



Ministry  
of Defence

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Ministry of Defence  
Abbey Wood  
Bristol BS34 8JH



Email: DES SEC-PolSec LE-JSC-WPNS@mod.gov.uk

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[REDACTED]  
[REDACTED]  
Our Reference:  
FOI2021/15421  
Date: 14 January 2022

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Dear [REDACTED],

Thank you for your email of 14 December 2021 to the Ministry of Defence (MOD).

On 3 December 2021 you requested the following:

*"I am writing to enquire as to obtaining a copy of information on UK/SC/3698 for PARKA, MAN'S (COLD WEATHER)".*

You subsequently clarified your request, as follows:

*"I believe the specification would probably be what I'm after if that includes the direction for laundering instructions and what detachable liner is to be used with the Parka.*

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

A search for the information has now been completed within the Ministry of Defence, and I can confirm that some information in scope of your request is held. However, some of the information in Annexes A and C falls entirely within the scope of the absolute exemption provided for at section 40 (Personal Data) of the FOIA and has been redacted.

Section 40(2) has been applied to some of the information in order to protect personal information as governed by the Data Protection Act 1998. Section 40 is an absolute exemption and there is therefore no requirement to consider the public interest in making a decision to withhold the information.

The information you have requested can be found enclosed in the attached three Annexes. Annex A describes the laundering and rendering of water-repellent garments. Annexes B and C provide the specification for this item of clothing. Annex C also references the use of a thermal liner.

If you have any queries regarding the content of this letter, please contact this office in the first instance.

Defence Equipment & Support

If you wish to complain about the handling of your request, or the content of this response, you can request an independent internal review by contacting the Information Rights Compliance team, Ground Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.gov.uk). Please note that any request for an internal review should be made within 40 working days of the date of this response.

If you remain dissatisfied following an internal review, you may raise your complaint directly to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not normally investigate your case until the MOD internal review process has been completed. The Information Commissioner can be contacted at: Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website at <https://ico.org.uk/>.

Yours sincerely,

[Redacted]

[Redacted]

DES SEC Pol Sec 2 Asst Hd

Defence Equipment & Support

**UK/SC/3698 Issue 5**

Specification for  
**METHODS FOR LAUNDERING, RENDERING WATER-  
REPELLENT,  
AND TESTING WATER-REPELLENCY OF COMBAT  
GARMENTS**



Defence Logistics Organisation

**Defence Clothing**

Integrated Project Team

PROPERTY OF :-  
DEFENCE CLOTHING  
INTEGRATED PROJECT TEAM  
DLO Caversfield  
Skimmingdish Lane  
Bicester  
Oxon  
OX27 8TS

**NN/618/05**  
**NV/404/02**

**Date of Approval: 15 June 1981**  
**Previous Issue: 29 April 1976**

**NATO Stock Number**

**Pattern Number**

None

None

**IPR STATEMENT**

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This Specification has 6 Pages

**SPECIFICATION UK/SC/3698 – ISSUE TABLE**

<b>Issue Number</b>	<b>Comments</b>	<b>Date Published</b>
5	Issue D reformatted without technical change and re-issued as Issue 5. (April 2002)	15 June 1981

1. SCOPE

1.1 This specification describes the methods to be used for the laundering, rendering water-repellent, and testing the water-repellency of combat clothing (and other garments) made from the following cloths:

1.1.1 CLOTH, SATIN DRILL, COTTON, Olive drab, FS, SF, WR, Pattern No.8014A to DEF STAN 83-55

1.1.2 CLOTH, SATIN DRILL, COTTON, Orange, FS, SF, WR, Pattern No.8014B to DEF STAN 83-55

1.1.3 CLOTH, SATIN DRILL, COTTON, DP, FS, SF, WR, Pattern No.8014C to DEF STAN 83-55

1.1.4 CLOTH, SATIN DRILL, COTTON AND MODAL, DP, WR, FS, Pattern No.8485A to UK/SC/4411

2. RELATED SPECIFICATIONS AND DOCUMENTS

2.1 Reference is made in this specification to:

BS 3702	Method of test for the resistance of a fabric to surface wetting (spray test)
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2.2 Reference in this specification to a British Standard or any other specification or document means, in any tender or contract, the edition current at the date of such tender or contract unless otherwise stated.

3. LAUNDERING AND RENDERING WATER-REPELLENT

3.1 Water of zero hardness is to be used.

3.2 Maximum degree of loading, 56kg/m<sup>3</sup>.

3.3 Dips are quoted for a machine of cage diameter 86cm.

3.4

Wash 1

Load, Start

Add cold water to standing dip - cm	25
Soap/CMC, predissolved	sufficient to lather

either Sodium metasilicate, predissolved, one half the soap quantity

or Sodium carbonate, predissolved, one quarter the soap quantity

<u>or</u>	Sodium sesquicarbonate, predissolved, one quarter the soap quantity	
	Then run 7 minutes, heating with agitation as quickly as possible to -°C	32
	Drain - minute	1
3.5	<u>Wash 2</u>	
	Add water not above 49°C to running dip - cm	15
	Washing chemicals as for Wash 1	
	Then run 7 minutes, heating with agitation as quickly as possible to -°C	49
	Drain - minute	1
3.6	<u>Wash 3</u>	
	Add water not above 66°C to running dip - cm	10
	Washing chemicals as for Wash 1	
	Heat with agitation to 66°C, then run 14 minutes, maintaining the temperature at -°C	66
	Drain - minute	1
3.7	<u>Rinse 1</u>	
	Add cold water to running dip - cm	25
	Then run - minutes	3
	Drain - minute	1
3.8	<u>Rinse 2</u>	

Add cold water to running dip - cm	25
Then run - minutes	2
Drain - minute	1

3.9

Rinse 3

Add cold water to running dip - cm	25
Then run - minute	1
Drain - minute	1

3.10

Rinse 4

Add cold water to running dip - cm	25
Then run - minute	1
Hydroextract and tumble dry. Maximum temperature in air outlet -°C	70

3.11 After laundering, the articles are to be rendered water-repellent using a suitable reproofing agent. Mystolene MK 9 has been found to give satisfactory results, but there are other proofing agents which are equally suitable. The reproofing agent is to be applied strictly in accordance with the maker's quantities and instructions to ensure maximum efficiency.

