the collar seam • 5th element positioned 7.5cm up from bottom edge • Remaining elements positioned equidistantly between 2nd and 5th elements • All touch and close to be 'flag' stitched 	

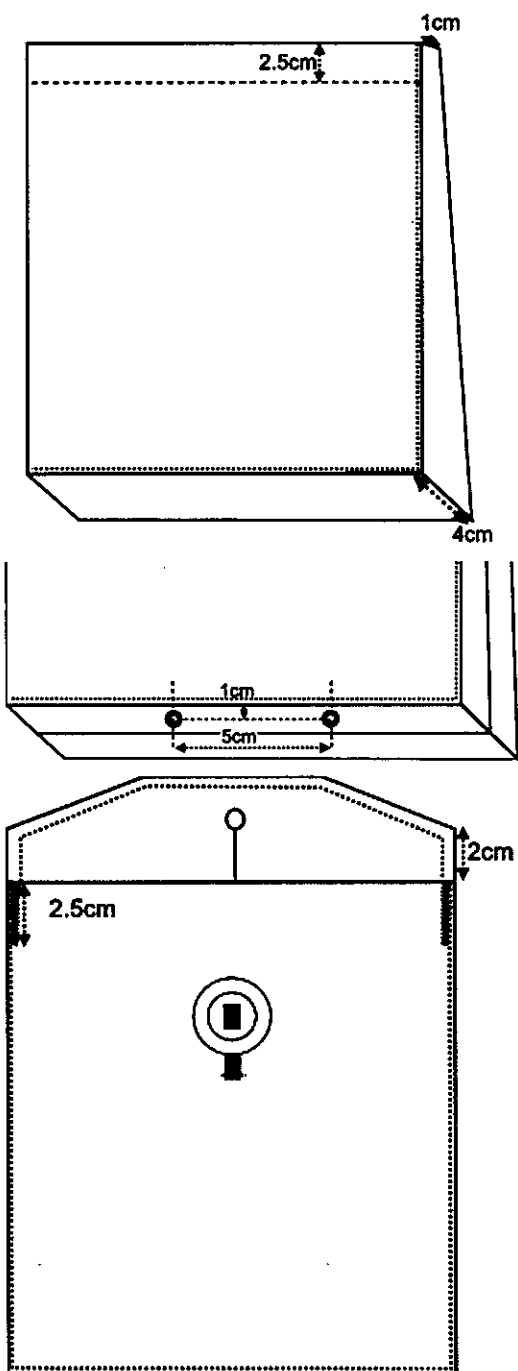
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.2 FRONT FACINGS AND OPENING_continued</p> 	<p><u>Right front as worn</u></p> <ul style="list-style-type: none"> • Slide fastener sewn on outside of front • Edge of tape positioned 5.0cm from front edge • Sewn with two rows of stitching 0.6cm apart • The top stop to finish level with the top edge of the hood • Stitching to finish 4cm from bottom of slide fastener • Webbing effective length 5cm • Sewn to bottom edge of slide fastener with two rows of stitching 0.6cm apart • Top edge securely sewn to front with two rows of stitching 0.6cm apart • Five fastener loops elements 10cm long • All touch and close to be 'flag' stitched • Sewn in register with the hook elements • Slide fastener puller cut in cord • Effective length 3cm attached to puller • Two slotted buttons are attached to the underside of the right facing with a becket • The becket effective length 11cm cut in cord • Securely tacked at top, bottom and centre • Positioned at the edge of the facing • Bottom edge 12cm up from the bottom edge of the smock 	
<p>5.3 RANK STRAP</p> 	<p><u>Left side as worn</u></p> <ul style="list-style-type: none"> • Cut two ply in main fabric • 5cm wide 14cm long • Topstitched 0.6cm • 3cm long buttonhole positioned centrally • The eye 1.6cm from the edge of the strap • Sewn on the outside of the left front • Positioned 23cm down from the hood seam • A slotted button attached with cord • Positioned on the front in register with the buttonhole on the strap 	<p>1.06.02 5.31.05 5.31.05</p>

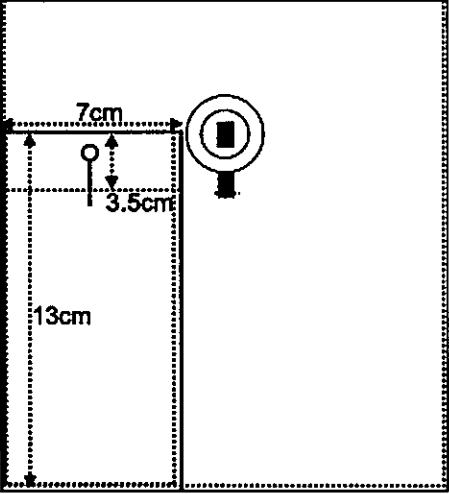
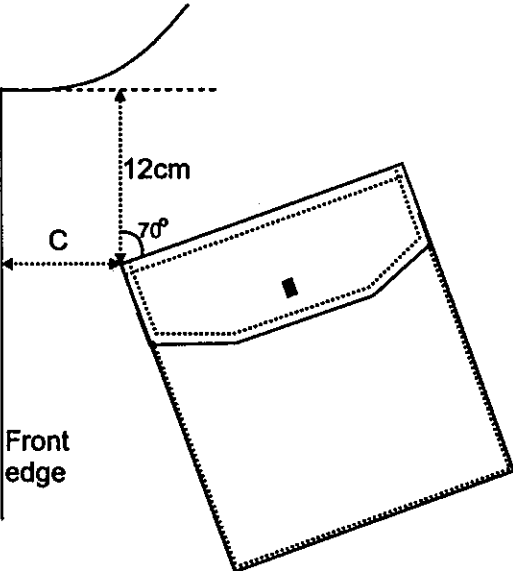
5. CONSTRUCTION continued

PART	DETAIL	BS 3870									
<p>5.4 POCKETS</p>   <p>Inside view</p>  	<p><u>Breast Pocket flap</u></p> <ul style="list-style-type: none"> • Flap cut two ply main fabric • Outer layer to have fusible interlining • Shaped as diagram, finished measurement as follows • 8cm deep at centre, 5cm deep at sides and 11.5cm opening, width to comply with pocket size • Buttonhole pocket cut on the fold in main material • 3cm buttonhole worked through both layers • Positioned centrally and eye 1cm from fold • Top stitched securely to the back of the flap • To finish 11.5cm wide and full depth the pocket flap • A line of top stitching through all layers 5cm from bottom of the flap (to reduce size of button cover pocket) • Bar tacked at corners • Flap and pocket opening topstitched 0.6cm • A becket effective length 9cm cut in cord 6mm wide • Divided into three equal 3cm loops and securely tacked (see diagram) • Positioned centrally on underside of flap 7cm from the bottom edge <p><u>Breast pocket bellows</u></p> <ul style="list-style-type: none"> • Cut two ply in main fabric folded at the top edge <p><u>See table for finished pocket dimensions</u></p> <table border="1" data-bbox="611 1848 1323 2038"> <thead> <tr> <th>Size Chest</th> <th>Depth from top of flap A</th> <th>Width B</th> </tr> </thead> <tbody> <tr> <td>160 and 170/88</td> <td>18</td> <td>18</td> </tr> <tr> <td>170 and over</td> <td>21</td> <td>19</td> </tr> </tbody> </table>	Size Chest	Depth from top of flap A	Width B	160 and 170/88	18	18	170 and over	21	19	
Size Chest	Depth from top of flap A	Width B									
160 and 170/88	18	18									
170 and over	21	19									

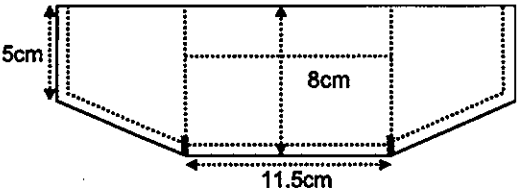
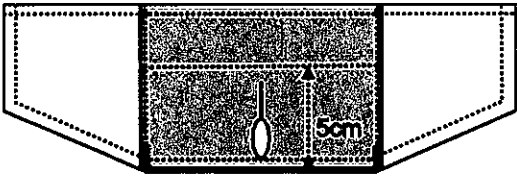
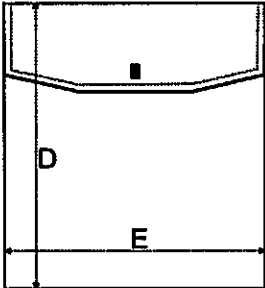
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.4 POCKETS continued</p> 	<p><u>Breast pocket bellows</u></p> <ul style="list-style-type: none"> • Front section of pocket extended 2.5cm to create storm guard • Bellows 4cm deep at bottom • 4cm at each side tapering to 1cm at the top • Side and bottom edges of pocket bellows edge stitched <ul style="list-style-type: none"> • Two eyelets worked in the front section of the bottom bellows spaced 5cm apart • Positioned 1cm from front edge <ul style="list-style-type: none"> • A slotted button attached to the patch with cord in register with the buttonhole in the flap • Top edge of pocket positioned 2cm down from the outer end of flap • Securely sewn down 2.5cm and bar tacked at the top edge 	<p>5.31.05</p>

5. CONSTRUCTION continued

PART	DETAIL		BS 3870												
<p>5.4 POCKETS continued</p>  	<p><u>Left side as worn</u></p> <ul style="list-style-type: none"> • A compass pocket sewn to breast pocket • Securely sewn at the top corners of the pocket • 7cm wide 13cm deep • 3.5cm inturn at top edge • 1.5cm long buttonhole positioned centrally • The eye 1cm from the top edge • Positioned at the front and bottom edge of the breast pocket • Patch sewn to front (see diagram) • Flap sewn to front and topstitched 0.6cm • Positioned with the front top corner at an angle of $70^{\circ} \pm 5^{\circ}$ from the vertical • 12cm down from neck seam <p><u>See tables for pocket position</u></p> <table border="1" data-bbox="612 1227 1324 1552"> <thead> <tr> <th>Size Chest</th> <th>In from finished front edge C</th> </tr> </thead> <tbody> <tr> <td>88</td> <td>9.5</td> </tr> <tr> <td>96</td> <td>10</td> </tr> <tr> <td>104</td> <td>10.5</td> </tr> <tr> <td>112</td> <td>11</td> </tr> <tr> <td>120</td> <td>11.5</td> </tr> </tbody> </table>		Size Chest	In from finished front edge C	88	9.5	96	10	104	10.5	112	11	120	11.5	<p>5.31.01</p> <p>6.02.03</p> <p>5.31.01</p> <p>5.31.05</p>
Size Chest	In from finished front edge C														
88	9.5														
96	10														
104	10.5														
112	11														
120	11.5														

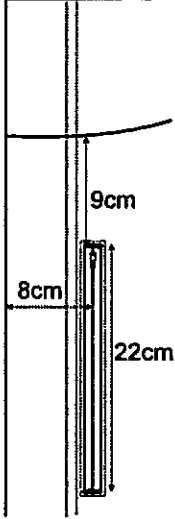
5. CONSTRUCTION continued

PART	DETAIL	BS 3870									
<p>5.4 POCKETS continued</p>   <p>Inside view</p> 	<p><u>Hip pocket flap</u></p> <ul style="list-style-type: none"> • Flap cut two ply main fabric • Outer layer to have fusible interlining • Shaped as diagram, finished measurement as follows • 8cm deep at centre, 5cm deep at sides and 11.5cm opening • Buttonhole pocket cut on the fold in main material • 3cm buttonhole worked through both layers • Positioned centrally and eye 1cm from fold • Top stitched securely to the back of the flap • To finish 11.5cm wide and full depth the pocket flap • A line of top stitching through all layers 5cm from bottom of the flap (to reduce size of button cover pocket) • Bar tacked at corners • Flap and pocket opening topstitched 0.6cm <p><u>Hip pocket bellows</u></p> <ul style="list-style-type: none"> • Cut two ply in main fabric folded at the top edge <p><u>See table for finished pocket dimensions</u></p> <table border="1" data-bbox="619 1473 1316 1673"> <thead> <tr> <th>Size Height/ Chest</th> <th>Depth from top of flap D</th> <th>Width E</th> </tr> </thead> <tbody> <tr> <td>160</td> <td>22</td> <td>20</td> </tr> <tr> <td>170 and over</td> <td>24</td> <td>22</td> </tr> </tbody> </table>	Size Height/ Chest	Depth from top of flap D	Width E	160	22	20	170 and over	24	22	<p>1.06.02</p>
Size Height/ Chest	Depth from top of flap D	Width E									
160	22	20									
170 and over	24	22									

