

# PRIVATE SPECIFICATION

Prepared for the



**SOUTH AFRICAN AIRWAYS**

A STAR ALLIANCE MEMBER 

## FLIGHT DECK CREW & CABIN CREW, TRACKSUIT



**Item Numbers: FM15, FM16**

**Document Number: SAA001**

**Version 04.0/August 2015**

# 1. Scope

This specification<sup>1</sup> covers the material and make of tracksuits for personnel of the South African Airways. This specification covers the items as listed in table 1.

Table 1 – Item numbers

| 1                                     | 2           |
|---------------------------------------|-------------|
| Item description                      | Item Number |
| FDC & Cabin Crew, Tracksuit, Jacket   | FM15        |
| FDC & Cabin Crew, Tracksuit, Trousers | FM16        |

# 2. Definitions

For the purpose of this specification the definitions given in SANS 10371 "Terms and definitions for clothing" and the following shall apply:

|                    |   |
|--------------------|---|
| <b>Acceptable:</b> | Acceptable to the South African Airways                         |
| <b>Nominal:</b>    | Subject to the tolerances normal to good manufacturing practice |
| <b>SANS:</b>       | South African National Standard                                 |

# 3. Style

Each tracksuit shall consist of a pair of trousers and a jacket.

## Jacket:

- ♦ slide fastener opening at the front
- ♦ stand-up type collar
- ♦ long sleeves
- ♦ ribbed cuffs
- ♦ straight bottom hem
- ♦ embroidery positioned on the left forepart
- ♦ plain back with embroidery
- ♦ the embroidered words "CREW" shall be luminous/glow in the dark

## Trousers:

- ♦ pull-on style
- ♦ elasticised waist
  - fitted with elastic webbing and a draw-cord
- ♦ two side pockets
- ♦ plain bottom hems
- ♦ fronts to have pin-tucks

<sup>1</sup> This private specification has been compiled by National Private Specifications (Pty) Ltd. [privatespecs@vodamail.co.za](mailto:privatespecs@vodamail.co.za)

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## 4. Illustrations

Illustrations are not to scale and are for guidance only.