4. TESTING

After being rendered water-repellent, the article is to have a spray rating not lower than 4 (i.e. no wetting of the sprayed surface) when subjected to the test in British Standard 3702. "Method of test for the resistance of a fabric to surface wetting spray test".

Copies of Specifications and Standards may be obtained from the following departments. It is advisable to check the current terms of issue and/or changes for publications at the time of ordering.

**BRITISH STANDARDS**

Customer Services  
British Standards Institution  
389 Chiswick High Road  
London  
W4 4AL

Tel: [REDACTED]  
Fax: [REDACTED]  
e-mail: [REDACTED]  
e-mail: [REDACTED]  
[www.bsi-global.com](http://www.bsi-global.com)



**DEFENCE STANDARDS & DEF**

DStan Helpdesk  
UK Defence Standardisation  
Room 1138  
Kentigern House  
65 Brown Street  
Glasgow  
G2 8EX

Tel: [REDACTED]  
Fax: [REDACTED]

[www.dstan.mod.uk](http://www.dstan.mod.uk)

**TS & SPIS**

AQUILA  
Golf Road  
Bromley  
Kent  
BR1 2JB

Tel: [REDACTED]  
Fax: [REDACTED]

**UK/SC SPECIFICATIONS, PERFORMANCE SPECIFICATIONS (PSs)  
PURCHASE DESCRIPTIONS (PDs) AND DRAWINGS PUBLISHED BY THE  
DC (STANDARD PATTERN & PAPER PATTERNS if applicable)**

Technical Information Office  
Defence Clothing  
Integrated Project Team  
DLO Caversfield  
Room 18, Bldg 23  
Skimmingdish Lane  
Bicester, Oxon. OX27 8TS

Tel: [REDACTED]  
Fax: [REDACTED]  
e-mail: [REDACTED]



**Manufacturing Specification for  
PARKA, CAMOUFLAGE,  
White**

**Defence Clothing (DC)**

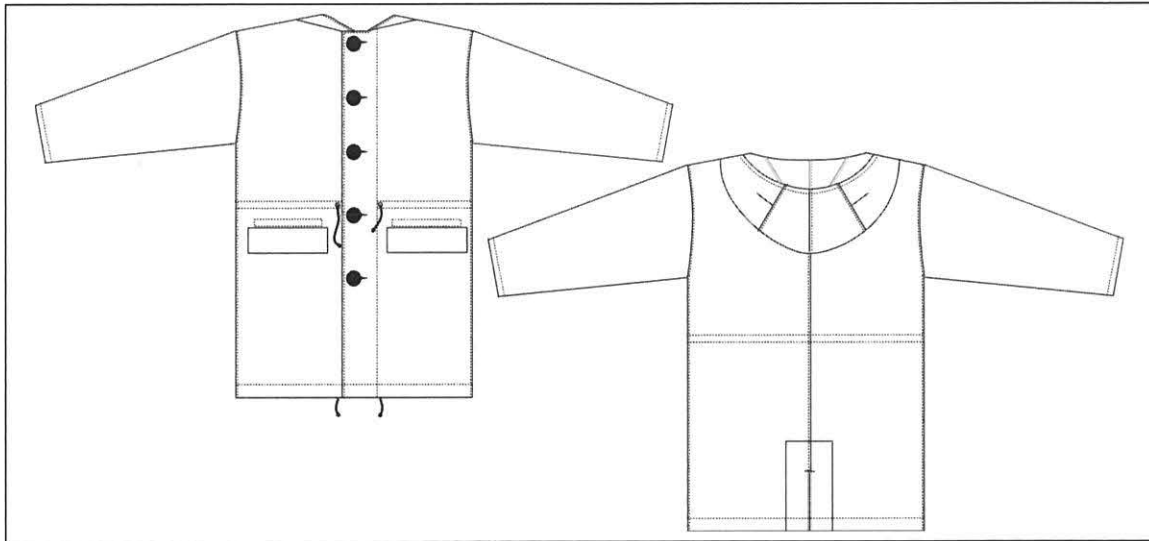
PROPERTY OF  
MINISTRY OF DEFENCE

Defence Equipment & Support



Item Description	NATO Stock No(s)	Pattern No
Parka, Camouflage, White	8415-99-136-2680, 2682 & 2684	20492

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

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1. ISSUE RECORD

Issue No.	Comments	Issue Date
6	Reference to DC manual removed Addition of broad arrow to care label Addition of TL Numbers	19 April 2021
5	All reference to Outsize NSN 8415-99-136-2685 removed as obsolete Fibre content clause added Care label up dated Fabric pattern number corrected	17 December 2012
4	Update of front cover and font Removal of reference to IPT Removal of pattern piece index Special Measure replaced by Outsize Section 7 Defence Standard replaced by UK/SC/6577	10 June 2009
3	Special measure NATO Stock Number added Revised Care Label Standard & Symbols	16 January 2007
2	Technical data Sheets incorporated at Section 7	12 October 2005
1	New specification derived from UK/SC/3912 Issue No. 6	17 May 04

2. BILL OF MATERIALS

Refer to Technical Data Sheets at Section 7.