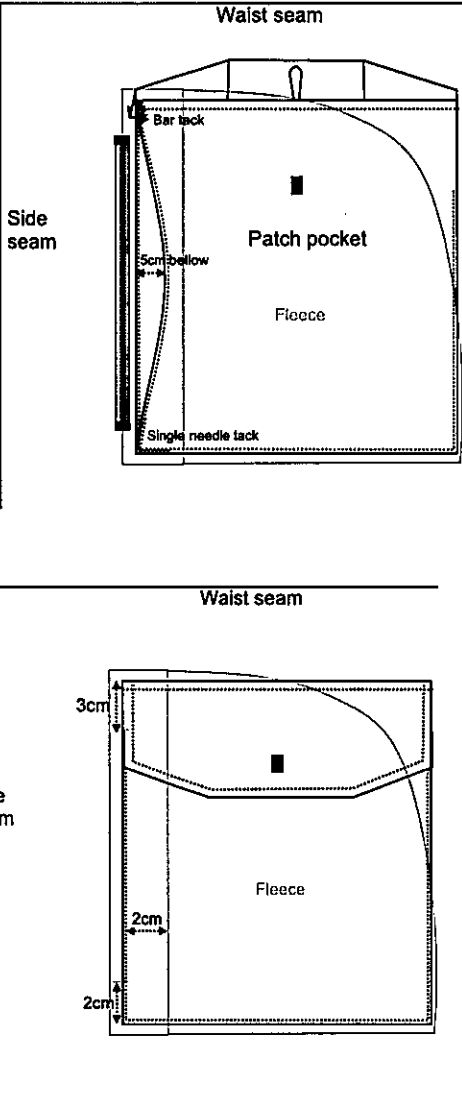
5. CONSTRUCTION continued

PART	DETAIL	BS 3870																								
<p>5.4 POCKETS continued</p>	<ul style="list-style-type: none"> • Front section of pocket extended 2.5cm to create storm guard • Bellows 4cm deep at bottom • 4cm at each side tapering to 1cm at the top • Side and bottom edges of pocket bellows edge stitched • Two eyelets worked in the front section of the bottom bellows spaced 5cm apart • Positioned 1cm from front edge • A slotted button attached to the patch with cord in register with the buttonhole in the flap • Top edge of pocket positioned 2cm down from the outer end of flap • Securely sewn down 2.5cm and bar tacked at the top edge • Patch sewn to front (see diagram) • Flap sewn to front and topstitched 0.6cm <p>See tables for pocket position</p> <table border="1" data-bbox="614 1489 1323 2092"> <thead> <tr> <th>Size Chest</th> <th>From front edge F</th> </tr> </thead> <tbody> <tr><td>88</td><td>12</td></tr> <tr><td>96</td><td>12.5</td></tr> <tr><td>104</td><td>13</td></tr> <tr><td>112</td><td>13.5</td></tr> <tr><td>120</td><td>14</td></tr> <tr> <th>Size Height</th> <th>From waist seam G</th> </tr> <tr><td>160</td><td>5</td></tr> <tr><td>170</td><td>6</td></tr> <tr><td>180</td><td>7</td></tr> <tr><td>190</td><td>8</td></tr> <tr><td>200</td><td>9</td></tr> </tbody> </table>	Size Chest	From front edge F	88	12	96	12.5	104	13	112	13.5	120	14	Size Height	From waist seam G	160	5	170	6	180	7	190	8	200	9	<p>5.31.05</p> <p>5.31.01</p> <p>5.31.05</p>
Size Chest	From front edge F																									
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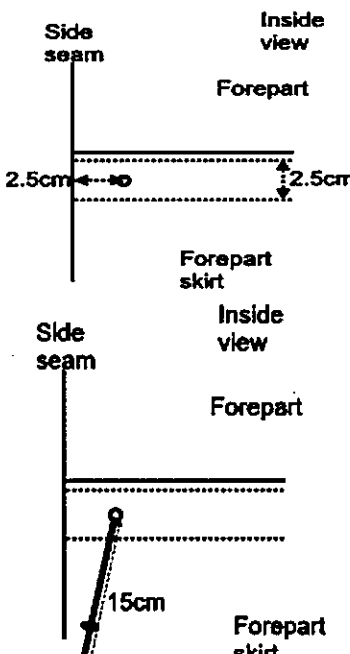
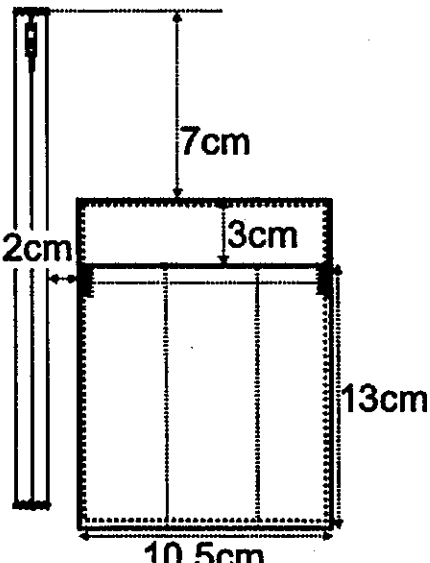
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.4 POCKETS continued</p> 	<p><u>Vertical jettted breast pocket</u></p> <ul style="list-style-type: none"> • Double jettted opening formed in each front • Slide fastener 22cm long sewn into each opening • Bar tacked at each end • Positioned 9cm from neck seam • Parallel and 8cm from front edge 	

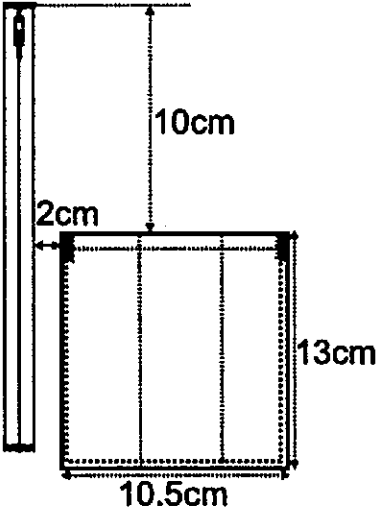
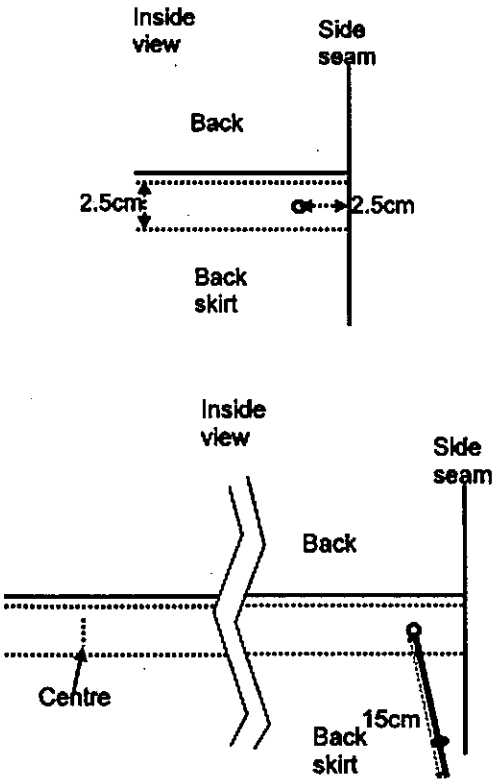
5. CONSTRUCTION continued

PART	DETAIL	BS 3870						
<p>5.4 POCKETS continued</p> 	<p><u>Hand warming pocket</u></p> <ul style="list-style-type: none"> • Formed behind each hip pocket • Positioned vertically along the outer side of the hip pocket • Double jettted effect 1cm wide opening on the main jacket panel • Underside of jett to be 2cm wide, attached to the underside of the hand warmer opening • The outer jett is 0.5cm wide • Double jett opening to be bar tacked top and bottom to secure • Slide fastener to be inserted in opening • Pocket bar tacked through the flap at the top corners • Pocket single needle tacked 3cm x 3cm at the bottom outer corner • The hand warmer opening is positioned 3cm down from the top of the pocket and flap, and 2cm up from the bottom of the pocket • Hand warmer pocket opening length: <table border="1" data-bbox="630 1310 1305 1512"> <thead> <tr> <th>Size: Height/Chest</th> <th>Hand Warmer Pocket Opening</th> </tr> </thead> <tbody> <tr> <td>160</td> <td>17cm</td> </tr> <tr> <td>170 and over</td> <td>19cm</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • A shaped fleece pocket to be attached to the both facings (as on diagram) • Shaped edge to be caught in with the attachment of the bellows pocket • The straight edge of the fleece pocket to be caught into the outer jett 	Size: Height/Chest	Hand Warmer Pocket Opening	160	17cm	170 and over	19cm	
Size: Height/Chest	Hand Warmer Pocket Opening							
160	17cm							
170 and over	19cm							

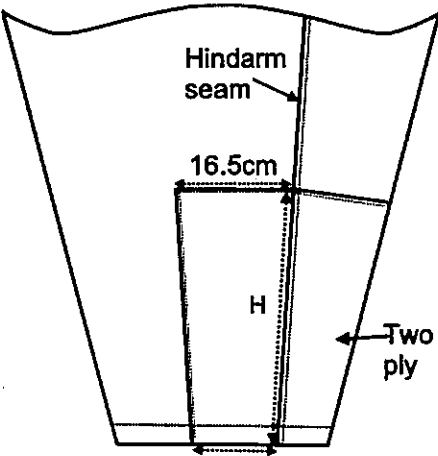
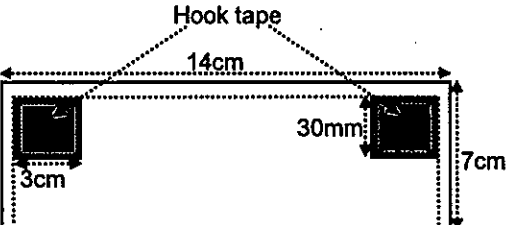
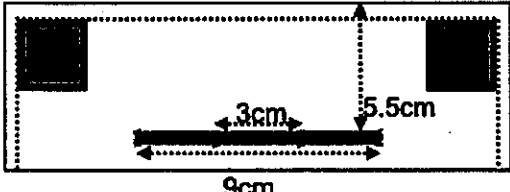
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.5 LINING AND WAIST CHANNEL</p> 	<p><u>Front</u></p> <ul style="list-style-type: none"> For Smock :- (D01750) -Front top fully lined in mesh material For Smock 2:- (D02396) - Front top fully lined in main material Lining sewn in with the garment seams and finished at the front edge <p><u>Waist seam</u></p> <ul style="list-style-type: none"> Waist seam sewn to form a 2.5cm deep channel An eyelet reinforced with main fabric is worked centrally in the channel Positioned 2.5cm from the side seam Not to show on the outside A draw cord is fitted in the channel One end securely sewn in with the front side fastener Free end extends 15cm from the eyelet and knotted 	<p>2.05.06</p>
<p>5.6 PEN POCKET</p> 	<p><u>Pen Pocket for Smock (D01750)</u></p> <ul style="list-style-type: none"> A pen pocket cut in 2 ply (on the fold) main fabric, with 3cm extension to the back Pens to be inserted between plies Pen section 10.5cm wide and 13cm deep 1cm inturn at top edge of pen section and top edge of extension Whole pocket plus extension to be securely topstitched to mesh, all the way round the edge Positioned with the front edge 2cm from jettted opening The top edge 7cm down from the top of the jettted opening Bar tacked at top corners of pen section Two rows of stitching the full depth of the patch to divide the pocket into three equal 3.5cm sections 	<p>6.02.03 6.02.03 5.31.01</p>

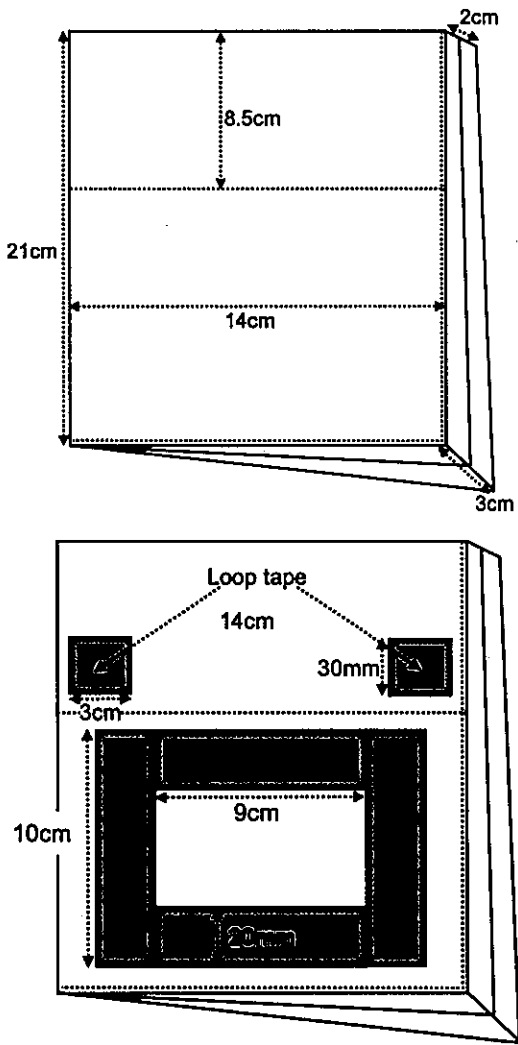
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.6 PEN POCKET continued</p> 	<p><u>Pen Pocket for Smock 2 (D02396)</u></p> <ul style="list-style-type: none"> • Pen pocket cut in main fabric sewn to main material lining • 10.5cm wide and 13cm deep • 1cm inturn at top edge of pen section and top edge of extension • Positioned with the front edge 2cm from jetted opening • The top edge 10cm down from the top of the jetted opening • Bar tacked at top corners of pen section • Two rows of stitching the full depth of the patch to divide the pocket into three equal 3.5cm sections 	<p>6.02.03</p> <p>5.31.01</p>
<p>5.7 BACK AND WAIST SEAM</p> 	<p><u>Back</u></p> <ul style="list-style-type: none"> • <u>For Smock:- (D01750)</u> - Back top fully lined in mesh material • <u>For Smock 2:- (D02396)</u> - Back top fully lined in main material • Lining sewn in with the garment seams <p><u>Waist seam</u></p> <ul style="list-style-type: none"> • Waist seam sewn to form a 2.5cm deep channel • Top edge of the skirt can be cut on the selvedge • An eyelet reinforced with main fabric is worked centrally in the channel • Positioned 2.5cm from the side seam • Not to show on the outside • A draw cord is fitted in the channel • Securely tacked at the centre back • Free end extends 15cm from the eyelet and knotted 	<p>2.05.06</p>