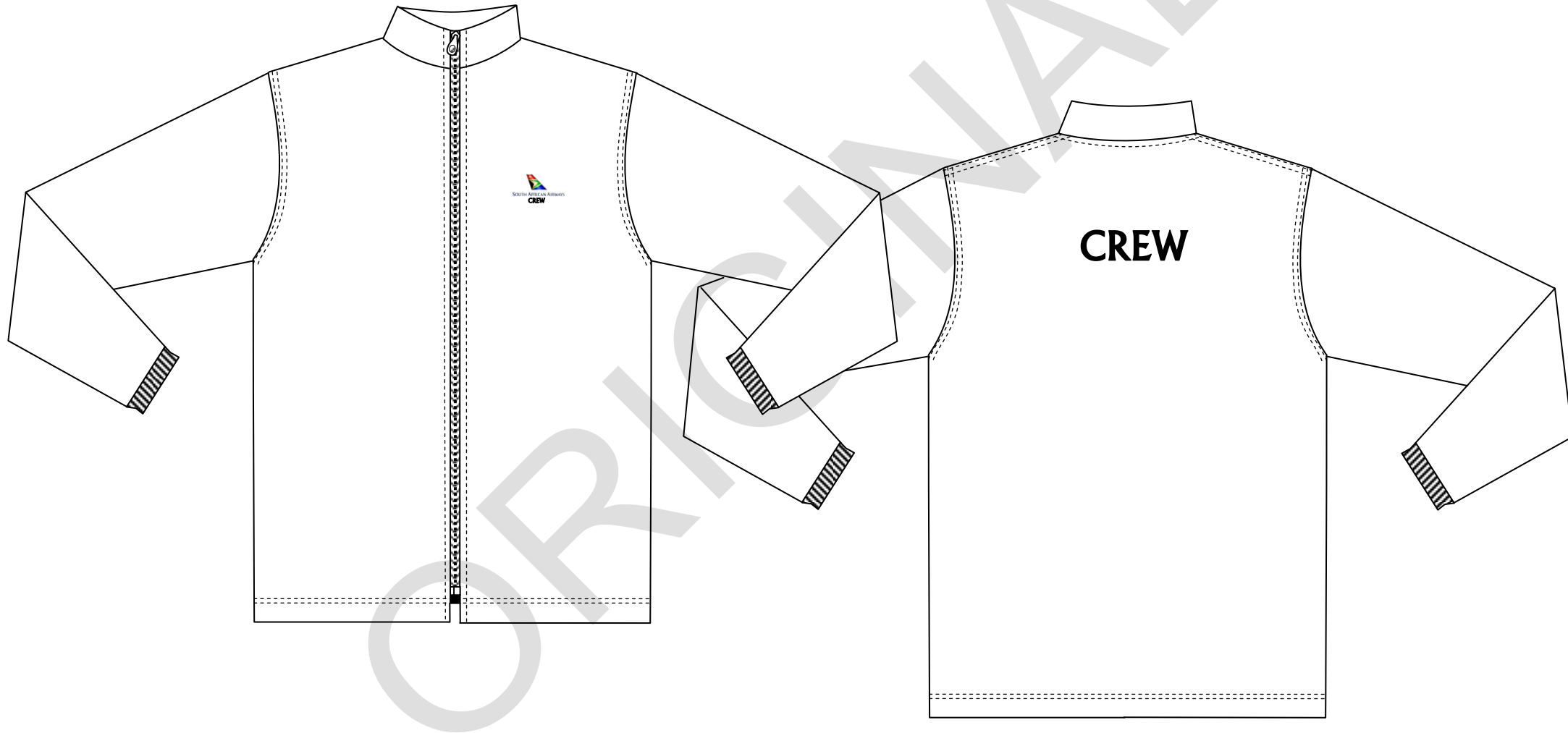


Figure 1 – Front and back of jacket

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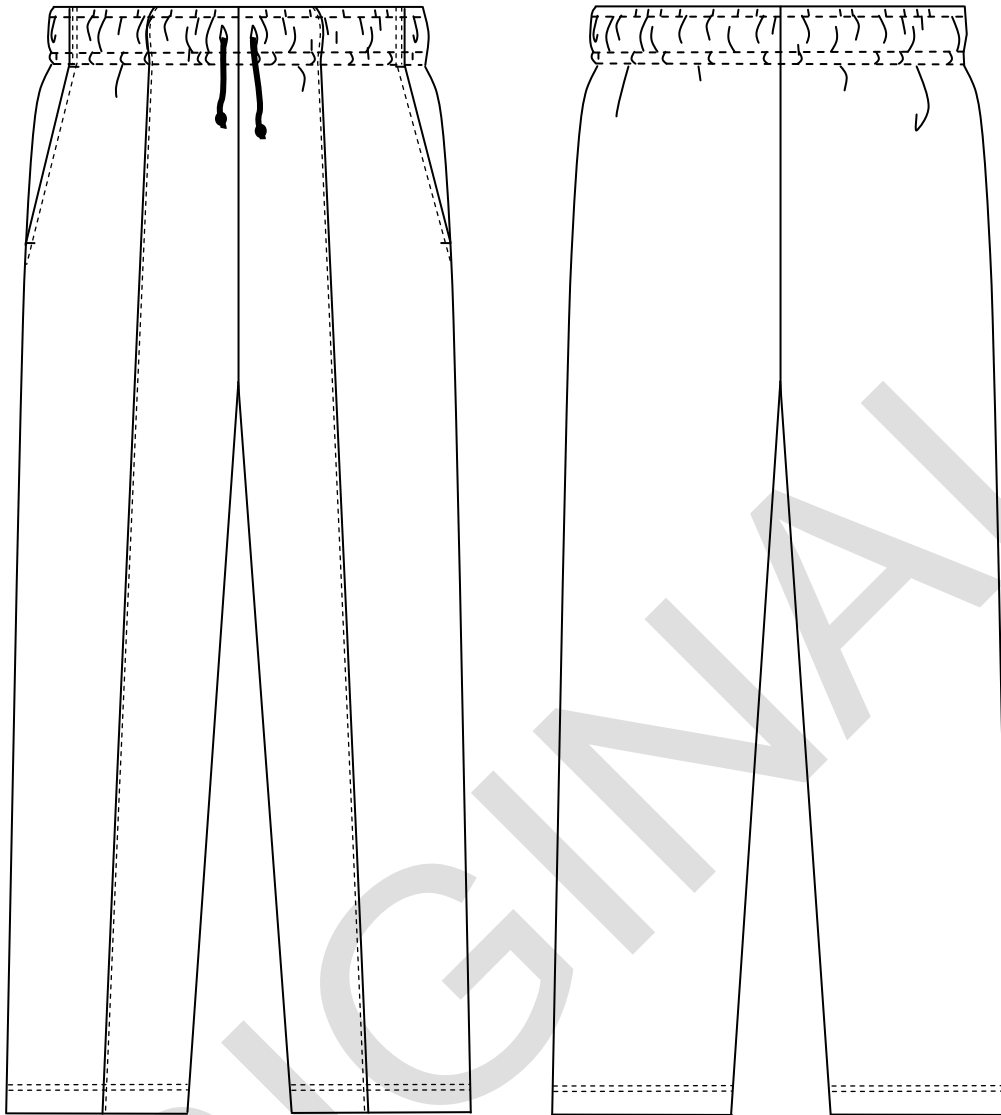