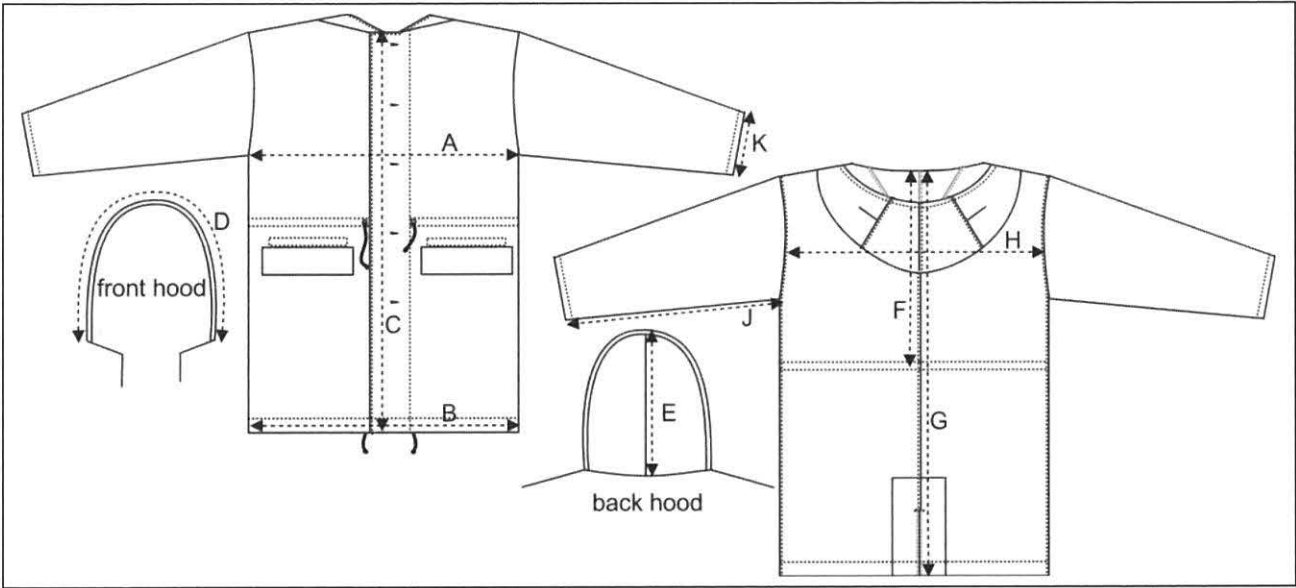
3. PATTERNS

- 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. Paper Patterns: Paper Patterns to provide a guide to manufacture may be obtained from the DC Technical Information Office.

4. GARMENT SIZING

SIZE CHART  
PARKA, CAMOUFLAGE, WHITE

All measurements in centimetres: Garment fastened and laid flat


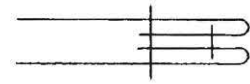
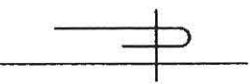



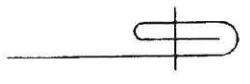
Size	Measurements of Garment									
	Around garment closed		Front length from hood seam	Hood		Length from back hood seam		X back 16cm down from back neck	Sleeve	
	Chest	Bottom		Along front edge	From front edge over crown to neck seam	To bottom edge of waist channel	Full length		Length of under arm	Width around cuff
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>J</b>	<b>K</b>
170	155	171.5	90	90	56	48	97	60	48	44
180	155	171.5	95	90	56	51	102	60	51	44
190	155	171.5	100	90	56	54	107	60	54	44
Tol +/-	1	1	1	1	0.5	0.5	1	0.5	1	0.5

5. CONSTRUCTION

SEAMS AND STITCHING to BS 3870
<ul style="list-style-type: none"> <li>• All seam types to be 2.04.03, 2.04.05 or 2.02.03</li> <li>• Stitch type 301 or 401</li> <li>• All seams top stitched 0.6cm from edge</li> <li>• 8 to 10 stitches per 2cm</li> <li>• Button holes at least 22 stitches per 2cm, either bar tacked or taper barred</li> <li>• Button sewn with at least 12 stitches through each hole</li> <li>• Front edge and back opening edge stitched</li> </ul>

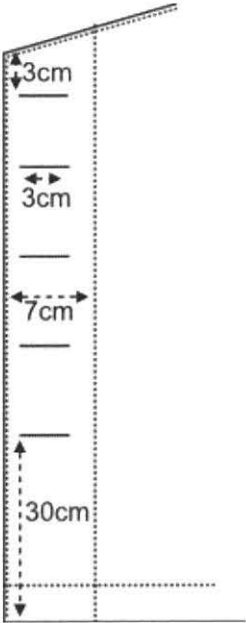
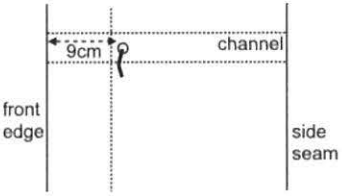
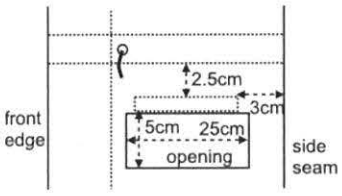
The following seam types are referenced in this specification:

	5.31.01
	1.06.02
	5.05.01

	1.06.01
	6.03.01

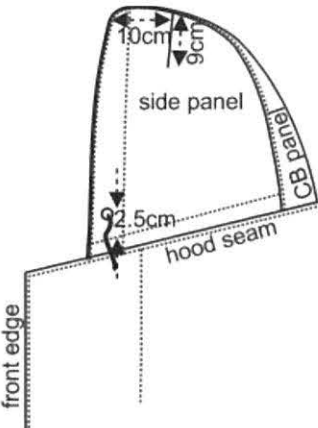
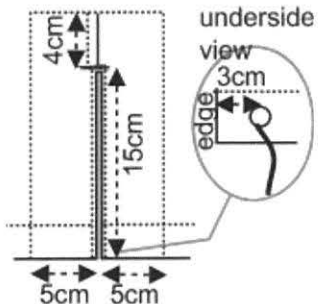
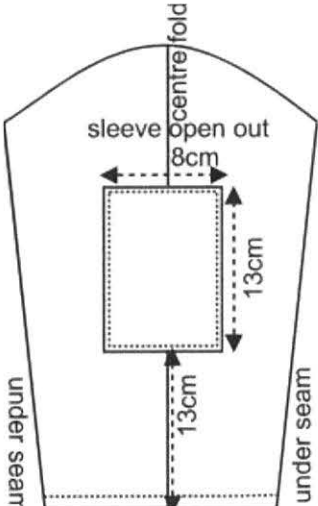
PART	DETAIL	BS 3870
DESIGN	<ul style="list-style-type: none"> <li>• Single breasted to button 5</li> <li>• Attached hood</li> <li>• Centre back vent</li> <li>• One-piece sleeve</li> <li>• Access welt opening to foreparts</li> <li>• Shock cord to waist, and hood</li> <li>• Draw cord to hem</li> </ul>	