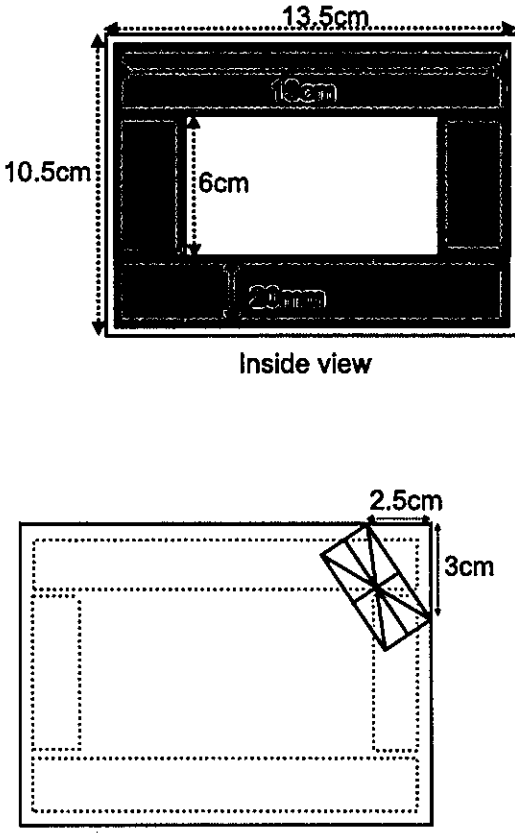
5. CONSTRUCTION continued

PART	DETAIL	BS 3870																		
<p>5.8 SLEEVE</p>  <p>16.5cm</p> <p>H</p> <p>Two ply</p> <p>11cm (10cm for size 88)</p> <p>left sleeve as worn</p>  <p>Hook tape</p> <p>14cm</p> <p>30mm</p> <p>3cm</p> <p>7cm</p>  <p>3cm</p> <p>5.5cm</p> <p>9cm</p>	<p>Two piece sleeve</p> <p><u>Reinforcement lining panel</u></p> <ul style="list-style-type: none"> • Top sleeve internal reinforcement patch extending from the cuff • 11cm wide at cuff (except for size 160, 10cm) and 16.5cm wide at top edge • Under sleeve internal reinforcement patch extending from the cuff <p><u>Panel length see table below</u></p> <table border="1" data-bbox="612 784 1321 1108"> <thead> <tr> <th>Size</th> <th>Height</th> <th>Length of patch H</th> </tr> </thead> <tbody> <tr> <td>160</td> <td></td> <td>31</td> </tr> <tr> <td>170</td> <td></td> <td>36</td> </tr> <tr> <td>180</td> <td></td> <td>41</td> </tr> <tr> <td>190</td> <td></td> <td>46</td> </tr> <tr> <td>200</td> <td></td> <td>51</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Sleeve and underarm seam topstitched 0.6cm <p><u>Bellows patch pocket and flap</u></p> <p><u>Flap</u></p> <ul style="list-style-type: none"> • Pocket flap cut straight to have fusible interlining (see fusing diagram) • Cut two ply main fabric • Width 14cm depth 7cm • Topstitched 0.6cm • Two fastener hook elements 30mm wide 3cm long • Positioned 0.6cm from bottom and side edges of the flap • Stitched through both plies • A becket effective length 9cm • Divided into three equal 3cm loops • Positioned centrally on underside of flap 5.5cm from the bottom edge • Securely tacked at each end • Securely tacked 3cm in from each end 	Size	Height	Length of patch H	160		31	170		36	180		41	190		46	200		51	<p>1.06.02</p>
Size	Height	Length of patch H																		
160		31																		
170		36																		
180		41																		
190		46																		
200		51																		

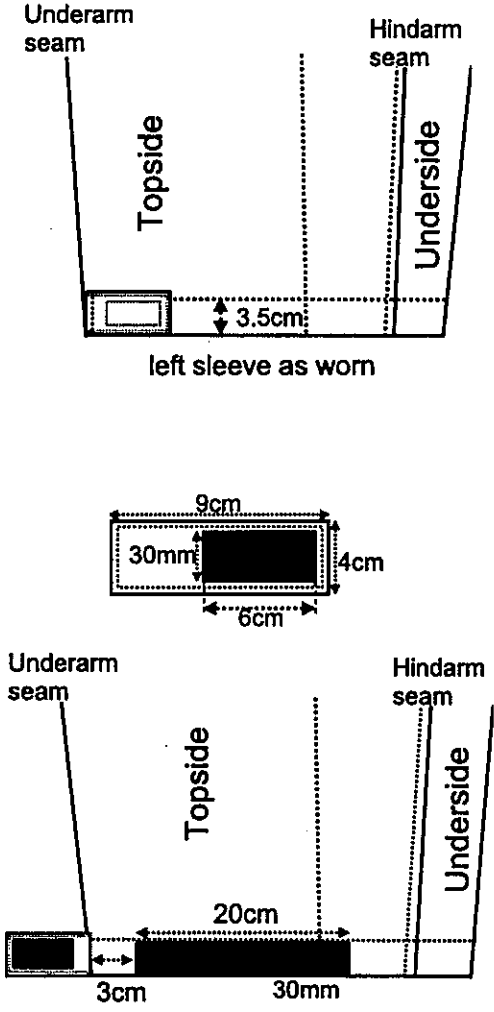
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.8 SLEEVE continued</p> 	<p><u>Bellows patch pocket</u></p> <ul style="list-style-type: none"> • 14cm wide, 21cm deep • Bellows 3cm deep at bottom at back edge • Tapering to 2cm at the top • Front edge without bellow • Side and bottom edges of pocket bellows edge stitched • Bellows edge stitched centrally on the inside of the pocket • Pocket facing 8.5cm deep and sewn • Two fastener loop elements 30mm wide 3cm long • Positioned and sewn through the facing in register with the flap • Two fastener loop elements 20mm wide and 10cm long to be sewn vertically to the pocket • Two fastener loop elements 20mm wide and 9cm long sewn horizontally to the pocket • Positioned as on diagram, so the "picture frame" of touch and close is central on the pocket 	<p>5.45.01</p> <p>6.02.03</p>

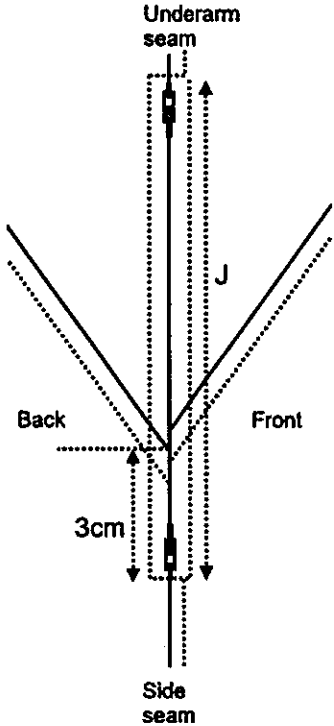
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.8 SLEEVE continued</p>  <p>Inside view</p> <p>Outside view (left side only)</p>	<p><u>“Blanking plate” (cover to hide touch and close on bellows pocket when not in use)</u></p> <ul style="list-style-type: none"> • Blanking plate cut single ply • Turn back edge on all sides, finished width 13.5cm and depth 10.5cm • Two fastener hook elements 20mm wide and 9cm long sewn horizontally to the pocket • Positioned as on diagram, so the “picture frame” of touch and close is central on the blanking plate • Right side blanking plate without Union Flag • Left side blanking plate with Union Flag • Union flag sewn to top right hand corner of blanking plate • Positioned as on diagram, 2.5cm along the horizontal and 3cm down on the vertical • Corners of flag to reach edge of blanking plate as shown on diagram • No more than 3mm of green ribbon should show-do not stitch through the Union Flag 	<p>6.02.03</p>

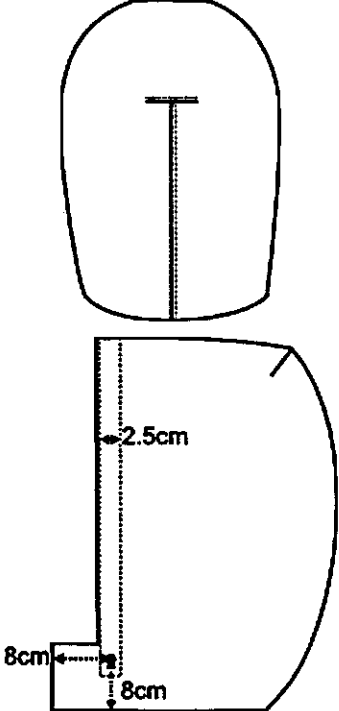
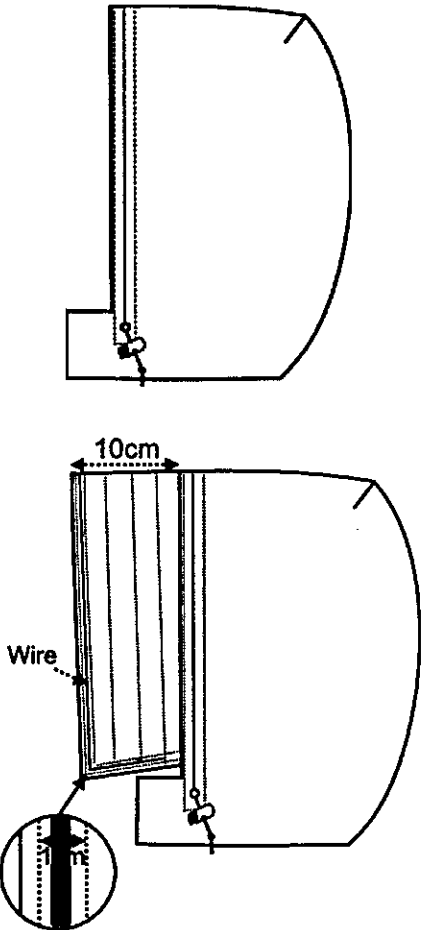
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.9 CUFF</p>  <p>Underarm seam</p> <p>Hindarm seam</p> <p>Topside</p> <p>Underside</p> <p>3.5cm</p> <p>left sleeve as worn</p> <p>9cm</p> <p>30mm</p> <p>4cm</p> <p>6cm</p> <p>Underarm seam</p> <p>Hindarm seam</p> <p>Topside</p> <p>Underside</p> <p>20cm</p> <p>3cm</p> <p>30mm</p> <p>left sleeve as worn</p>	<ul style="list-style-type: none"> Sleeve upturn 3.5cm deep Cuff tab cut two plies of main fabric 4cm wide 9cm long Fastener hook element 30 mm wide 6cm long Positioned 1cm from free end and on the reverse side Cuff tab sewn to the topside of the sleeve adjacent to the underarm seam Positioned at the bottom edge of the cuff Free end positioned over the topside of the sleeve Fastener loop element 20cm long Sewn centrally at the bottom edge of the cuff Positioned on the topside and 3cm from the underarm seam 	<p>6.02.03</p> <p>5.31.05</p> <p>5.31.05</p>

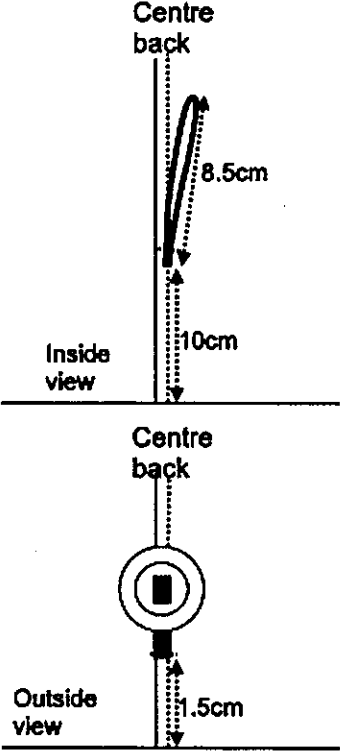

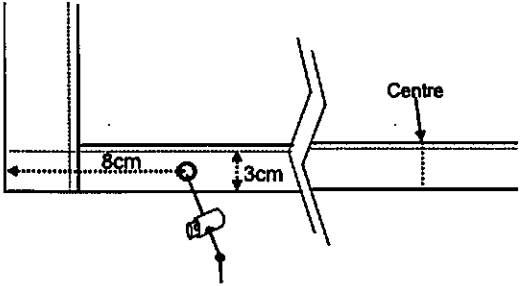
5. CONSTRUCTION continued

PART	DETAIL		BS 3870												
<p>5.10 UNDERARM VENTS</p> 	<ul style="list-style-type: none"> • Vertical vent opening in each side/underarm seam • Two way slide fastener sewn into each vent • Positioned 3cm below back under arm seam • See table for size of slide fastener lengths <table border="1" data-bbox="611 656 1321 981"> <thead> <tr> <th>Size Height</th> <th>Length of slide fastener J</th> </tr> </thead> <tbody> <tr> <td>160</td> <td>23</td> </tr> <tr> <td>170</td> <td>26</td> </tr> <tr> <td>180</td> <td>29</td> </tr> <tr> <td>190</td> <td>32</td> </tr> <tr> <td>200</td> <td>35</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Side and underarm seam 0.6cm topstitched • Slide fastener puller cut in cord • Effective length 3cm attached to puller 		Size Height	Length of slide fastener J	160	23	170	26	180	29	190	32	200	35	
Size Height	Length of slide fastener J														
160	23														
170	26														
180	29														
190	32														
200	35														