Figure 2 – Front and back of trousers

## 5. Client Furnished Materials

No materials will be supplied by the South African Airways.

## 6. Component Materials

The following materials shall be supplied and used by the manufacturer. Trim charts shall also be submitted by the manufacturer (see Annex A).

**NOTE:** All components listed below shall be manufactured in the Republic of South Africa. In instances where the raw material and/or finished components are not available in the Republic of South Africa, the onus shall be on the bidder to apply for exemption certificates from DTI. Exemption certificates, where relevant, shall be submitted together with each bid.

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## 6.1 Outer Material

- ♦ to comply with the relevant requirements as given in table 2
- ♦ colour to be an acceptable navy colour as agreed upon between SAA and the successful bidder

**Table 2 – Outer material and rib requirements**

| 1   | 2   | 3   |
|---|---|---|
| Property  | Requirements  | SANS number<br>(unless otherwise indicated) |
| <b>Composition, %,</b><br>Outer material .....<br>Ribbing ..... | Polyester and cotton<br>Cotton  | 1833-1 and 1833-11<br>AATCC method 20       |
| <b>Construction</b><br>Outer material .....                     | 1 x 3 tuck-miss two-threaded weft-knitted fleecy-type fabric brushed on the technical reverse side <sup>a</sup> | Visual examination and physical analysis    |
| Ribbing .....   | 1 x 1 rib   |   |
| <b>Mass per area</b> g/m <sup>2</sup> , min.                    |   | 5385  |
| Outer material .....  | 200 ± 5   |   |
| Ribbing .....   | 320 ± 5   |   |
| <b>Bursting strength</b> , kPa, min. ....                       | 240   | 13938-1                                     |
| <b>Dimensional changes on laundering</b> , %, max. ....         | 7   | 11167:2005,<br>washing procedure F3 or T3   |
| <b>Resistance to pilling</b> , rating, min. ....                | 3,5 (slight to moderate)  | 6116  |
| <b>Colourfastness to:</b>                                       |   | 11166: Washing procedure A                  |
| <b>Washing</b> , rating, min.                                   |   |   |
| Change in colour .....  | 4   |   |
| Staining .....  | 4   |   |
| <b>Perspiration</b> , rating, min.                              |   | 105-E04                                     |
| Change in colour .....  | 4   |   |
| Staining .....  | 4   |   |
| <b>Light</b> , rating, min. ....                                | 5   | 105-B02                                     |

<sup>a</sup> The in-lay yarn, when tested in accordance with AATCC test method 20 "Fiber analysis: Qualitative", is an all combed cotton yarn (with a recommended yarn linear density of 25 tex) and the ground yarn, when tested in accordance with SANS 1833-1 and SANS 1833-11, is a 50 ± 3 % cotton, 50 ± 3 % polyester blended yarn.