5. CONSTRUCTION continued

PART	DESIGN	BS 3870
<p>5.1 FRONT AND FACINGS</p> 	<ul style="list-style-type: none"> <li>• Grown on facing, 7cm wide</li> <li>• Five button holes, left front, 3cm long, with the eyes 1.6cm from front edge</li> <li>• Positioned with the top hole 3cm from top edge, bottom hole 30cm from bottom edge</li> <li>• Remaining holes spaced equally between top and bottom holes</li> <li>• 5 buttons with backing buttons, sewn 6cm from front edge in line with holes on right forepart</li> </ul>	<p>5.31.01</p>
<p>5.2 FRONT WAIST CHANNEL</p> 	<ul style="list-style-type: none"> <li>• Channel, 2.5 wide, sewn to inside of smock</li> <li>• Channel extends from front facing to front facing</li> <li>• Eyelet clenched centrally to forepart, 9cm from front edge</li> <li>• Draw cord fitted to channel, tacked at centre back, ends to extend 8cm out of eyelet and be knotted at ends</li> </ul>	<p>5.31.01</p>
<p>5.3 ACCESS WELT OPENING</p> 	<ul style="list-style-type: none"> <li>• Welt, each forepart, 2.5cm below waist channel</li> <li>• Welts, 25cm long, 5cm wide</li> <li>• Back opening seams are finished to conceal all raw edges</li> <li>• Bar tacked at top of opening and welt</li> </ul>	



5. CONSTRUCTION continued

PART	DESIGN	BS 3870
<p>5.4 HOOD</p> 	<ul style="list-style-type: none"> <li>• 4 piece</li> <li>• Uncut darts, 9cm long, as marked</li> <li>• Front opening has channel formed by grown on facing, 2.5cm wide</li> <li>• Inner edge of channel sewn to hood</li> <li>• Eyelet, clenched centrally in hood 2.5cm from ends</li> <li>• Draw cord fitted to channel, tacked at centre seam, ends to extend 5 cm out of eyelet and be knotted at ends</li> </ul>	<p>1.06.01 5.31.01</p>
<p>5.5 BACK</p> 	<ul style="list-style-type: none"> <li>• Opening, 15cm long, sewn at bottom of centre back seam</li> <li>• Facing, 5cm wide, sewn to both openings</li> <li>• Facing to extend 4cm above top of opening, the inner edges sewn</li> <li>• Bar tack at top of opening</li> </ul>	<p>1.06.02 5.31.01</p>
<p>5.6 SLEEVES</p> 	<ul style="list-style-type: none"> <li>• One piece sleeve, 2cm bottom upturn</li> <li>• Patch of poly/cotton material, 13cm long, 8cm wide</li> <li>• Position as marked, on left sleeve</li> </ul>	<p>6.03.01 5.31.01</p>

5. CONSTRUCTION continued

PART	DESIGN	BS 3870
5.7 HEM	<ul style="list-style-type: none"><li>• 3.5cm wide upturn, eyelet clenched centrally in upturns</li><li>• Positioned, 3cm from centre front edge and back opening edges</li><li>• Draw cord fitted to both upturns, extending 8cm out of eyelets and be knotted at ends</li></ul>	6.03.01

6. LABELLING REQUIREMENTS

Labels	Colour	Position
Identification and garment care labels	White	Attached on inside at the front of the left forepart 6cm above the bottom edge

Care and size 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

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

PARKA, CAMOUFLAGE, White  NSN 8415-99-136-2680* NATO Size: 6070/9015* Size:     Height 170* Contract No. Name: No: (Fibre content to be added here)
--

\*Amend as appropriate to end item

6. LABELLING REQUIREMENTS continued

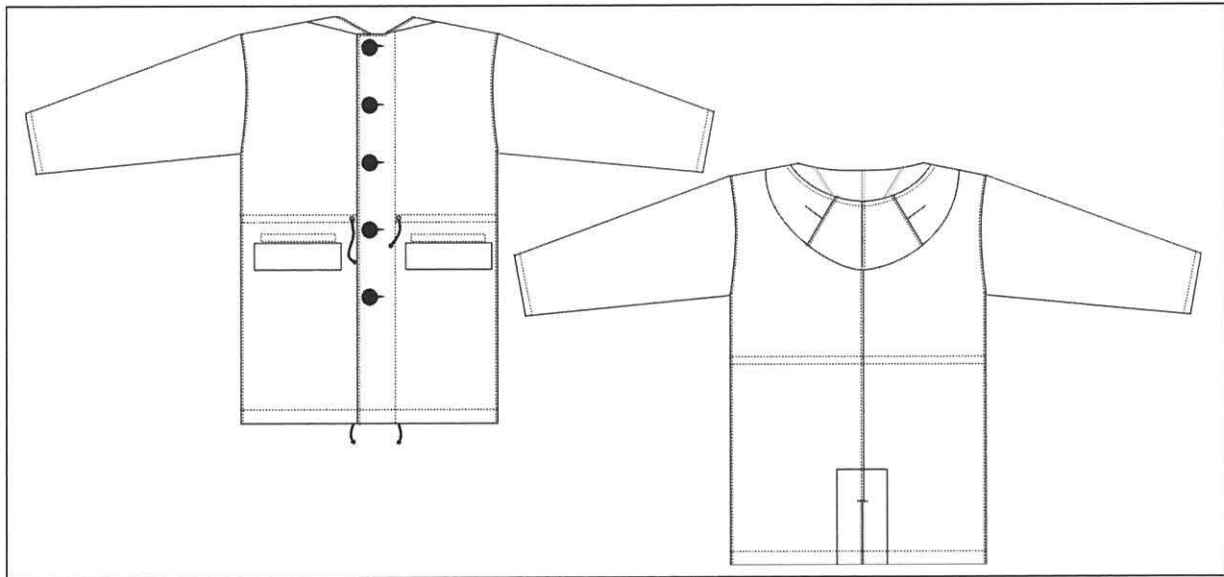
Care Label

Care Instructions	
	Wash as synthetic
	DO NOT BLEACH
	Cool iron
	Can be dry cleaned
	Drip dry or Tumble dry at lower heat setting
<p>To retain camouflage qualities, keep garment clean, wash with minimum amount of detergent</p> <p>Do not wash this garment with oily or very dirty clothing</p>	