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.11 HOOD</p> 	<ul style="list-style-type: none"> • One piece cut single ply with a centre back seam • Back seams topstitched 0.6cm • Fully lined in main fabric • 2.5cm wide channel is stitched at the front of the hood (created between the two plys) • Eyelets reinforced with main fabric are worked centrally in the channel • Positioned 8cm from the front and bottom edges 	1.06.02
	<ul style="list-style-type: none"> • A draw cord 84cm long inserted in the channel and threaded through eyelets • The ends of the draw cord are fitted with adjusters • The male adjuster on the right side • The female adjuster on the left side • Ends of draw cords knotted • Draw cord securely stitched through channel at centre of hood • Front cowl cut two ply in main fabric sewn to the hood • 10cm deep • The outer edges of the cowl doubled stitched to form a 1cm channel • Copper wire inserted in channel • Three additional rows of stitching on the cowl positioned equally between the front and rear edges of cowl 	1.15.01 1.06.04

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.12 HOOD continued</p> 	<ul style="list-style-type: none"> • A hood retaining loop of braid 6mm wide • Sewn to the centre back inside the hood • Effective length 8.5cm • Positioned 10cm from the bottom of the hood <ul style="list-style-type: none"> • A slotted button attached with braid 6mm wide to the outside of the hood • Positioned 1.5cm up from the bottom of the hood 	<p>5.31.05</p> <p>5.31.05</p>
<p>5.13 HANGER</p> 	<ul style="list-style-type: none"> • Sewn at centre back neck centrally in the neck seam • Effective length 6cm 	
<p>5.14 UPTURN</p> 	<ul style="list-style-type: none"> • 3cm upturn • An eyelet reinforced with main fabric is worked centrally in the upturn • Positioned 8cm from each front edge • Draw cord inserted in the upturn and securely stitched at the centre back • The ends of the draw cord extend 6cm from the eyelet • Fitted with an adjuster and knotted 	<p>6.02.01</p>

6. LABELLING REQUIREMENTS

Labels	Colour	Position
Identification, garment care labels and Camouflage registration	White	Attached to the lining at the centre back neck, 1cm below the collar seam

Care, size and camouflage registration labels for MTP only may be combined to produce one label.

The main material fibre content is to be added to the identification label

Identification Label

Information and format is to be as follows

For Stock Items

Item name, NATO stock number, size, contract number, indication of position for wearer's name, number, broad arrow and fibre content; the size number is to be 0.6cm high

Outsize

Item name, NATO stock number, name, number and measurements of wearer, contract number, broad arrow and fibre content

Manufacturer Information


Under no circumstances should the contractor's name, logo or trademark appear on any form of labelling or garment bags

6. LABELLING REQUIREMENTS continued


SPECIMEN LABELS

Identification Labels

Stock Items

SMOCK , COMBAT, WINDPROOF, MTP*,  NSN: 8415-99-396-6000* Size: 190/112* NATO size: 8090/0515* Contract No. Name: No: (Fibre content to be added here)
--

Outsize

SMOCK, COMBAT, WINDPROOF, MTP*,  NSN: 8415-99-396-6004* Name: No: Height Chest Contract No: (Fibre content to be added here)

*Amend details as appropriate

Care Label

	Wash as synthetic medium wash
	DO NOT BLEACH
	Tumble Dry Higher heat setting
	Warm Iron (Steam iron to improve water repellency)
	DO NOT DRY CLEAN
DO NOT IRON TOUCH AND CLOSE TAPE	

Camouflage Registration Label for MTP only

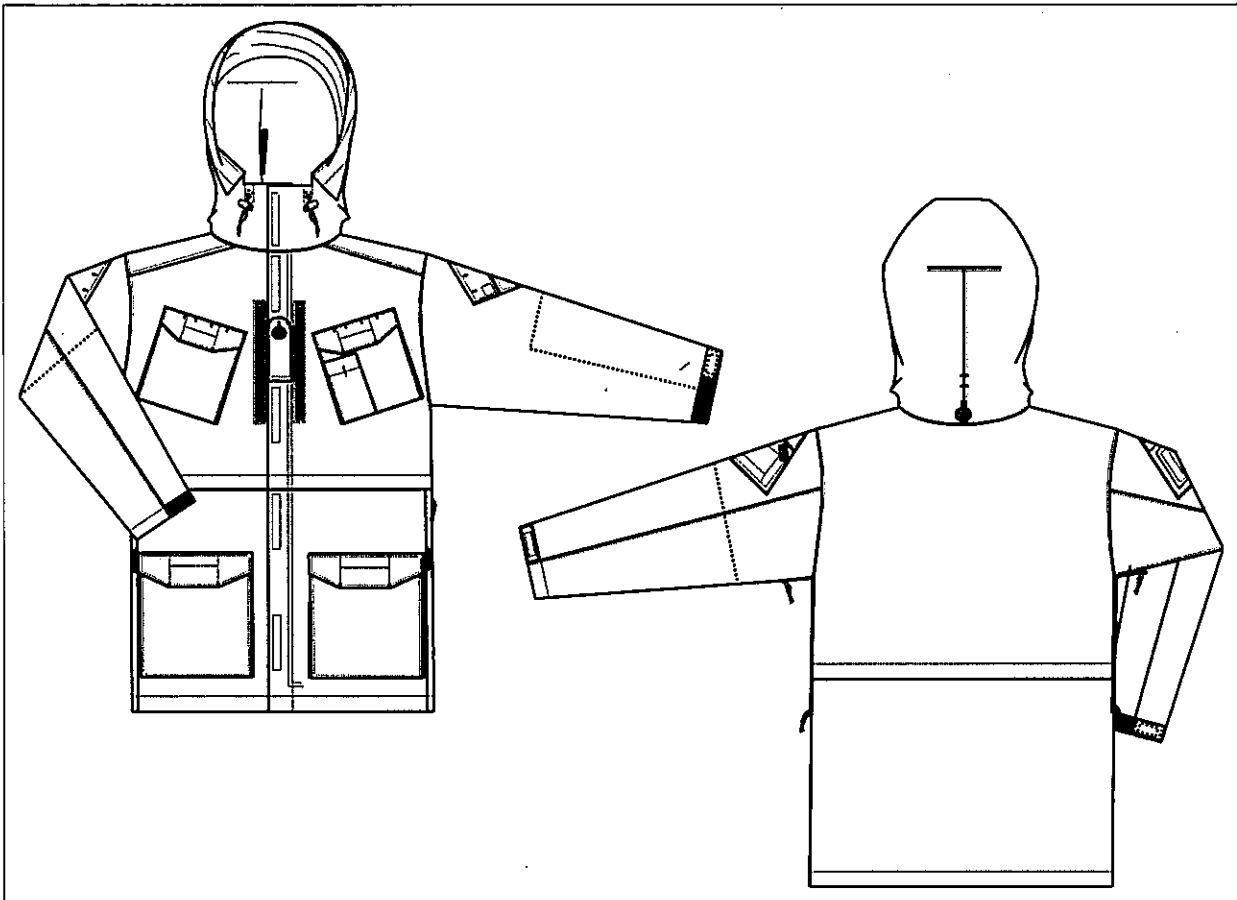
Camouflage Pattern Registered Design No. RCD001627035-0001
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6. LABELLING REQUIREMENTS continued

NATO Stock Numbers and Size Smock

Size	NATO size	NATO Stock No Multi-Terrain Pattern	NATO Stock No Blue Camouflage
160/88	5060/8590	8415-99-396-5988	8415-99-844-1308
160/96	5060/9095	8415-99-396-5989	8415-99-844-1309
160/104	5060/9505	8415-99-396-5990	8415-99-844-1310
170/88	6070/8590	8415-99-396-5991	8415-99-844-1311
170/96	6070/90/95	8415-99-396-5992	8415-99-844-1312
170/104	6070/9505	8415-99-396-5993	8415-99-844-1313
170/112	6070/0515	8415-99-396-5994	8415-99-844-1314
180/96	7080/9095	8415-99-396-5995	8415-99-844-1315
180/104	7080/9505	8415-99-396-5996	8415-99-844-1316
180/112	7080/0515	8415-99-396-5997	8415-99-844-1317
190/96	8090/9095	8415-99-396-5998	8415-99-844-1318
190/104	8090/9505	8415-99-396-5999	8415-99-844-1319
190/112	8090/0515	8415-99-396-6000	8415-99-844-1320
190/120	8090/1520	8415-99-396-6001	8415-99-844-1321
200/112	-	8415-99-396-6002	8415-99-844-1322
200/120	-	8415-99-396-6003	8415-99-844-1323
Outsize		8415-99-396-6004	8415-99-844-1324

7. TECHNICAL DATA SHEETS



Item Description	SMOCK , COMBAT, WINDPROOF, MTP, PCS, CU
Pattern No.	D02396
NATO Stock No.	8415-99-396-5988 to 6004
<p>Scope: A windproof combat smock supplied in MTP. The Smock forms part of the Personal Clothing System (PCS), Combat Uniform (CU).</p> <p>The size schedule provides for sixteen sizes and outsize in each colour</p>	
Item Description	SMOCK, COMBAT, WINDPROOF, BLUE CAMOUFLAGE
Pattern No.	D02396 to guide
NATO Stock No.	8415-99-844-1308 to 1324
<p>Scope: A windproof combat smock supplied in blue camouflage. The Smock forms part of the Personal Clothing System (PCS), Combat Uniform (CU).</p> <p>The size schedule provides for sixteen sizes and outsize in each colour</p>	

7. TECHNICAL DATA SHEETS continued

Related Specifications	Title
BS EN ISO 105 Part C06	Textiles – tests for colour fastness Colour fastness to domestic and commercial laundry
BS EN ISO 139	Textiles. Standard atmospheres for conditioning and testing
BS EN ISO 3758	Textiles. Care labelling code, using symbols
BS EN ISO 5077	Textiles. Determination of dimensional change in washing and drying
BS EN ISO 6330	Textiles. Domestic washing and dry cleaning procedures for textile testing
BS EN ISO 9237	Textiles. Determination of the permeability of fabrics to air
BS EN ISO 12945 Part 1	Textiles. Determination of fabric propensity to surface fuzzing and to pilling. Pilling box method
BS EN ISO 13934 Part 1	Textiles – Tensile properties of fabrics Determination of maximum force and elongation at maximum force using the strip method
BS EN ISO 13938 Part 1	Textiles. Bursting properties of fabrics. Hydraulic method for determination of bursting strength and bursting distension
BS EN ISO 1833 Part 11	Textiles - Quantitative chemical analysis: Mixtures of cellulose and polyester fibres (method using sulphuric acid)
BS EN 12127	Textiles: Fabrics – Determination of mass per unit area using small samples
BS EN 12590	Textiles. Industrial sewing threads made wholly or partly from synthetic fibres
BS 3424 Part 18	Testing coated fabrics. Methods 21A and 21B. Methods for determination of resistance to wicking and lateral leakage
BS 3424 Part 26	Testing coated fabrics. Methods 29A, 29B, 29C and 29D. Methods for determination of resistance to water penetration and surface wetting
BS 3449	Method for resistance of fabrics to water absorption (Static immersion test)
BS 3866	Specification for holes and shanks for buttons
BS 3870 Part 1 & 2	Stitches and Seams
BS 4162	Method of test for buttons

7. TECHNICAL DATA SHEETS continued

Related Specifications	Title
BS 4745	Textiles. Method for determination of thermal resistance of textiles
BS 4973 Part 2	Interlinings non-woven, fusible interlinings
BS 5441	Method of test for knitted fabrics
BS 5742	Textile labels requiring to be washed and/or dry cleaned
BS 7141 Part 1	Narrow fabrics. Specification for polyamide and polyolefin woven tapes and webbings
BS PD 6527 Part 19	Methods of test for textiles (other than those methods already published as British Standards)
DEF STAN 83-86	Specification for touch and close fasteners
UK/SC/4559	Slide fasteners – Metallic and non-metallic chains
UK/SC/4782	Cord, braided nylon
UK/SC/5844	Cloth, plain weave, cotton/polyester, Camouflage Pattern
UK/SC/5929	Badge organisational arm union flag
UK/SC/6600	Camouflage patterns

BILL OF MATERIALS

Reference	Description
Pattern No. 8872C to UK/SC/5844 Pattern No MAT0006B for colour print	MAIN MATERIAL FOR MTP Cloth, plain weave, cotton/polyester Multi-Terrain Pattern
Base Cloth to UK/SC/5844 Pattern No. 8872F to UK/SC/5844	MAIN MATERIAL FOR BLUE CAMOUFLAGE Cloth, plain weave, cotton/polyester, Blue Camouflage
See Table 1	HANDWARMER POCKET Cloth, knitted, polyester, lightweight fleece pile, Light Olive to match Pantone Shade 18-0820TC for MTP Blue for to match Pantone Shade 19-4110TC for Blue Camouflage

BILL OF MATERIALS continued

Components	Size/Colour	Reference/Description	Notes/NATO Stock No.
<p><i>For MTP garment-Light Olive components are to closely match Pantone shade 18-0820TC</i> <i>For Blue Camouflage garment-Blue components are to closely match Pantone shade 19-4110TC</i></p>			
Interlining		<p>POCKET FLAPS</p> <p>Interlining fusible: non woven type</p>	BS 4973 Part 2
Slide fastener	<p>Length in accordance with the size schedule</p> <p>Length in accordance with the size schedule</p> <p>22cm long</p>	<p>FRONT OPENING</p> <p>Heavyweight polyester or polyamide moulded member, open ended with gate fitting, two way auto-locking sliders and top stops, 17mm stringer</p> <p>UNDERARM VENTS</p> <p>Medium weight polyester or polyamide moulded member with auto-locking sliders, closed ends, 15mm stringer</p> <p>POCKETS</p> <p>Medium weight polyester or polyamide moulded member with auto-locking sliders, closed ends, 15mm stringer</p>	UK/SC/4559
Cord	9mm	<p>BOTTOM CHANNEL, WAIST, HANGER, HOOD DRAW CORD, HOOD RETAINING LOOP SLIDE FASTENER TAGS, BUTTON FASTENINGS, AND BECKETTS</p> <p>Cord, braided, nylon</p>	Pattern No. 9483E to UK/SC/4782 to guide