<sup>b</sup> Knitted from a combed cotton yarn that has a recommended yarn linear density of 30 tex and spliced at every third feed with elastic splicing (that has a recommended yarn linear density of 78 dtex).

## 6.2 Rib fabric

- ♦ to comply with the relevant requirements as given in table 2
- ♦ colour to be an acceptable match to the colour of the outer material

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## 6.3 Interlining

- ♦ to comply with the requirements of CKS 627 “Fusible interlinings”
- ♦ fusible woven, knitted or non-woven interlining
- ♦ suitable for use in garments which may be washed

The selection of interlining of appropriate mass per unit area to be determined by consultation with the supplier of the interlining. The manufacturer will be held responsible for the performance of the interlining and the appearance of the finished garments.

## 6.4 Slide fasteners

- ♦ to comply with the requirements of SANS 1822 “Slide fasteners”
- ♦ colour to be an acceptable match to the colour of the outer material
- ♦ a typical example of suitable products are supplied by YKK<sup>2</sup>
- ♦ one-way open-end
- ♦ synthetic spiral
- ♦ comply with the relevant requirements of class C of SANS 1822 “Slide fasteners”

**NOTE:** Attention is drawn to Annex A where it states that compliance certificates to the relevant standards shall be submitted together with the pre-production samples.

## 6.5 Elastic webbing

- ♦ woven elastic webbing of finished width 35 mm
- ♦ complies with the requirements for type 1 of SANS 142 “Narrow elastic fabrics and strip”

## 6.6 Stay-tape

- ♦ an acceptable stay-tape or acceptable interlining strips

## 6.7 Draw-cord

- ♦ an acceptable polyester or nylon braided cord
- ♦ of nominal diameter 6 mm
- ♦ ends shall be heat sealed to prevent fraying
- ♦ colour to be an acceptable match to the outer material

## 6.8 Threads

- ♦ to comply with relevant requirements of SANS 1362 “Sewing threads”
- ♦ colour to be an acceptable match to the colour of the outer material

### **Sewing and top-stitching thread:**

- ♦ polyester-and-cotton core-spun **OR** staple polyester, ticket No 80


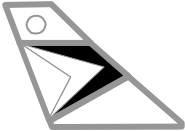





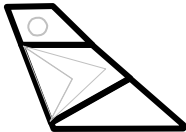

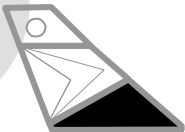

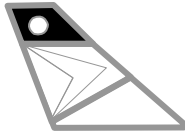


<sup>2</sup> This information is given for the convenience of users of this private specification and does not constitute an endorsement by SAA of any products supplied by YKK. Equivalent products may be used if they can be shown to lead to the same results.

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## 6.9 Embroidery thread

- ♦ an acceptable 100% viscose machine embroidery thread
- ♦ colours to be as given in table 3

**Table 3 – Design and colour breakdown of embroidery**

|   |   |
|---|---|
|   |   |
| <br> <b>Pantone 348c “SAA green”</b> | <br> <b>Pantone 123c “SAA Yellow Gold”</b>                   |
| <br> <b>Pantone Black</b>           | <br><b>“SOUTH AFRICAN AIRWAYS”</b><br> <b>Pantone White</b> |
| <br> <b>Pantone 662c “SAA Blue”</b> | <br> <b>Pantone 1795c “SAA Red”</b>                         |
| <b>CREW</b><br> <b>Luminescent white (to glow in the dark)</b>   |   |

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## 7. Workmanship

### The tracksuits shall be:

- ♦ cut and made with first-class workmanship throughout
- ♦ of uniform and acceptable make, colour and finish

### Shall be free from:

- ♦ defects, that affect their appearance or may affect their serviceability (or both)
- ♦ marks, spots or stains incurred in the making-up

### Seams and stitches shall be:

- ♦ smooth and uniform
- ♦ free from twists, pleats and puckers
- ♦ sufficiently extensible to avoid seam cracking and undue shrinkage in use