TL Numbers, NATO Size and Stock Numbers

TL Number	NATO Stock No	NATO Size	Size No. Height
TL1037967	8415-99-136-2680	6070/9015	170
TL1037968	8415-99-136-2682	7080/9015	180
TL1037969	8415-99-136-2684	8090/9015	190

7. TECHNICAL DATA SHEETS



Parka, Camouflage, White

<b>Specification No.</b>	DC/MS/3912
<b>Item Description</b>	PARKA, CAMOUFLAGE, WHITE
<b>Pattern No.</b>	20492
<b>NATO Stock No.</b>	8415-99-136-2680, 2682 & 2684
<b>SCOPE</b>	
A white nylon parka with draw cords, to be worn as an over garment to provide camouflage against a background of snow and to be rolled up for stowage when not in use. The size schedule provides for three sizes	

Related specifications	Title
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	Stitches and seams
Part 1	Classification and terminology of stitch type
Part 2	Classification and terminology of seam type
BS 5742	Specification for textile labels requiring to be washed and or dry cleaned
UK/SC/3811	Cloth, plain weave, nylon, No.3, white
UK/SC/4782	Cord, braided, nylon, white, black green, beige
UK/SC/5121	Buttons, sewing, various
UK/SC/6577	Cloths, polyester and cotton blends

BILL OF MATERIALS

Fabric		
Reference	Description	NATO Stock Number
Pattern No. 8619B to UK/SC/3811	MAIN MATERIAL Cloth, plain weave, nylon, No.3 white	
Pattern No. 8190A to UK/SC/6577	SLEEVE PATCH Cloth, twill polyester and cotton, No. 2 White, FS	

Components	Size/Colour	Reference /Description	Notes/NATO Stock No.
Draw cord	White	Cord, braided nylon, white	Pattern No 9483A to UK/SC/4782
Eyelets	White	Eyelets, brass, with washers, enamelled	As on the Standard Pattern or alternative approved by DC
Button	29mm 45 Ligne White	4 hole Refer to Components section	8315-99-977-7668 Pattern No. 22248 UK/SC/5121
Backing button	11mm 18 Ligne White	4 hole Refer to Components section	8315-99-973-0686 Pattern No. S/3184 UK/SC/5121
Thread	White 12's	Polyester/cotton, corespun BUTTONHOLES	To BS EN 12590 Gimp
Thread	White 50's 120's	Polyester staple fibre SEWING ON BUTTONS ALL OTHER PURPOSES	To BS EN 12590
Identification/ Care Labels	White	Refer to item specification for detail	BS 5742, Paragraph 3 and BS EN ISO 3758

**UK/SC/4551 Issue 3**

Specification for  
**PARKA, MAN'S**  
**(Cold weather)**



**Defence Clothing**  
Integrated Project Team

PROPERTY OF :-  
DEFENCE CLOTHING  
INTEGRATED PROJECT TEAM  
DLO Caversfield  
Skimmingdish Lane  
Bicester  
Oxon  
OX27 8TS

NN/37/P770  
NV/515/01

Date of Approval: 02 August 1988  
Previous Issue: 25 February 1980

NATO Stock Number

8405-99-132-2531 to 2540

Pattern Number

20494

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This Specification has 14 Pages



**SPECIFICATION UK/SC/4551 – ISSUE TABLE**

<b>Issue Number</b>	<b>Comments</b>	<b>Date Published</b>
3	Issue B reformatted without technical change and re-issued as Issue 3. Amendment 3 is included at page 13 (April 2002)	02 August 1988

1. SCOPE

A disruptively patterned garment, designed for wear over a thermal liner on static and semi-static duties in cold weather conditions. The size schedule provides for nine sizes and special measure.

2. RELATED SPECIFICATIONS AND DOCUMENTS

2.1 Reference is made in this specification to:

BS 3870 Parts 1 and 2	Stitches and seams
BS 4109	Copper for electrical purposes
BS 4923	Schedule of domestic washing and drying procedures for textile testing
BS 6157	Industrial sewing threads made wholly or partly from synthetic fibres
DEF STAN 83-75	Cloths, woven, nylon
UK/SC/3632	Webbing and tapes textile, nylon
UK/SC/3698	Methods for laundering, rendering water repellent and testing water repellency of, Smock Man's Combat, Trousers Man's Combat, Hood Man's Combat
UK/SC/3840	Wadding, polyester fibre, white
UK/SC/4411	Cloth, satin back drill, cotton and modal, disruptively patterned, WR, FS
UK/SC/4528	Requirements for the labelling of garments
UK/SC/4559	Slide fasteners, metallic and non-metallic chains
UK/SC/4727	Performance of touch and close fasteners
UK/SC/4888	Cord braid tubular, cotton
UK/SC/4963	Cloth, satin back drill, cotton disruptively patterned, FS, SF, WR

2.2 Reference in this specification to a British Standard or any other specification or document means, in any tender or contract, the edition current at the date of such tender or contract unless otherwise stated.

3. PATTERNS

3.1 Standard Pattern

A Standard Pattern, which is to be obtained from the Technical Information Office, is to provide the criteria for all materials, components and manufacturing features not fully defined in this specification.

3.2 Paper Patterns

Paper Patterns, which are for guidance only, may be obtained from the Technical Information Office. Patterns are non-returnable.