BILL OF MATERIALS continued

Components	Size/Colour	Reference/Description	Notes/NATO Stock No.
Fastener tape	20mm 30mm	Tape fastener, hook and loop Selvedges are to be finished/sealed to prevent fraying FRONT OPENING AND BLANKING PLATE CUFFS AND BELLOWS PATCH POCKETS	DEF STAN 83-86
Webbing	25mm	SLIDE FASTENER Webbing, nylon	BS 7141, Part 1 to match construction of Pattern No 9442
Cord adjuster		BOTTOM CHANNEL Cord grip, plastic HOOD Cord grips, Acetal	As on the Standard Pattern or an alternative approved by DC As on the Standard Pattern or an alternative approved by DC Ref No.DCL, supplied by ITW Nexus Europe, Kingswick House, Sunninghill, Berks, 5LS 7BH, has been found to be suitable
Buttons	29mm 19mm	Button, slotted, matt finish POCKETS, RANK STRAP AND SPARE BUTTONS HOOD RETAINING LOOP	Style and shade to match standard pattern. Must comply with BS3866 and BS4162
Union Flag		POCKET Badge, Organisation Arm Union Flag	8455-99-978-8929 Pattern number 24805 to UK/SC/5929

BILL OF MATERIALS continued

Components	Size/Colour	Reference/Description	Notes/NATO Stock No.
Identification, care instruction and Camouflage registration label	White	Refer to Section 6	BS 5742 Paragraph 3 BS EN ISO 3758 Max change 3 in colour change of print after 5 x BS EN ISO 105 CO6: C2S wash cycles
Thread	Metric Ticket No 12 180 75	Polyester/cotton corespun BUTTONHOLES OVEREDGE STITCHING ALL OTHER SEWING	BS EN 12590 Gimp

TABLE 1 - REQUIREMENTS FOR KNITTED CLOTH (FLEECE) – HANDWARMER POCKET

METHOD OF TEST					
BS EN ISO 1833-11	BS EN 12127	BS 5441	BS EN ISO 13938-1	BS EN ISO 9237	BS PD 6527 Part 19
Composition	Mass	Knitted Construction	Bursting strength	Air permeability	Snagging (fleece side)
		Wales & Courses	Diameter of specimen 30.5 mm		After 400 revolutions
%	g/m ²	Per cm	kPa	mm/sec	Rating
Min	+/- 10	± 1	Min	Min	Min
		Wales			
		Courses			
100% Polyester	185	13	650	700	2-3

TABLE 1 (cont)

REQUIREMENTS FOR KNITTED CLOTH (FLEECE) – HANDWARMER POCKET continued

		METHOD OF TEST			
BS EN ISO 12945-1	BS 4745 2-plate method fixed pressure	BS EN ISO 5077	Table 3	BS 3449	Table 2
Pilling (fleece side) After 36,000 cycles	Thermal properties	Dimensional stability After 1 wash/dry cycle to BS EN ISO 6330, Process 4M, Drying procedure F (high)	Longitudinal Wicking Reverse side only Wicking Distance Longitudinal method After 5 minutes	*Absorption	*Evaporation Rate After 3 hours
Rating	Garment tog	%	mm	%	%
Min	Min	Max +/-	Min	Min	Min
		Length & Width	Length		
4	0.5	3	45	140	50
			Width		
			25		

TABLE 2
METHOD OF TEST FOR EVAPORATION RATE

1. Specimens	<ul style="list-style-type: none"> After the Absorption test to BS 3449 retain the four specimens to conduct this test
2. Method	<ul style="list-style-type: none"> The mass of the wet specimen as measured in the Absorption test to BS 3449 should be noted Place the specimens on a drying rack in the Standard temperate atmosphere for testing textiles as defined in BS EN ISO 139 i.e. $65 \pm 2\%$ rh/20 ± 2 °C, for <u>3 hours</u> Re-weigh the samples as described in BS 3449 using a lightweight airtight container
3. Calculation and expression of results	<ul style="list-style-type: none"> Calculate the evaporation rate (in %) for each test specimen using the following formula: <ul style="list-style-type: none"> M1 – mass of container (in g) M2 – mass of container plus specimen after 3 hours conditioning (in g) M3 – mass of wet specimen after Absorption test (in g) Evaporation Rate = $\frac{M3 - (M2 - M1)}{M3} \times 100$ Calculate the mean percentage evaporation rate for the four specimens to the nearest 1%

TABLE 3
METHOD OF TEST FOR WICKING – LONGITUDINAL METHOD

1. Specimens	<ul style="list-style-type: none"> Prepare four specimens each in the Warp and Weft direction as described in BS 3424-18 Method 21A (Although this test is for coated fabrics it is appropriate to evaluate the wicking effect liner cloth of this specification)
2. Method	<ul style="list-style-type: none"> Follow the procedure as detailed in BS 3424-18 Method 21A except: Use distilled water in place of the dye liqueur detailed in 3.2.6 Evaluate the wicking effect after 5 minutes on each specimen
3. Calculation and expression of results	<ul style="list-style-type: none"> Calculate the mean of the two highest wicking results in the Warp and Weft direction and record this as the wicking distance in millimetres (mm)



**Manufacturing Specification for
JACKET, COMBAT,
Personal Clothing System (PCS)
Various**

Defence Clothing (DC)

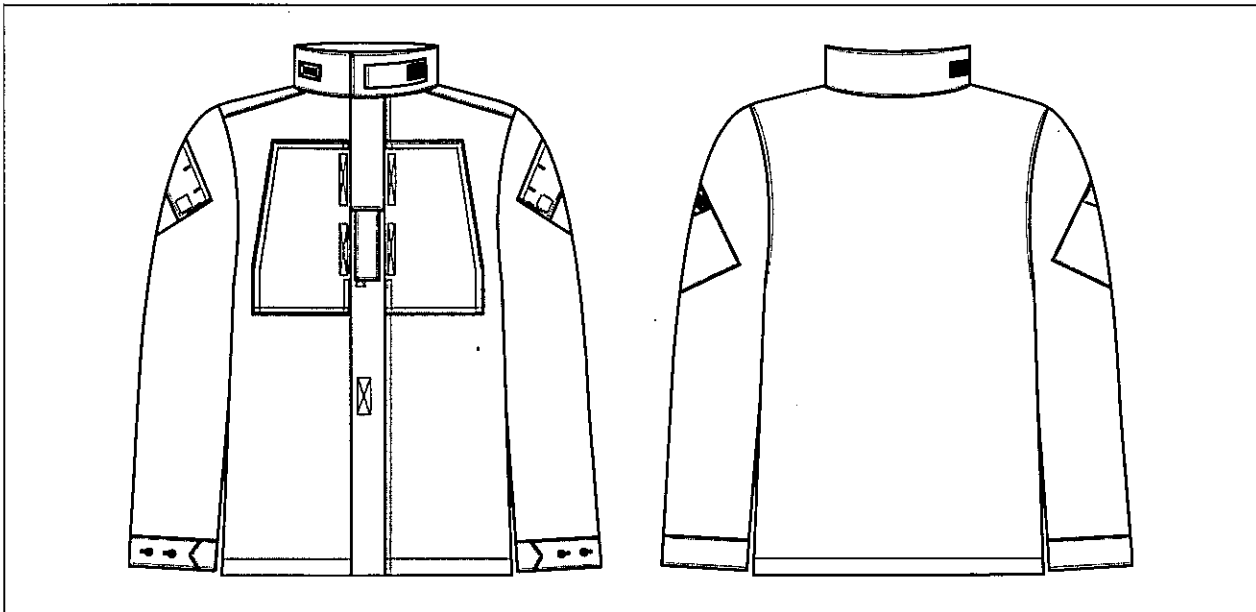
PROPERTY OF
MINISTRY OF DEFENCE



THE PRODUCT

Item Description	NATO Stock No(s)	Pattern No (s)
JACKET, COMBAT, Multi-Terrain Pattern. Insect repellent treated	8415-99-597-0428 to 0447	D02298A
JACKET, COMBAT, Multi-Terrain Pattern. Untreated	8415-99-597-0448	D02298A to guide
JACKET, COMBAT, Blue Camouflage. Insect repellent treated	8415-99-597-0910 to 0929	D02298A to guide
JACKET, COMBAT, Blue Camouflage. Untreated	8415-99-597-0930	D02298A to guide

Technical Support	Defence Clothing
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1. ISSUE RECORD

WHEN MAKING AMENDMENTS ON THIS SPECIFICATION, CONSIDER ANY EFFECT ON DC/MS/6603-2 AND DC/MS/6603-3 TO KEEP THE BASIS OF A TRI-SERVICE DESIGN

Issue No	Comments	Issue Date
7	Introduction of Blue Camouflage version NSNs 8415-99-597-0910 to 0930 Specification title amended Section 5 – Reformatted	21 February 2018
6	Deletion of all reference to Temperate range of Jacket 2 to NSN's 8415-99-255-6782 to 6801 Deletion of all reference to Warm Weather and Temperate Weather throughout specification Deletion of '2' from Jacket 2 throughout the specification Change statement under 1. Issue Record to read; When making amendments on this specification, consider any effect on DC/MS/6603-2 and DC/MS/6603-3 to keep the basis of a tri-service design Reference to UK/SC/5121 replaced with BS 3866 and BS 4162	30 August 2017
5	Updating of 'flag' stitching of touch and close fasteners on chest pockets and front placket Addition of Broad Arrow to label	15 November 2013
4	Widened chest pocket by 0.5cm Changed angle of pen/compass pocket Changed becket position Addition of suffix A to Pattern Number	17 April 2013

1. ISSUE RECORD continued

Issue No	Comments	Issue Date
3	<p>Removal from specification completely, Elbow patch forming two pockets</p> <p>Change of Title from Jacket to Jacket 2</p> <p>Change of NSN's and Pattern Number</p> <p>Page 10: Top front fastening touch and close increased to 4cm</p> <p>Page 12: Rank strap shortened to 16.5cm</p> <p>Page 13: Reduction of chest pocket width, positioning of pen pocket</p> <p>Page 14: Compass pocket slightly altered</p> <p>Page 15 & 16: Change of design of Bellows Patch Pocket to include fold over design</p> <p>Page 16: Bellows Patch Pocket, touch and close changed to "picture frame" construction</p> <p>Page 17: Blanking plate touch and close changed to "picture frame" construction</p> <p>Page 17: Change of position of Union Flag on Blanking Plate</p> <p>Page 17: Change to position of Bellows Patch Pocket</p> <p>Page 21 & 22: Fibre content clause added and care label updated</p> <p>Page 23: Change to care label instruction icon</p> <p>Page 25 & 26: Scope update to Nineteen sizes</p> <p>Page 27: Fabric descriptions updated</p>	27 February 2013
2	Change to position of Union Flag on Blanking Plate	27 October 2011
1	<p>New Specification derived from DC/MS/6603 Issue 04 to accommodate DC/MS/6603-2 (RN) and DC/MS/6603-3 (RAF) versions</p> <p>Introduction of insect repellent finish to warm weather base cloth and a separate NSN for an untreated version</p> <p>Change of shade name from Olive green to Light Olive</p>	31 August 2011

2. BILL OF MATERIALS

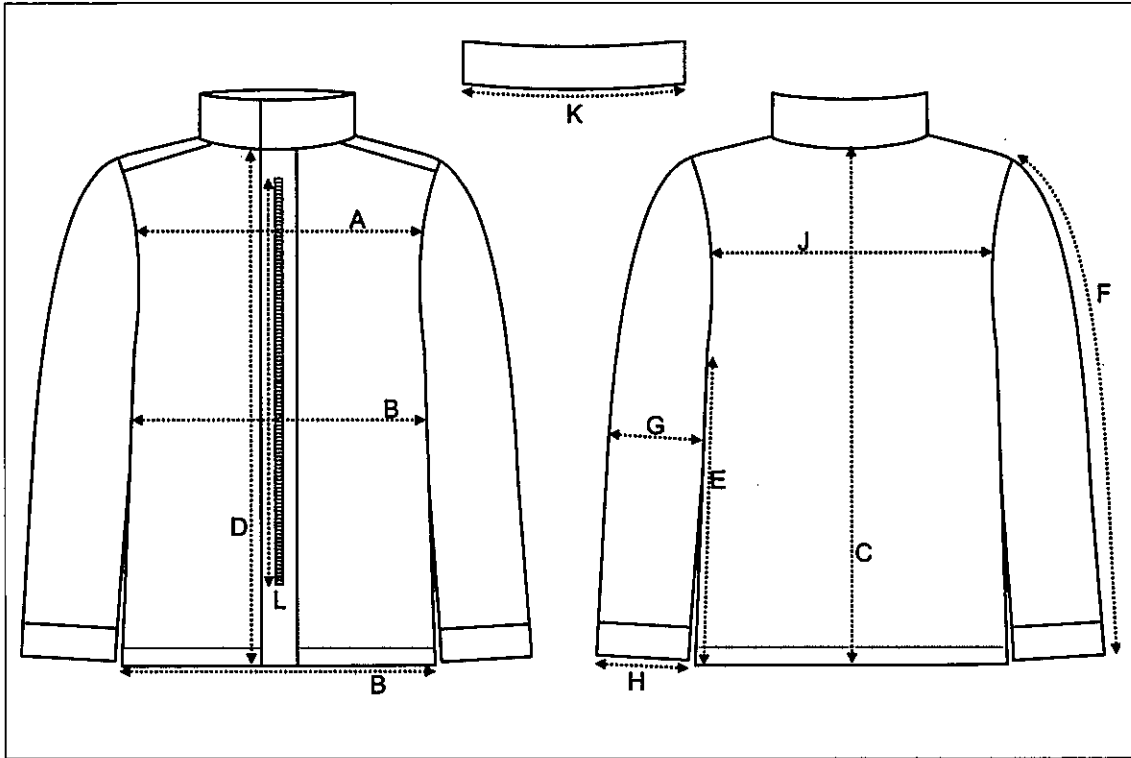
Refer to Technical Data Sheets at Section 7

3. PATTERNS.

- a. Master Patterns: DC holds a Master Pattern for this product. Potential contractors may view the pattern on site by arrangement with the DC Commercial Department.
- b. Standard Patterns: A Standard Pattern may be obtained from the DC Technical Information Office and may be used to provide the criteria for all materials, components and manufacturing features not fully defined in this specification.
- c. Electronic Patterns: Electronic patterns in 'Gerber®' format, to guide for manufacture may be obtained from the DC Technical Information Office.