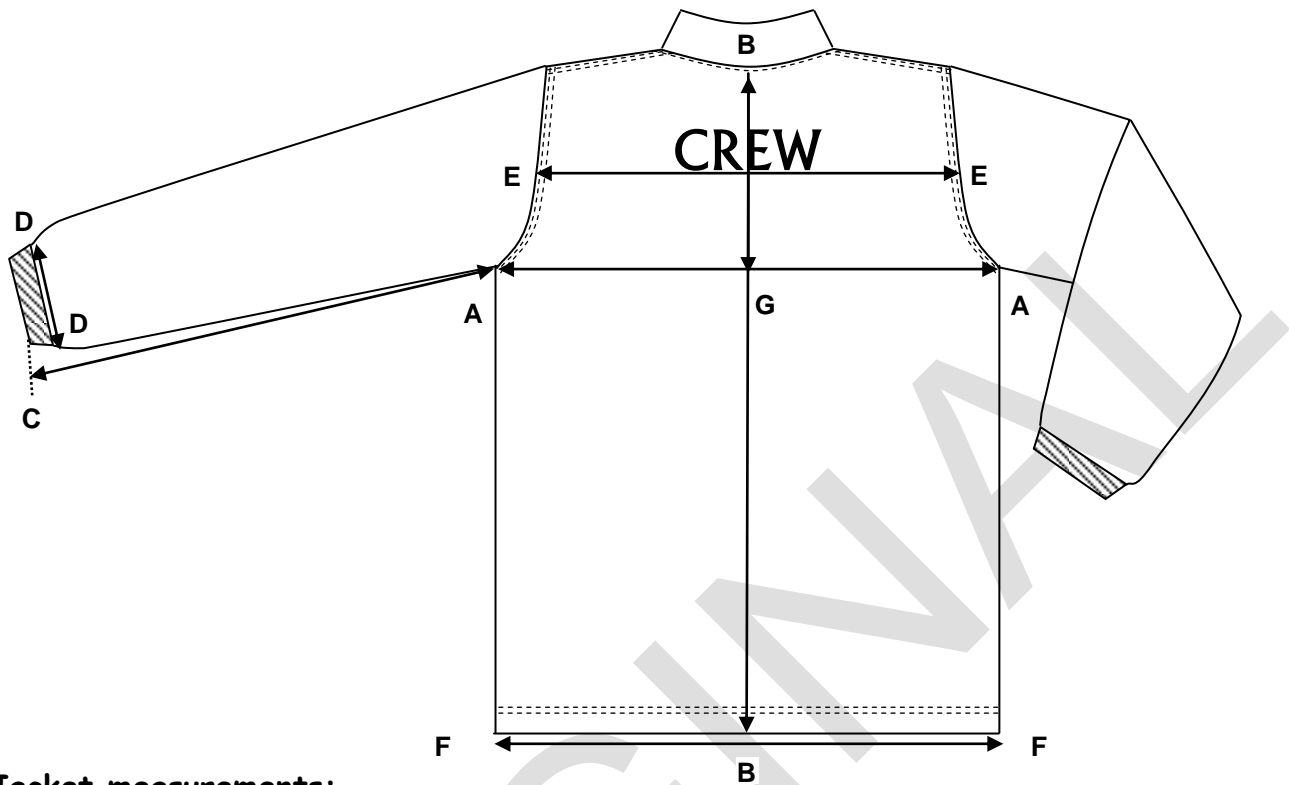
### Ends of sewing shall be:

- ♦ trimmed and loose threads removed
- ♦ back-tacked if unsecured

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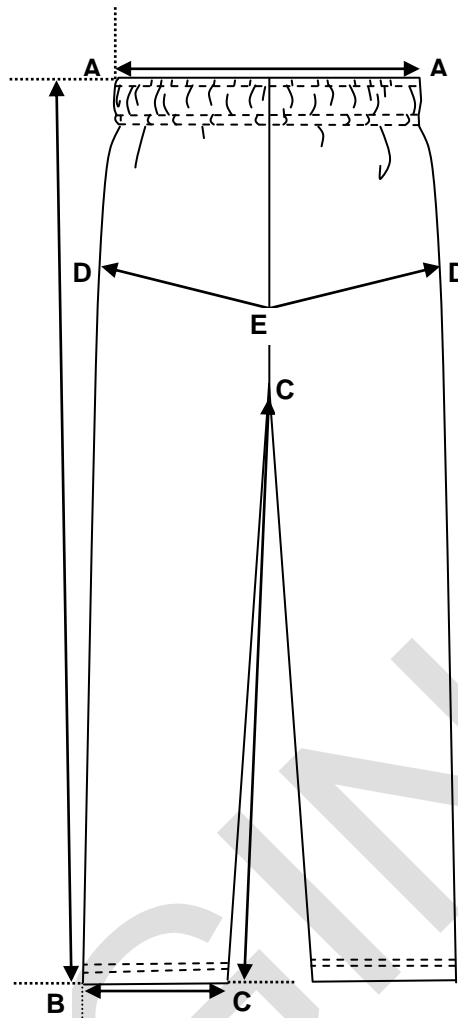
## 8. Sizes and dimensions



Jacket measurements:

| Measuring point |                     | Description  |
|-----------------|---------------------|--|
| A – A           | Chest circumference | Measure at the base of the scye, with garment spread completely flat and multiply by two.          |
| B – B           | Back length         | Measure from the centre back neck seam to the bottom edge of the garment.                          |
| A – C           | Sleeve length       | Measure along the underarm sleeve seam from the base of the scye to the outer edge of the cuff.    |
| D – D           | Cuff extended       | Measure across the cuff-to-sleeve seam, with the cuff fully extended, and multiply by two.         |
| E – E           | Back width          | Measure across the width of the back at the midpoint of the scye, from sleeve seam to sleeve seam. |
| F – F           | Bottom hem          | Measure across the bottom edge of the garment and multiply by two.                                 |
| B – G           | Depth of scye       | Measure from the centre back neck to the level of the base of the scye.                            |

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### Trouser measurements:

| Measuring point |                    | Description   |
|-----------------|--------------------|---|
| A – A           | Waistband relaxed  | Measure across at the top edge of the waistband, with the waistband relaxed, and multiply by two.                                       |
| A – A           | Waistband extended | Measure across at the top edge of the waistband, with the waistband fully extended, and multiply by two.                                |
| A – B           | Outside leg length | Measure from the top edge of the waistband to the bottom edge of the leg.   |
| C – C           | Inside leg length  | Measure from the crotch seam to the bottom edge of the leg.   |
| D – E – D       | Seat circumference | Measure across the width of the seat area in a V-formation, garment, (20 – 22 cm below waistband at all 3 points), and multiply by two. |
| B – C           | Bottom hem         | Measure across the width at the bottom edge of the garment and multiply by two.   |

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Table 4 – Size range: Jacket

| 1   | 2   | 3                        | 4           | 5          | 6             | 7                             | 8             |
|---|---|--------------------------|-------------|------------|---------------|-------------------------------|---------------|
| Size designation <sup>1</sup>   | Nominal finished garment measurements, cm |                          |             |            |               |                               |               |
|   | Chest circumference                       | Bottom hem circumference | Back length | Back width | Sleeve length | Cuff circumference (extended) | Depth of scye |
| <b>X-Small</b><br>77/82   | 100                                       | 104                      | 68          | 48         | 48            | 22                            | 27.5          |
| <b>Small</b><br>87/92   | 110                                       | 114                      | 70          | 50         | 49            | 23                            | 28.5          |
| <b>Medium</b><br>97/102   | 120                                       | 124                      | 72          | 52         | 50            | 24                            | 29.5          |
| <b>Large</b><br>107/112   | 130                                       | 134                      | 74          | 54         | 51            | 25                            | 30.5          |
| <b>X-Large</b><br>117/122   | 140                                       | 144                      | 76          | 56         | 52            | 26                            | 31.5          |
| <b>XX-Large</b><br>127/132  | 150                                       | 154                      | 78          | 58         | 53            | 27                            | 32.5          |
| <b>3X-Large</b><br>137/142  | 160                                       | 164                      | 80          | 60         | 54            | 28                            | 33.5          |
| <sup>1</sup> Based on the chest/bust girth, in centimetres, of the intended wearer. |   |                          |             |            |               |                               |               |