4. MATERIALS

4.1 The garment is to be made of the following materials:

Body of garment, hood, pockets, stays and shoulder straps	Cloth, satin back drill, cotton, disruptively patterned, FS, SF, WR, Pattern No.8769C to Specification UK/SC/4963 NATO Stock No.8305-99-132-0930  or Cloth, satin back drill, cotton and modal, disruptively patterned, FS, WR, SF, Pattern No.8485A to Specification UK/SC/4411 NATO Stock No.8305-99-137-7140
Hood lining	Cloth, plain weave, nylon, olive drab No.2 heat calendered, Pattern No.8590A to DEF STAN 83-75 NATO Stock No.8305-99-138-1941
Hood lining filler	Wadding, polyester fibre, white, Pattern No. 8500A to specification UK/SC/3840
Interlining forepart facings	Interlining, cotton basic, white, cross linked finish, weight 210g/m <sup>2</sup> with approximately 19 ends and 16 picks per cm. Shrinkage not to exceed 2 per cent in each direction of warp and weft when tested to BS 4923 Process 2A
Primary front fastening	Fastener, slide, heavyweight, polyester or polyamide moulded member, colour olive drab, open ended, two way autolocking sliders, top stops, 17mm wide stringer. To comply in all other respects with the requirements of Specification UK/SC/4559
Drawcords for waist and hood: slide fastener tag and hanger	Braid, tubular cotton, olive drab, Pattern No.9505C to Specification UK/SC/4888 NATO Stock No.8415-99-132-0617
Binding for bottom edges of cuffs	Tape, textile, nylon, stretch, olive drab (19mm) Pattern No.9447A, Specification UK/SC/3632
Stay/handhold at base of zip	Webbing, nylon, 25mm, olive drab, Pattern No.9442A to Specification UK/SC/3632
Wire for hood cowl	Wire, electrical, copper (1.626mm dia), to BS 4109.
Adjustment for hood drawcord	Pulley, plastic, as on the Standard Pattern.

Secondary front fastening, cuff adjustment, liner to Parka fastening(neck and cuffs)	Fastener tape, hook and pile, 20mm, olive drab, to comply with the requirements of Specification UK/SC/4727
Liner to Parka fastening (inner forepart)	Fastener tape, pile element, 50mm, olive drab, to comply with the requirements of Specification UK/SC/4727
Shoulder strap, pocket, and crutch strap fastening	Buttons, urea formaldehyde, green, 45 ligne.
Identification/care labels	Olive drab, to comply with Specification UK/SC/4528 for fabric, attachment and marking

4.2 The following sewing threads or approved alternatives, are to be used. The shades are to match those used in the Standard Pattern.

For all purposes	Thread, polyester and cotton, continuous filament polyester core, cotton sheath, to BS 6157, olive drab Metric Ticket No.180 for overlocking Metric Ticket No.12 for gimp for buttonholes Metric Ticket No.50 for sewing on buttons Metric Ticket No.75 for all other purposes
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## 5. MANUFACTURE

### 5.1 Design

Single breasted with slide fastener and fastener tape closure. Attached hood with cowl. Whole back. Shoulder straps, one piece set-in pivot style sleeves. Lined shoulders, adjustable cuffs. Crutch strap. Two breast patch pockets, two hip bellows pockets, with storm flaps. Drawcord fitted at waist and face aperture.

### 5.2 Foreparts and facings

- 5.2.1 The facings are to be fully interlined, 6.5cm finished width and sewn to each forepart using seam type 1.06.02 of BS 3870. The inner edge is to be sewn to the forepart using seam type 5.31.01 of BS 3870.
- 5.2.2 A slide fastener is to be inserted in the front opening extending from the top of the facing with the length in accordance with the size schedule.
- 5.2.3 The left side of the fastener is to be positioned with the tape attached to the inner edge of the facing by two rows of stitching 0.6cm apart.
- 5.2.4 The right side of the fastener is to be positioned on the outside of the forepart, 6cm from the front edge, attached by two rows of stitching 0.6cm apart.
- 5.2.5 Fastener tape pile elements, 15cm long, are to be sewn vertically to the left forepart facing 0.5cm from front edge. The top strip positioned 1cm below the top edge of facing with the bottom strip positioned 1cm above the bottom. The remaining two strips positioned

29cm and 51cm respectively from the bottom edge to the bottom edge of tapes, for size 180/104 and respectively for other sizes.

5.2.6 Fastener tape hook element, 15cm long are to be sewn vertically to the right forepart in correct register with the pile elements.

5.2.7 A stay of main material, approximately 8cm wide, 6cm deep, is to be sewn to the inside of each forepart using seam type 5.31.01 of BS 3870 positioned with the bottom edge approximately 11cm up from the bottom of forepart and extending across the forepart from the inner edge of forepart facing.

5.2.8 A button is to be securely sewn to the outside of the foreparts through each forepart and stay, positioned 14cm up from bottom edge and 10cm from front edge, for retention of crutch strap when in use.

### 5.3 Breast pockets

5.3.1 The breast pocket flaps are to be positioned at an angle of 60° to the front edge. The rear top corner is to align with the lowest point of the hood/forepart seam.

The top of patch and flap are to be stayed by a single ply of main material, 6cm deep and sewn in with forepart facing and sleeve seam.

5.3.2 A flap of two ply main material, 18cm wide, 8cm deep at the point, is to be sewn to each forepart using seam type 5.31.05 of BS 3870 with the top stitching 0.6cm from the edge.

A buttonhole, 3cm long is to be worked centrally 1.5cm from the point.

5.3.3 The top of patch is to have an inturn of 11cm, using seam type 6.02.01 of BS 3870, with an additional row of stitching 3cm down.

The pocket is to be attached using seam type 5.31.01 of BS 3870.

The top edge of patch, is to overlap 2cm, and be securely sewn to the flap.

A button is to be sewn to the pocket in register with the buttonhole.

Finished patch dimensions: Depth - 17cm  
Width - 18cm

### 5.4 Hip pockets

5.4.1 The hip pocket is to be positioned with the top edge of the flap 6.5cm below the bottom of waist channel and 13cm from front edges.

The top of the patch and flaps are to be stayed by a single ply of main material, 7cm deep and sewn in with the facing and side seam.

5.4.2 The flaps of two ply main material, 21cm wide, 18cm deep at the point, and 4.5cm deep at the sides, are to be sewn to each forepart, using seam type 5.31.05 of BS 3870 with the top stitching 0.6cm from the edge.