4. GARMENT SIZING

SIZE CHART
JACKET, COMBAT, Various
INSECT REPELLENT TREATED
All measurements in centimetres



4. GARMENT SIZING continued

Size Height/ Chest	Measurements of Garment									
	Width		Length			Sleeve		Across back 20cm below neck seam	Collar length at neck seam	Slide fastener length
	Chest 14cm below collar seam at centre front	Waist and hem fastened	Back from collar seam to bottom edge	Front from collar seam to bottom edge	Side seam at front (off set seam)	From crown to cuff including cuff	Around elbow			
A	Bx2	C	D	E	F	Gx2	Hx2	J	K	L
160/88	48	106						42	51	
160/96	50	114	68	61	27	53	45	45	53	42
160/104	52	122					48	48	55	
170/88	48	106					42	42	51	
170/96	50	114	73	66	32	58	45	45	53	47
170/104	52	122					48	48	55	
170/112	54	130					51	51	57	
180/96	50	114					45	45	53	
180/104	52	122	78	71	37	63	48	48	55	51
180/112	54	130					51	51	57	
180/120	56	138					54	54	59	

4. GARMENT SIZING continued

	A	Bx2	C	D	E	F	Gx2	Hx2	J	K	L
190/96	50	114							45	53	
190/104	52	122	83	76	42	68	45	40	48	55	56
190/112	54	130							51	57	
190/120	56	138							54	59	
200/104	52	122							48	55	
200/112	54	130	88	81	47	73	45	40	51	57	61
200/120	56	138							54	59	
200/128	58	146							57	61	
Tolerances +/-	1	2	1	1	1	1	1	0.5	1	1	0.3


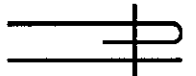
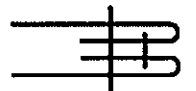


Outsize garments for insect repellent treated garments are made to the wearer's measurements supplied to the contractor: The Schedule is then used as a guide for the allowance over the chest measure of the wearer and measurements not shown on the measure form.

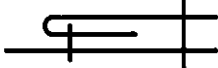
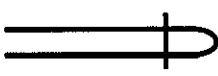
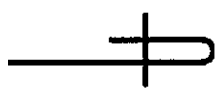
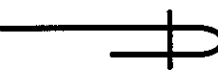
Untreated garments are to be made to the size table or to the outsize measurement form as appropriate.

5. CONSTRUCTION

SEAMS AND STITCHING to BS 3870
<ul style="list-style-type: none"> • Seam type 1.01.02 unless otherwise stated • All raw edges of main fabric are over-locked using stitch type 504, 505, 506 or 507 • All seams are to be sewn using stitch type 301 or 401 • All other stitching, stitch type 301 • 8-10 stitches per 2cm • Buttonholes to have 22 stitches per 2cm and to be bar tack or taper barred

The following seam types are referenced in this specification

	1.01.02
	1.04.01
	1.06.02
	5.31.01
	5.31.02

	5.31.05
	5.45.01
	6.02.01
	6.02.03

PART	DETAIL	BS 3870
5.1 DESIGN	<ul style="list-style-type: none"> • Front slide fastener and touch and close closure • Stand collar • Chest pocket with internal compass pocket and becket (left side as worn) • Chest pocket with internal pen pocket (right side as worn) • One piece pivot sleeve • Bellows pocket on sleeves at bicep • Blanking plate on bicep pockets • Union flag attached to corner of blanking plate (left side as worn) • Adjustable cuffs with buttons • Rank strap 	

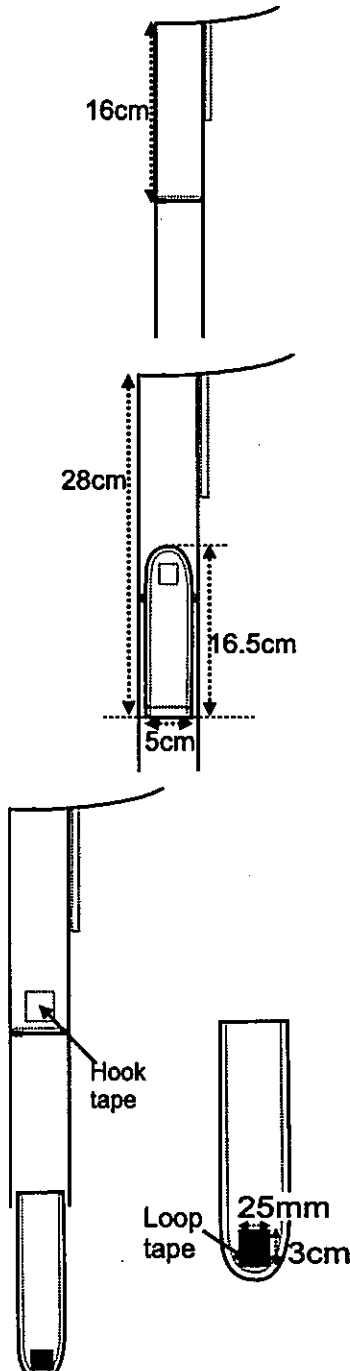
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.2 FOREPART</p>	<ul style="list-style-type: none"> • Shoulder seam set forward 3.5cm • Seam topstitched 0.6cm • Slide fastener sewn to front opening • Length of slide fastener (see size schedule) <p><u>Left forepart as worn</u></p> <ul style="list-style-type: none"> • Separate front panel and grown on facing • 7cm wide • Slide fastener sewn on inside of forepart • Back edge of slide fastener positioned at the facing edge • Sewn with two rows of stitching 0.6cm apart • The top stop to finish 7cm below the neck seam • Two fastener loop elements 25mm wide 8cm long • One fastener loop element 25mm wide 4cm long • Positioned 1cm from front edge • Top element positioned 7cm below the neck seam • Bottom element positioned 7cm above bottom of slide fastener • Remaining element positioned equidistantly between top and bottom elements • All touch and close to be 'flag' stitched 	

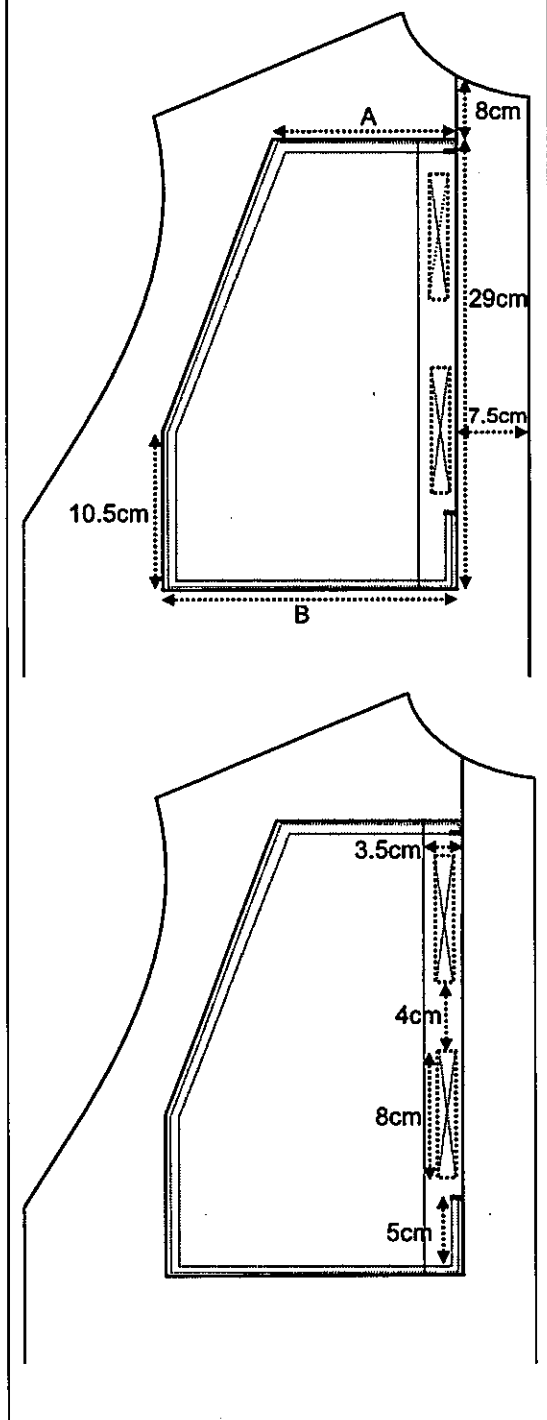
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.2 FOREPART continued</p> <p>Right side as worn</p> <p>Outside view</p> <p>7cm</p> <p>7cm</p> <p>Left side as worn</p> <p>Inside view</p> <p>7cm</p> <p>4cm</p> <p>8cm</p> <p>25mm</p> <p>7cm</p> <p>Loop tape</p>	<p><u>Right forepart as worn</u></p> <ul style="list-style-type: none"> • Grown on facing on each forepart • 7cm wide and edge stitched into place • Slide fastener sewn on outside of forepart • In register with the slide fastener on the left side • Sewn with two rows of stitching 0.6cm apart • The top stop to finish 7cm below the neck seam • Two fastener hook elements 25mm wide 8cm long • One fastener loop element 25mm wide 4cm long • Sewn in register with the loop elements • All touch and close to be 'flag' stitched 	<p>6.02.03</p> <p>6.02.01</p>

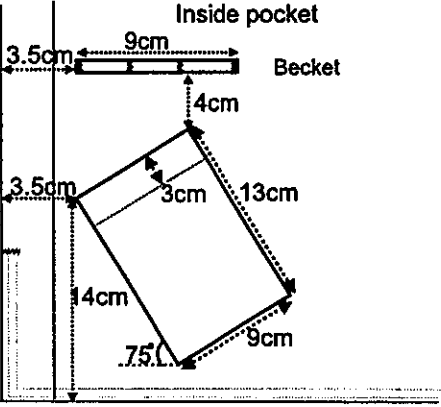
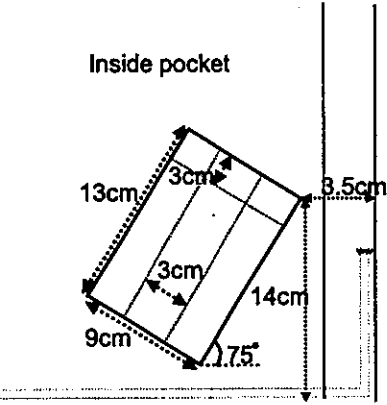
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.3 RANK STRAP</p>  <p>The drawing shows three views of the rank strap. The top view is a 16cm long pocket detail. The middle view is a 28cm long strap with a 5cm wide rounded end and a 16.5cm long fastener loop. The bottom view shows the fastener elements: a hook tape and a loop tape with a 25mm wide and 3cm long element.</p>	<p><u>Left hand side as worn</u></p> <ul style="list-style-type: none"> • Pocket formed at the top of the front panel • Length 16cm • Bottom of pocket left open • Securely tacked at the front edge <ul style="list-style-type: none"> • Rank strap cut two ply in main fabric with a rounded end • 5cm wide 16.5cm long • Topstitched 0.6cm • Sewn on the outside of the left front • Positioned 28cm from neck seam <ul style="list-style-type: none"> • Fastener loop element 25mm wide 3cm long • Sewn to underside of strap • Positioned centrally 1cm from free end of strap • Fastener hook element 25mm wide 3cm long • Sewn to inside of pocket in register with the loop element on the strap 	<p>1.06.02 5.31.05</p>