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**Table 5 (a) – Size range: Trousers, REGULAR LENGTH**

| 1                             | 2  | 3   | 4                  | 5                 | 6                  | 7          |
|-------------------------------|--|---|--------------------|-------------------|--------------------|------------|
| Size designation <sup>1</sup> | Waist circumference (Relaxed) <sup>2</sup> | Nominal finished garment measurements, cm |                    |                   |                    |            |
|                               |  | Waist circumference (Extended)            | Outside leg length | Inside leg length | Seat circumference | Bottom hem |
| <b>X-Small</b><br>82/87       | 52   | 90  | 107                | 79                | 96                 | 38         |
| <b>Small</b><br>92/97         | 62   | 100                                       | 108                | 79                | 106                | 40         |
| <b>Medium</b><br>102/107      | 72   | 110                                       | 109                | 79                | 116                | 42         |
| <b>Large</b><br>112/117       | 82   | 120                                       | 110                | 79                | 126                | 44         |
| <b>X-Large</b><br>122/127     | 92   | 130                                       | 111                | 79                | 136                | 46         |
| <b>XX-Large</b><br>132/137    | 102  | 140                                       | 112                | 79                | 146                | 48         |
| <b>XXX-Large</b><br>142/147   | 112  | 150                                       | 113                | 79                | 156                | 50         |

<sup>1</sup> Based on the seat/hip girth, in centimetres, of the intended wearer.

<sup>2</sup> To serve as a guideline only.

**Table 5 (b) – Size range: Trousers, LONG LENGTH**

| 1                             | 2  | 3   | 4                  | 5                 | 6                  | 7          |
|-------------------------------|--|---|--------------------|-------------------|--------------------|------------|
| Size designation <sup>1</sup> | Waist circumference (Relaxed) <sup>2</sup> | Nominal finished garment measurements, cm |                    |                   |                    |            |
|                               |  | Waist circumference (Extended)            | Outside leg length | Inside leg length | Seat circumference | Bottom hem |
| <b>X-Small</b><br>82/87       | 52   | 90  | 113                | 84                | 96                 | 38         |
| <b>Small</b><br>92/97         | 62   | 100                                       | 114                | 84                | 106                | 40         |
| <b>Medium</b><br>102/107      | 72   | 110                                       | 115                | 84                | 116                | 42         |
| <b>Large</b><br>112/117       | 82   | 120                                       | 116                | 84                | 126                | 44         |
| <b>X-Large</b><br>122/127     | 92   | 130                                       | 117                | 84                | 136                | 46         |
| <b>XX-Large</b><br>132/137    | 102  | 140                                       | 118                | 84                | 146                | 48         |
| <b>XXX-Large</b><br>142/147   | 112  | 150                                       | 119                | 84                | 156                | 50         |

<sup>1</sup> Based on the seat/hip girth, in centimetres, of the intended wearer.

<sup>2</sup> To serve as a guideline only.

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## 9. Make

Illustrations are not to scale and for guidance only, and unless inconsistent with the text, all measurements are nominal.

### 9.1 Jackets

#### 9.1.1 Foreparts

- ♦ of outer material and be single breasted
- ♦ have front facings
- ♦ slide fastener front fastening
  - sandwiched between the facing and front edge
  - top-stitched 8 mm along the front edges
  - to extend from the top edge of the collar to 30 mm above the bottom hem of the jacket
- ♦ left forepart to be fitted with embroidery
  - embroidered with embroidery thread
  - positioned as given in figure 4
  - the word “CREW” shall be embroidered with **luminescent embroidery thread** (see table 3)
  - of dimensions and design as given in figure 3
  - the backing material used behind the embroidery on the inside shall be neatly cut along the outline of the embroidery, leaving no unnecessary excess



Figure 3 – Dimensions and design of embroidery

#### 9.1.2 Sleeves

- ♦ of outer material
- ♦ long, one-piece set-in sleeves
- ♦ to be top-stitched 1 mm and 8 mm along the sleeve insertion seams
- ♦ fitted with a cuff
  - of double folded rib knitted fabric and of finished width 30 mm
  - seam to align with underarm seam of sleeve