5.4.3 The top edge of each patch is to be finished with a 11cm deep inturn, using seam type 6.02.01 of BS 3870, with an additional row of stitching inserted 3cm from the top edge of the patch.

Each patch is to have an upturn at the bottom and an inturn at each side, 4.5cm wide. The edges of the upturn and inturns are to be sewn to the foreparts using seam type 5.31.02 of BS 3870, with the corners securely tacked.

The patch, is to be positioned with the side inturn, 0.5cm below the top edge of the flaps and the top inturn sewn to the side edges of the flap.

- 5.4.4 Fastener tape, pile element, 15cm long, is to be sewn to the top of pocket stay, aligned with the rear of the pocket.

A button is to be sewn to the pocket in register with the buttonhole.

Finished patch dimensions: Depth - 23cm  
Width - 21cm

## 5.5 Sleeve

- 5.5.1 Reinforcement patch, of single ply main material, is to be sewn to each sleeve central to the elbow position. The patch, 21cm deep, is to be attached on top and bottom edges, using seam type 5.31.01 of BS 3870 with the sides caught in with the sleeve seam.

- 5.5.2 The cuff is to have an upturn, 7cm deep, sewn using seam type 6.03.01 of BS 3870. The bottom edge of the cuff is to be bound, using seam type 3.01.01 of BS 3870.

Three loops of double thickness main material, 0.6cm wide with an effective length of 3.5cm, are to be attached 1cm from the bottom edge with the loop 5cm, 10cm and 15cm from the sleeve seam, when measured over the forearm.

- 5.5.3 A pointed strap, of double thickness main material, 3cm wide, 20cm long is to be attached to cuff, using seam type 5.31.05 of BS 3870, positioned 1.5cm from the bottom edge and 1.5cm from the sleeve seam, extending across the forearm of the sleeve.

Fastener tape, hook element, 5cm long, is to be sewn to the underside of the strap, positioned 1.5cm from the point.

Fastener tape, pile element, 14cm long, is to be sewn to the underside of the sleeve, positioned 1.5cm from the bottom edge and 2.5cm from the sleeve seam.

Fastener tape, pile element, 4.5cm long, is to be sewn, inside of cuff, positioned 1cm from the bottom edge and directly opposite the sleeve seam.

## 5.6 Hood

- 5.6.1 The hood is to be cut with a centre seam formed at the back and shaped as on the Standard Pattern. The hood is to be fully lined and cut to conform with the shape of the Standard Pattern.

- 5.6.2 Two pairs of eyelets are to be worked in the back of the hood. The lower pair are to be positioned 3cm above the bottom edge of the hood and 5cm from and horizontal to the hood centre seam. The uppermost pair of eyelets are to be positioned 13cm above the bottom edge of the hood seam and 5cm from and horizontal to the hood centre seam.

- 5.6.3 A strip of main material, 16cm long and 3cm wide (finished dimensions), is to be positioned centrally to cover the upper pair of eyelets, using seam type 5.31.01 of BS 3870. A drawcord is to be threaded through the lower and upper eyelets in a crossways

direction, with the ends protruding at least 20cm beyond the lower eyelets. The ends of the drawcord are to be knotted.

- 5.6.4 A channel, 2.5cm wide, is to be formed at the front edge of hood by a single row of machine stitching, penetrating the main material and lining. An eyelet is to be worked at each end of the channel, positioned centrally between the channel and 2.5cm from the top of the front opening.

A drawcord 132cm long, is to be passed through each eyelet, with the ends of the draw cord secured by a vertical tack penetrating both layers of material at the centre of the hood. A locking adjuster is to be fitted to the drawcord as on the Standard Pattern.

- 5.6.5 The cowl, of two-ply main material, 11cm wide, is to extend around the whole of the face aperture and be sewn in between the hood and lining.

A channel 0.6cm wide, is to be formed around the outer edge of the cowl by two rows of stitching. A length of copper wire is to be inserted into the channel with the ends of the wire securely tacked at each end as on the Standard Pattern. Three rows of machine stitching are to be formed through the cowl, spaced equidistantly between the outer edge and aperture seam.

#### 5.7 Buggy lining

- 5.7.1 The buggy lining, formed of main material, is to be sewn in with the hood, and sleeve seams of the smock. The lining is to be 21cm deep at the centre back and extend to the yoke seam on each forepart facing.

- 5.7.2 The bottom edge of the lining is to be finished using seam type 6.02.01 of BS 3870. Fastener tape, pile element, 8cm long, is to be positioned central and adjacent to the hood seam.

#### 5.8 Back skirt pocket

- 5.8.1 To be fitted on the inside at the bottom of the back, extending across the full width. The sides and bottom edge are to be sewn in with the seams and upturn respectively.

The top edge of the pocket is to be positioned, 19cm below the top edge of the waist channel.

- 5.8.2 The top edge of the pocket is to have a 6cm inturn, using seam type 6.03.01 of BS 3870.

Two buttonholes, 3cm long, are to be worked through the top edge, located centrally and spaced 12cm apart with the eyes 2cm below the top edge.

- 5.8.3 A button stay of single ply main material, 22cm long, 8cm deep, is to be positioned centrally on the back with the top edge 17cm below the top edge of the waist channel sewn on all edges.

Two buttons are to be securely sewn through the button stay and aligned with the buttonholes.

5.9 Waist channel and drawcord

5.9.1 The channel of main material is to be formed in each forepart and back at the waist position, extending round the inside of the garment.

The channel is to measure 4cm wide, sewn using seam type 5.06.01 of BS 3870. The openings are to be formed at each side seam with the ends of the channel sewn using seam type 6.02.01 of BS 3870.

5.9.2 Three lengths of cord, are to be housed in the channel. The front channel and cord are to be caught between the facing and outer material and secured by slide fastener machining.

The back cord is to be secured by two rows of stitching in the centre of the channel penetrating the outer material.

The cords are to extend 5cm from the channels at the sides and be knotted.

5.10 Crutch strap

5.10.1 Formed of two ply main material shaped as on the Standard Pattern. The strap is to be positioned centrally to the bottom of the back and be securely sewn in with the upturn. The strap is to be doubled back and securely sewn through the bottom edge of the garment, with an effective length of 40cm.