5. CONSTRUCTION continued

PART	DETAIL	BS 3870																					
<p>5.4 CHEST POCKETS</p> 	<ul style="list-style-type: none"> Shaped as diagram Positioned 8cm down from collar seam and 7.5cm from front edge Pocket depth 29cm at front edge Pocket depth 10.5cm at armhole edge <p>Pocket width see table below</p> <table border="1" data-bbox="611 716 1066 1097"> <thead> <tr> <th>Chest size</th> <th>Top of pocket A</th> <th>Base of pocket B</th> </tr> </thead> <tbody> <tr> <td>88</td> <td>12.5</td> <td>17</td> </tr> <tr> <td>96</td> <td>12.5</td> <td>17</td> </tr> <tr> <td>104</td> <td>13.5</td> <td>18</td> </tr> <tr> <td>112</td> <td>14.5</td> <td>19</td> </tr> <tr> <td>120</td> <td>15.5</td> <td>20</td> </tr> <tr> <td>128</td> <td>16.5</td> <td>21</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Grown on facing 3.5cm wide Pocket sewn to foreparts with two rows of stitching Pocket opening to be partially closed by 5cm at bottom Securely tacked at opening Two touch and close fastener hook elements 25mm wide 8cm long Sewn centrally on the pocket facing Positioned centrally in the pocket opening and 4cm apart Two touch and close fastener loop elements 25mm wide 8cm long Sewn to jacket foreparts in register with the hook elements All touch and close to be 'flag' stitched 	Chest size	Top of pocket A	Base of pocket B	88	12.5	17	96	12.5	17	104	13.5	18	112	14.5	19	120	15.5	20	128	16.5	21	<p>6.02.03 5.31.01</p>
Chest size	Top of pocket A	Base of pocket B																					
88	12.5	17																					
96	12.5	17																					
104	13.5	18																					
112	14.5	19																					
120	15.5	20																					
128	16.5	21																					

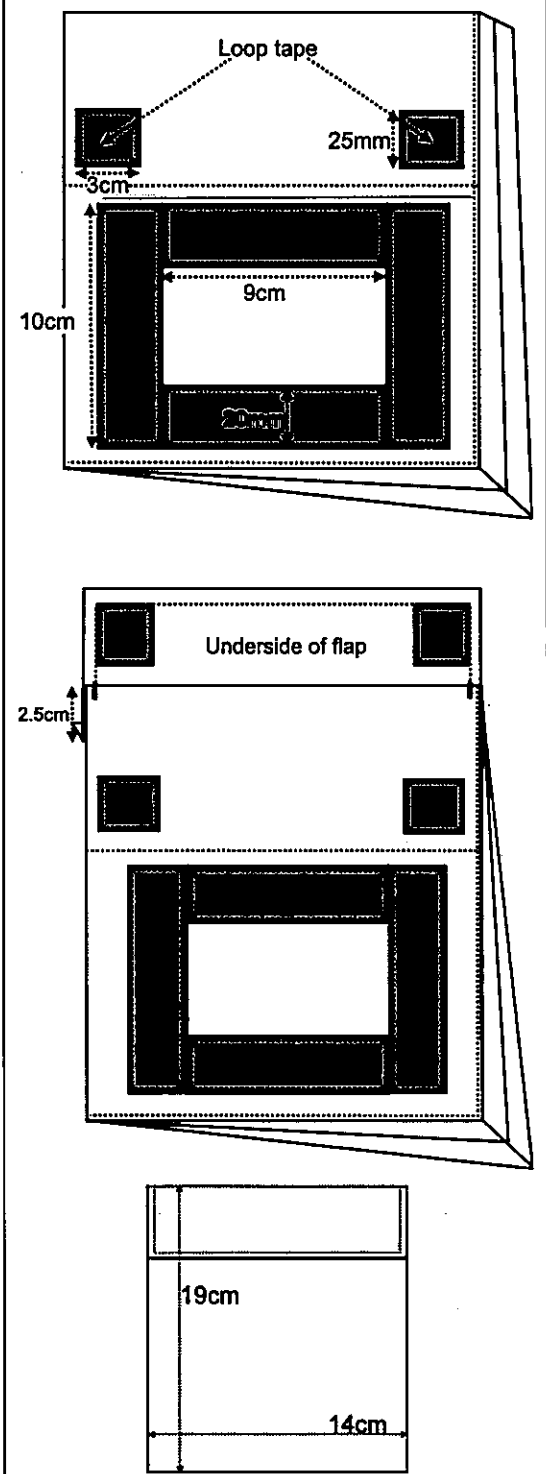
5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.5 COMPASS POCKET</p>  <p>Left side as worn</p>	<p><u>Left side as worn</u></p> <ul style="list-style-type: none"> • A compass pocket sewn to the inside of the chest pocket • 9cm wide 13cm deep • 3cm inturn at top edge • Front top corner positioned 14cm up from bottom edge of chest pocket • And 3.5cm from the front edge at an angle of $75^\circ \pm 5^\circ$ • A becket effective length 9cm cut in cord 6mm wide • Divided into three equal 3cm loops and securely tacked (see diagram) • Positioned 3.5cm from front edge and 4cm up from pocket 	<p>5.31.01</p> <p>6.02.03</p>
<p>5.6 PEN POCKET</p>  <p>Right side as worn</p>	<p><u>Right side as worn</u></p> <ul style="list-style-type: none"> • A pen pocket sewn to the inside of the chest pocket • 9cm wide 13cm deep • 3cm inturn at top edge • Divided into three, with 2 rows of stitching 3cm apart • Front top corner positioned 14cm up from bottom edge of chest pocket • And 3.5cm from the front edge at an angle of $75^\circ \pm 5^\circ$ 	<p>5.31.01</p> <p>6.02.03</p>

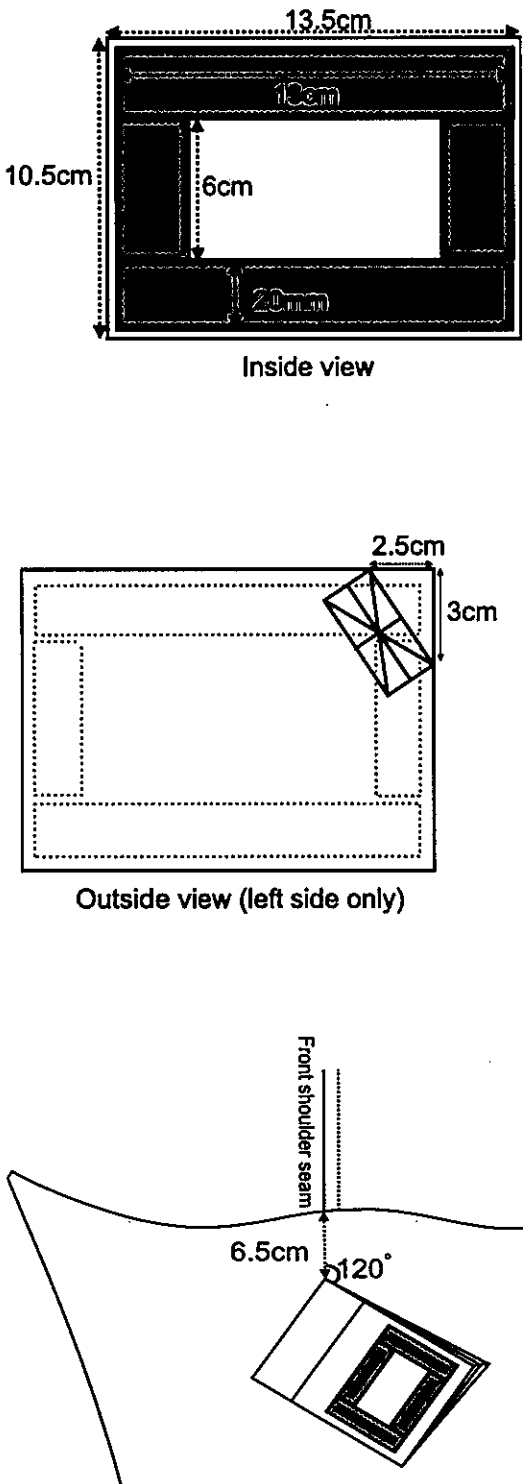
5. CONSTRUCTION continued

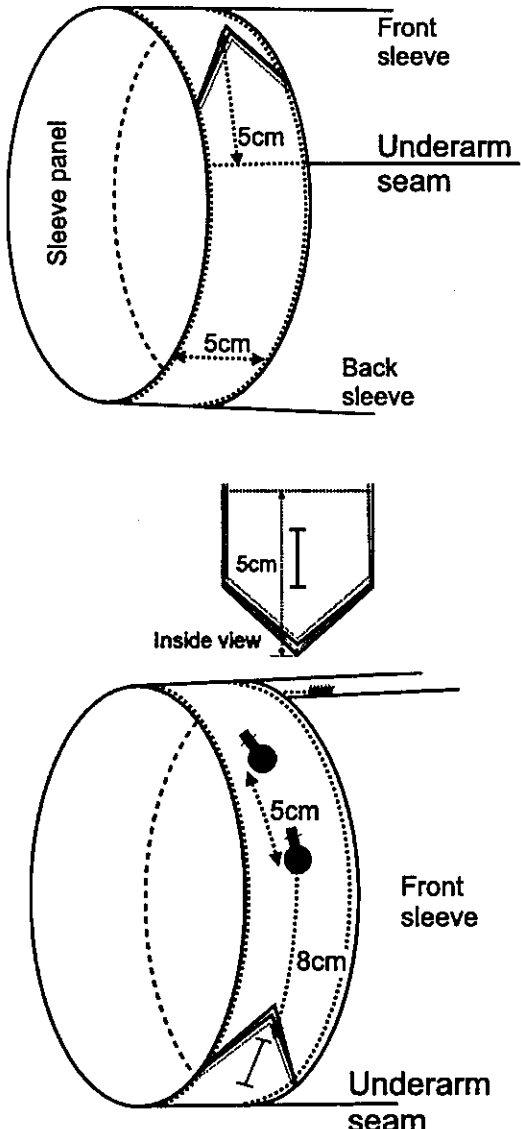
PART	DETAIL	BS 3870
<p>5.7 SLEEVE</p>	<p><u>Bellows patch pocket and flap</u></p> <p><u>Flap</u></p> <ul style="list-style-type: none"> • Pocket flap cut straight to have fusible interlining • Cut two ply main fabric • Width 14cm depth 7cm • Topstitched 0.6cm • Two fastener hook elements 25mm wide 3cm long • Positioned 0.6cm from bottom and side edges of the flap • Stitched through both plies • A becket effective length 9cm • Divided into three equal 3cm loops • Positioned centrally on underside of flap 5.5cm from the bottom edge • Securely tacked at each end • Securely tacked 2.5cm in from each end <p><u>Bellows patch pocket</u></p> <ul style="list-style-type: none"> • 14cm wide, 21cm deep • Bellows 3cm deep at bottom at back edge • 3cm at back edge tapering to 2cm at the top • Front edge without bellow • Side and bottom edges of pocket bellows edge stitched • Bellows edge stitched centrally on the inside of the pocket • Pocket facing 8.5cm deep and sewn 	<p>1.06.02</p> <p>5.45.01</p> <p>6.02.03</p>

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.7 SLEEVE continued</p> 	<p><u>Bellows patch pocket continued</u></p> <ul style="list-style-type: none"> • Two fastener loop elements 25mm wide 3cm long • Positioned and sewn through the facing in register with the flap • Two fastener loop elements 20mm wide and 10cm long to be sewn vertically to the pocket • Two fastener loop elements 20mm wide and 9cm long sewn horizontally to the pocket • Positioned as on diagram, so the “picture frame” of touch and close is central on the pocket <ul style="list-style-type: none"> • Top edge of patch to be positioned to overlap the top of the flap by 2.5cm • Securely tacked at the top corners of the patch • Finished pocket to measure 14cm wide by 19cm long 	

5. CONSTRUCTION continued



PART	DETAIL	BS 3870
<p>5.7 SLEEVE continued</p>  <p>Inside view</p> <p>Outside view (left side only)</p> <p>Front shoulder seam</p> <p>6.5cm</p> <p>120°</p>	<p>“Blanking plate” (cover to hide touch and close on bicep pocket when not in use)</p> <ul style="list-style-type: none"> • Blanking plate cut single ply • Turn back edge on all sides, finished width 13.5cm and depth 10.5cm • Two fastener hook elements 20mm wide and 6cm long to be sewn vertically to the pocket • Two fastener hook elements 20mm wide and 13cm long sewn horizontally to the pocket • Positioned as on diagram, so the “picture frame” of touch and close is central on the blanking plate • Right side blanking plate without Union Flag • Left side blanking plate with Union Flag • Union flag sewn to top right hand corner of blanking plate • Positioned as on diagram, 2.5cm along the horizontal and 3cm down on the vertical • Corners of flag to reach edge of blanking plate as shown on diagram • No more than 3mm of green ribbon should show-do not stitch through the Union Flag • Pocket and top edge of flap stitched to top sleeve panel • Top corner positioned 6.5cm from the front shoulder seam • And at an angle of $120^{\circ} \pm 5^{\circ}$ to the perpendicular 	<p>6.02.03</p> <p>5.31.02</p>

PART	DETAIL	BS 3870
<p>5.8 CUFF</p>  <p>The diagram illustrates the construction of a cuff. It shows a sleeve panel with a front sleeve and back sleeve section. A 5cm wide cuff band is attached to the bottom edge of the sleeve panel. The cuff band has a pointed extension 5cm long, which is double-layered and positioned on the underarm seam. The extension is 2.2cm wide and has a buttonhole 2.2cm long, with the eye 1.6cm from the point. Two buttons are attached centrally to the cuff band, spaced 5cm apart. The first button is positioned 8cm from the eye of the covered buttonhole. An 'Inside view' shows the 5cm wide extension with a buttonhole.</p>	<ul style="list-style-type: none"> • Cuff band cut single ply in main fabric • 5cm wide with a pointed extension 5cm long • Bottom edge of the cuff is laid on top of the bottom end of the sleeve panel and attached • Top edge of cuff sewn to the sleeve panel • Extension positioned on the underarm seam • Point facing towards the front sleeve • Extension is to be double layered • Buttonhole 2.2cm long worked in the under layer of the extension • The eye 1.6cm from the point • Two buttons attached centrally to the cuff spaced 5cm apart on front of the cuff band • First button positioned 8cm from the eye of the covered buttonhole 	<p>1.06.02</p> <p>1.04.01</p>

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.9 COLLAR</p>	<ul style="list-style-type: none"> Stand collar cut two ply main fabric Depth at front edge 6cm at centre back 7cm Front and top edges to be edge stitched <p><u>Left side as worn</u></p> <ul style="list-style-type: none"> Throat tab cut two plies of main fabric Edge stitched 3cm wide 9cm long Sewn on collar through both plies Positioned centrally 1cm from front edge of collar Fastener loop element 25mm wide 2.5cm long Sewn on top and underside of tab Positioned 0.5cm from free end of tab Fastener hook element 25mm wide 2.5cm long Positioned on the collar centrally and in register with loop element on the underside of the tab Fastened when the tab is not in use <p><u>Right side as worn</u></p> <ul style="list-style-type: none"> Fastener hook element 25mm wide 5cm long Positioned on the collar centrally and the back edge in register with loop element on the topside of the tab 	<p>1.06.02</p> <p>1.06.02</p> <p>5.31.05</p>

5. CONSTRUCTION continued

PART	DETAIL	BS 3870
<p>5.10 HANGER</p> 	<ul style="list-style-type: none"> • Sewn at centre back neck centrally in the back seam • Effective length 6cm 	
<p>5.11 UPTURN</p> 	<ul style="list-style-type: none"> • 3cm upturn 	6.02.03

6. LABELLING REQUIREMENTS

Labels	Colour	Position
Identification and garment care labels	White	Attached to right front facing 20cm up from finished hem
MTP Camouflage registration label	White	Attached underneath the ID/Care label
Swing Ticket for insect repellent treated garments	Card	Removable but attached to finished garment

Care, size and camouflage registration labels for MTP only may be combined to produce one label.