5.10.2 Two buttonholes, 3cm long, are to be worked centrally in the free end, spaced 12cm apart with the eye of the hole 2.5cm from the edge.

5.11 Shoulder straps

5.11.1 Formed of two ply main material, positioned centrally over each shoulder seam and sewn in the sleeve seam.

The strap is to measure 6cm wide at the sleevehead, tapering to 4cm at the rounded end.

The strap is to terminate 3cm from the hood seam.

A buttonhole, 3cm long is to be worked centrally in the free end with the eye 2cm from the end. A button is to be sewn to the shoulder in correct register with the buttonhole.

5.12 Upturn

The bottom of the garment is to have a 3cm upturn finish using seam type 6.03.01 of BS 3870.

5.13 Hanger

A hanger, effective length 6cm is to be securely sewn on the inside of the hood seam at the centre back neck.

5.14 Seams and stitching to BS 3870

5.14.1 Shoulder, sleeve, side and hood seams to be sewn using seam type 2.04.05, 2.04.03 or 2.02.03 of BS 3870.



- 5.14.2 Shoulder straps, pocket flaps and crutch strap to be stitched 0.6cm from the edges. Cuff adjustment straps and loops to be edge stitched. The stitching is to be unbroken and regular.
- 5.14.3 Single needle machine stitching to be stitch type 301, twin needle machine stitching to be stitch type 301 or 401. Both types to have at least eight but not more than ten stitches per 2cm and be correctly tensioned.
- 5.14.4 All raw edges to be overlocked using stitch type 502, 503, 504 or 505.
- 5.14.5 Buttonholes to have at least 22 stitches per 2cm, and be bar tacked or tail barred.

6. General

- 6.1 Sewing threads may be treated with stain free lubricant.
- 6.2 All seams to be free from pucker.
- 6.3 Garments are to be cleaned of all ends of sewing thread, well pressed and delivered in clean condition.

7. MEASUREMENTS

- 7.1 Stock size garments are to conform to the Schedule.
- 7.2 Special measure 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 chest measurements of wearer and measurements not shown on the special measure form.

8. IDENTIFICATION/CARE INSTRUCTION LABEL TO SPECIFICATION UK/SC/4528

- 8.1 Composite label may be used.
- 8.2 Position: on back lining attached centrally at back neck: care label below identification label.
- 8.3 Information and format is to be as follows:
  - 8.3.1 For stock sizes: Item name, NATO Stock Number, NATO size, size/wearer's measurements, contract number, indication of position for wearer's name and number. The size number is to be 0.6cm high.
  - 8.3.2 For special measure garments: Item name, NATO Stock Number, name, number and measurements of wearer, contract number. The size number is to be 0.6cm high.

8.3.3 Care label: As specimen label.

Specimen labels  
Identification labels



Stock sizes

PARKA, MAN'S (Cold weather) 8405-99-132-2535 NATO size 7080/9505 Height/Chest Size 180/ 104 0/000/0000 Name: No:
--

Special measures

PARKA, MAN'S (Cold weather) 8405-99-132-2540  T. Atkins      678 Height: Breast: 0/000/0000
--

Care Label

	MACHINE	HAND WASH
	Hot maximum wash	Hand hot
Spin or wring		
	HOT IRON	
If heavily soiled, repeat wash. To maintain water repellency re-proof with a suitable re-proofing agent e.g. Mystolene Mk 9 Professionally launder to Specification UK/SC/3698		

UK/SC/4551 Issue 3

SCHEDULE

PARKA, MAN'S (Cold weather)

All measurements are in centimetres

NATO Stock Nos. 8405-99-132-	NATO size	Size Height/ Chest	Measurements of man		Measurements of garment													
			Height	Chest	Across chest at level of hood seam when fastened	From edge to edge at	Bottom of face aperture		Back from neck seam		Length of slide fastener	Full width of back	Sleeve			Length of hood at sewing on seam	Length of hood from centre back to cowl sewing on seam	Length of cowl sewing on seam
							Waist and bottom	To centre of waist channel	To bottom edge	To centre of waist channel			To bottom edge	Length topside from shoulder to bottom of cuff	Width			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		(15)	(16)	(17)	(18)
2531	6070/9095	170/96	160	88-96	56	144						57						
2532	6070/9505	170/104	to	96-104	60	152	44	94	44	94	72	59	59	49	36	84	58	59
2533	6070/0515	170/112	170	104-112	64	160						61						
2534	7080/9095	180/96	170	88-96	56	144						57						
2535	7080/9505	180/104	to	96-104	60	152	48	100	48	100	78	59	64	49	36	84	58	59
2536	7080/0515	180/112	180	104-112	64	160						61						
2537	8090/9505	188/104	180	96-104	60	152						59						
2538	8090/0515	188/112	to	104-112	64	160	52	106	52	106	84	61	69	49	36	84	58	59
2539	8090/1520	188/120	188	112-120	68	168						63						
2540		For special measure garments																

D/DCTA/37/P770 (ST)  
D/DCTA/515/01 (QPS)

SPECIFICATION NO: UK/SC/4551B  
PARKA MAN'S (Cold Weather)

AMENDMENT NO 3 INCORPORATING AMENDMENTS 1 and 2

AMENDMENT NO 1

Page 13 SCHEDULE – COLUMNS 3 & 14

Delete: 188

Insert: 190

AMENDMENT NO 2

Page 6 Clause 5.4.2 Line 1

Delete: 18cm deep at point

Insert: 8cm deep at point

Page 9 Clause 5.8.1.1

Delete: The top edge of the pocket is to be positioned, 19cm below the top edge of the waist channel

Insert: After “seams and upturns respectively”. Depth of pocket 32cm.

AMENDMENT NO 3

Page 10 Para 5.14.1

Delete: Using seam type 2.04.05, 2.04.03 or 2.02.03 of BS 3870

Insert: Using seam type 1.01.01 with the edges overedge stitched together. Additionally all seams are to be lapped and top stitched 0.6cm from the seam. The top stitching is to be regular and unbroken.

25 November 1996

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