The main material fibre content is to be added to the identification label

Identification Label

Information and format is to be as follows

For Stock Items

Item name, broad arrow, NATO stock number, size (number is to be 0.6cm high), contract number, indication of position for wearer's name/number and fibre content

Outsize

Item name, broad arrow, NATO stock number, name, number and measurements of wearer, contract number and fibre content

Manufacturer Information

Under no circumstances should the contractor's name, logo or trademark appear on any form of labelling or garment bags

6. LABELLING REQUIREMENTS continued

SPECIMEN LABELS - Identification Labels

Stock Items

JACKET, COMBAT, MTP
Insect repellent treated*[↑]
NSN: 8415-99-597-0434
Size: 170/112
NATO Size: 6070/0515
Contract No:
Name:
No:
(Fibre content to be added here)

*Amend as appropriate

Outsize

JACKET COMBAT, MTP
Insect repellent treated*[↑]
NSN: 8415-99-597-0447
Name:
No:
Height:
Chest:
Contract No:
(Fibre content to be added here)

Untreated

JACKET COMBAT,
MTP*[↑]
NSN: 8415-99-597-0448
Name:
No:
Height:
Chest:
Contract No:
(Fibre content to be added here)

Care Label

	Wash as synthetic Gentle Process
	DO NOT BLEACH
	Tumble dry at lower temperature
	Warm Iron
	DO NOT DRY CLEAN
Do not iron touch and close fasteners	
THIS GARMENT HAS AN INSECTICIDE TREATMENT THIS GARMENT HAS BEEN TREATED WITH PERMETHRIN	

* delete for untreated garments

MTP Camouflage Registration Label

This should be a separate label or part of a composite care label

Camouflage Pattern
Registered Design No.
RCD001627035-0001

6. LABELLING REQUIREMENTS continued

Swing ticket – for insect repellent treated garments

IMPORTANT INFORMATION

The cloth in this garment has been given a treatment, based on Permethrin, which repels insects.

The treatment is durable to washing and will last 50 washes in a washing machine.

If you normally wash this garment once a week in a washing machine the treatment will last for 1 year.

If you regularly field wash the garment the treatment will last approximately 6 months.

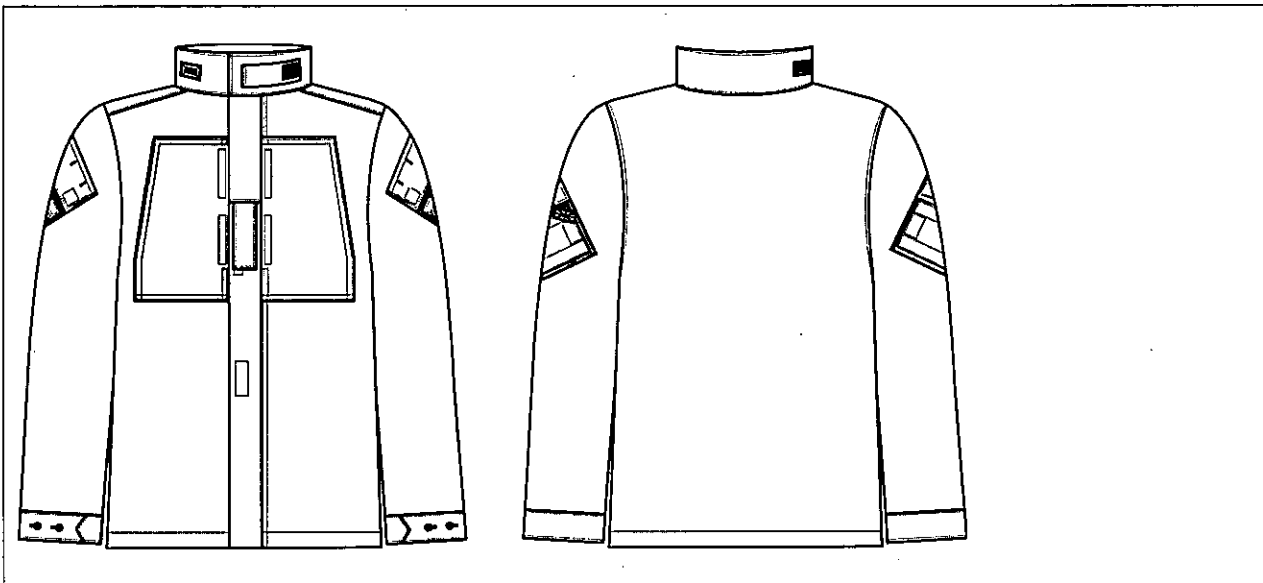
The treatment is effective on the clothing but for full protection insect repellent must be applied to bare skin.

6. LABELLING REQUIREMENTS continued

NATO Stock Numbers and Size

MTP Insect repellent treated	Blue Camouflage		
NATO Stock No.		Size	NATO size
8415-99-597-0428	8415-99-597-0910	160/88	5060/8590
8415-99-597-0429	8415-99-597-0911	160/96	5060/9095
8415-99-597-0430	8415-99-597-0912	160/104	5060/9505
8415-99-597-0431	8415-99-597-0913	170/88	6070/8590
8415-99-597-0432	8415-99-597-0914	170/96	6070/9095
8415-99-597-0433	8415-99-597-0915	170/104	6070/9505
8415-99-597-0434	8415-99-597-0916	170/112	6070/0515
8415-99-597-0435	8415-99-597-0917	180/96	7080/9095
8415-99-597-0436	8415-99-597-0918	180/104	7080/9505
8415-99-597-0437	8415-99-597-0919	180/112	7080/0515
8415-99-597-0438	8415-99-597-0920	180/120	7080/1520
8415-99-597-0439	8415-99-597-0921	190/96	8090/9095
8415-99-597-0440	8415-99-597-0922	190/104	8090/9505
8415-99-597-0441	8415-99-597-0923	190/112	8090/0515
8415-99-597-0442	8415-99-597-0924	190/120	8090/1520
8415-99-597-0443	8415-99-597-0925	200/104	9000/9505
8415-99-597-0444	8415-99-597-0926	200/112	9000/0515
8415-99-597-0445	8415-99-597-0927	200/120	9000/1520
8415-99-597-0446	8415-99-597-0928	200/128	9000/2030
8415-99-597-0447	8415-99-597-0929	Outsize	
8415-99-597-0448	8415-99-597-0930	Untreated garments	

7. TECHNICAL DATA SHEETS



Jacket, Combat, Multi-Terrain Pattern (MTP)

Specification No.	DC/MS/6603-1
Item Description	JACKET, COMBAT, MULTI-TERRAIN PATTERN
Pattern No.	D02298A (TREATED) D02298A TG (UNTREATED)
NATO Stock No.	8415-99-597-0428 to 0447 (TREATED) 8415-99-597-0448 (UNTREATED)

Scope:
A combat jacket in multi-terrain patterned fabric, as part of the Personal Clothing System (PCS), Combat Uniform (CU). It is insect repellent treated as standard issue. The size schedule provides for nineteen sizes and Outsize for treated garments **Untreated garments** have to be ordered separately on one NSN and are available in stock sizes or outsize as appropriate

Jacket, Combat, Blue Camouflage

Specification No.	DC/MS/6603-1
Item Description	JACKET, COMBAT, BLUE CAMOUFLAGE
Pattern No.	D02298A TG
NATO Stock No.	8415-99-597-0910 to 0929 (TREATED) 8415-99-597-0930 (UNTREATED)

Scope:
A combat jacket in Blue Camouflage fabric, as part of the Personal Clothing System (PCS), Combat Uniform (CU). It is insect repellent treated as standard issue. The size schedule provides for nineteen sizes and Outsize for treated garments **Untreated garments** have to be ordered separately on one NSN and are available in stock sizes or outsize as appropriate

7. TECHNICAL DATA SHEETS continued

Related Specifications	Title
BS EN ISO 105 Part C06	Textiles. Tests for colour fastness Colour fastness to domestic and commercial laundry
BS EN ISO 3758	Textiles. Care labelling code, using symbols
BS EN 12590	Textiles. Industrial sewing threads made wholly or partly from synthetic fibres
BS 3870 Part 1 & 2	Stitches and seams
BS 5742	Textile labels requiring to be washed and/or dry cleaned
BS 3866	Specification for holes and shanks for buttons
BS 4162	Method of test for buttons
DEF STAN 83-86	Specification for touch and close fasteners
UK/SC/4559	Slide fasteners. Metallic and non-metallic chains
UK/SC/4782	Cord, braided nylon
UK/SC/5843	Cloth, 2x1 twill, polyester/cotton lightweight, camouflage pattern
UK/SC/5929	Badge, organisation arm union flag
UK/SC/6069	Cloth, twill, cotton & polyester camouflage pattern with ripstop
UK/SC/6600	Camouflage patterns

8. BILL OF MATERIALS

Fabric	
Reference	Description
INSECT REPELLENT TREATED	
MAIN MATERIAL FOR MTP INSECT REPELLENT TREATED GARMENTS Pattern No. MAT0037A to UK/SC/6069 Printed to UK/SC/6600, Pattern No MAT0006B	Cloth, twill, cotton & polyester, with ripstop Multi-Terrain Pattern, Insect Repellent Treated
MAIN MATERIAL FOR BLUE CAMOUFLAGE INSECT REPELLENT TREATED GARMENTS Pattern No. MAT0037F to UK/SC/6069 for colour and MAT0013A for print	Cloth, twill, cotton & polyester, with ripstop Blue Camouflage, Insect Repellent Treated
UNTREATED	
MAIN MATERIAL FOR MTP UNTREATED GARMENTS Pattern No. MAT0013C to UK/SC/6069 Printed to UK/SC/6600 Pattern No MAT0006B	Cloth, twill, cotton & polyester, with ripstop Multi-Terrain Pattern
MAIN MATERIAL FOR BLUE CAMOUFLAGE UNTREATED GARMENTS Pattern No. MAT0013F to UK/SC/6069 for colour and MAT0013A for print	Cloth, twill, cotton & polyester, with ripstop Blue Camouflage

Components	Size/Colour	Reference/Description	Notes/NATO Stock No.
<i>For MTP garment-Light Olive, components are to closely match Pantone shade 18-0820TC</i>			
<i>For Blue Camouflage garment-Blue, components are to closely match Pantone shade 19-4110TC</i>			
Slide fastener	Length in accordance with the size schedule	FRONT OPENING Medium weight polyester, polyamide, spiral chain, closed end, auto-locking slider, top stop, 11mm stringer	UK/SC/4559
Cord	6mm	HANGER, BUTTON FASTENINGS, BECKETTS Cord, braided, nylon	UK/SC/4782 Pattern No.9483E
Fastener tape	20mm 25mm	Tape fastener, hook and loop Selvedges are to be finished/sealed to prevent fraying BLANKING PLATE CHEST POCKET, COLLAR, FRONT FASTENING, RANK STRAP, BICEP POCKETS	DEF STAN 83-86

8. BILL OF MATERIALS continued

Components	Size/Colour	Reference/Description	Notes/NATO Stock No.
Union Flag		BLANKING PLATE Badge, Organisation Arm Union Flag	8455-99-978-8929 Pattern number 24805 to UK/SC/5929
Button	19mm	CUFFS Button, Slotted matt finish	BS 3866 and BS 4162 Pattern No. 28988 to guide
Identification/ care instruction label	White	Refer to Section 6	BS 5742 Paragraph 3 and BS EN ISO 3758 Max colour change of print: after 5 x wash cycles to BS EN ISO 105 CO6: C2S to be 3
Swing Ticket	Card	Refer to section 6	For treated garments only
Thread	Metric Ticket No	Polyester/cotton corespun	BS EN 12590
	12	BUTTONHOLES	Gimp
	180	OVEREDGE STITCHING	
	75	ALL OTHER SEWING	