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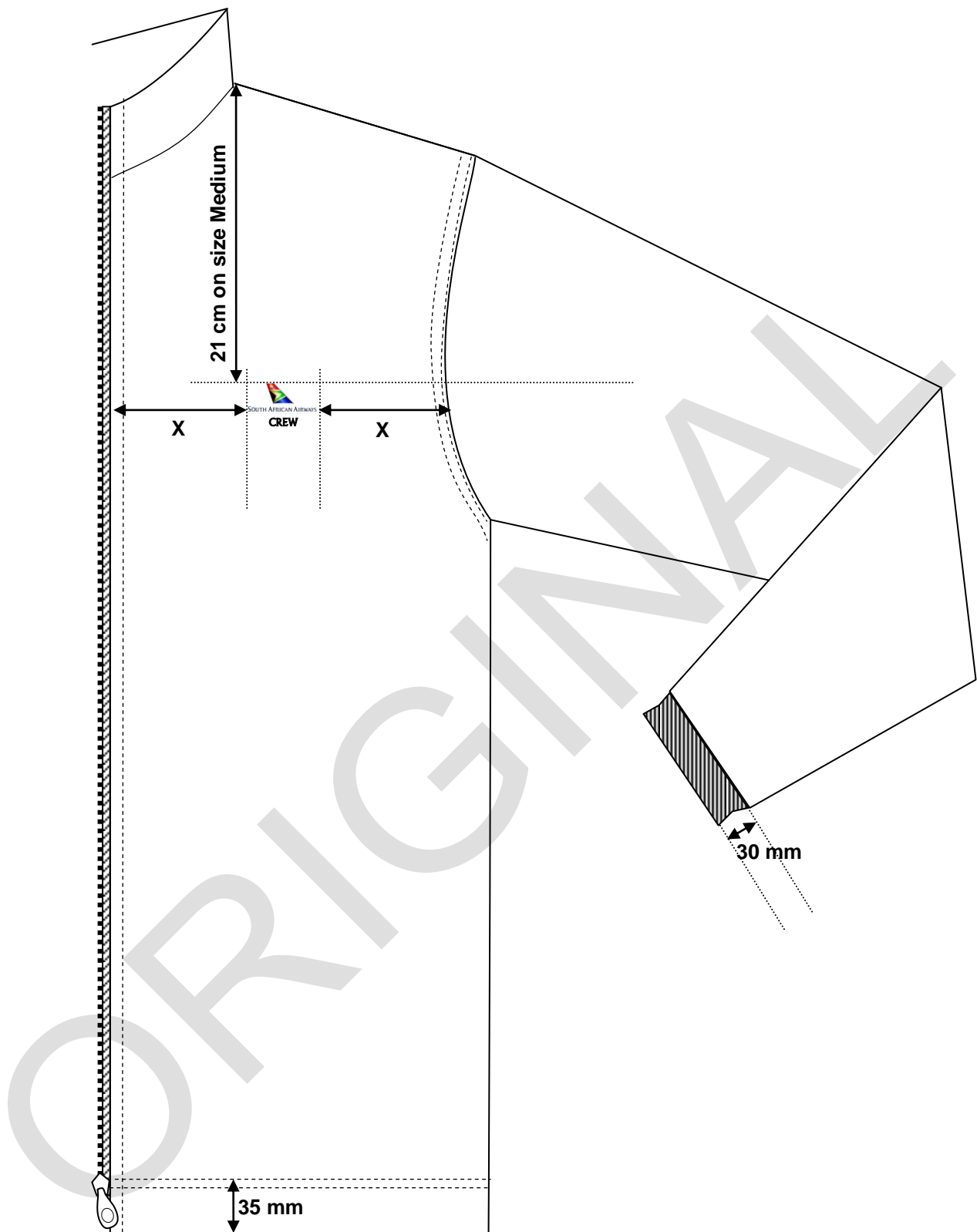


Figure 4 – Positioning of front embroidery

### 9.1.3. Facings

- ♦ of outer material
- ♦ interlined with interlining
- ♦ of finished width 30 mm at the shoulder seam, shaped to 85 mm at the gorge position and 35 mm at the bottom
- ♦ cut edges to be overlocked and left loose (not sewn down)

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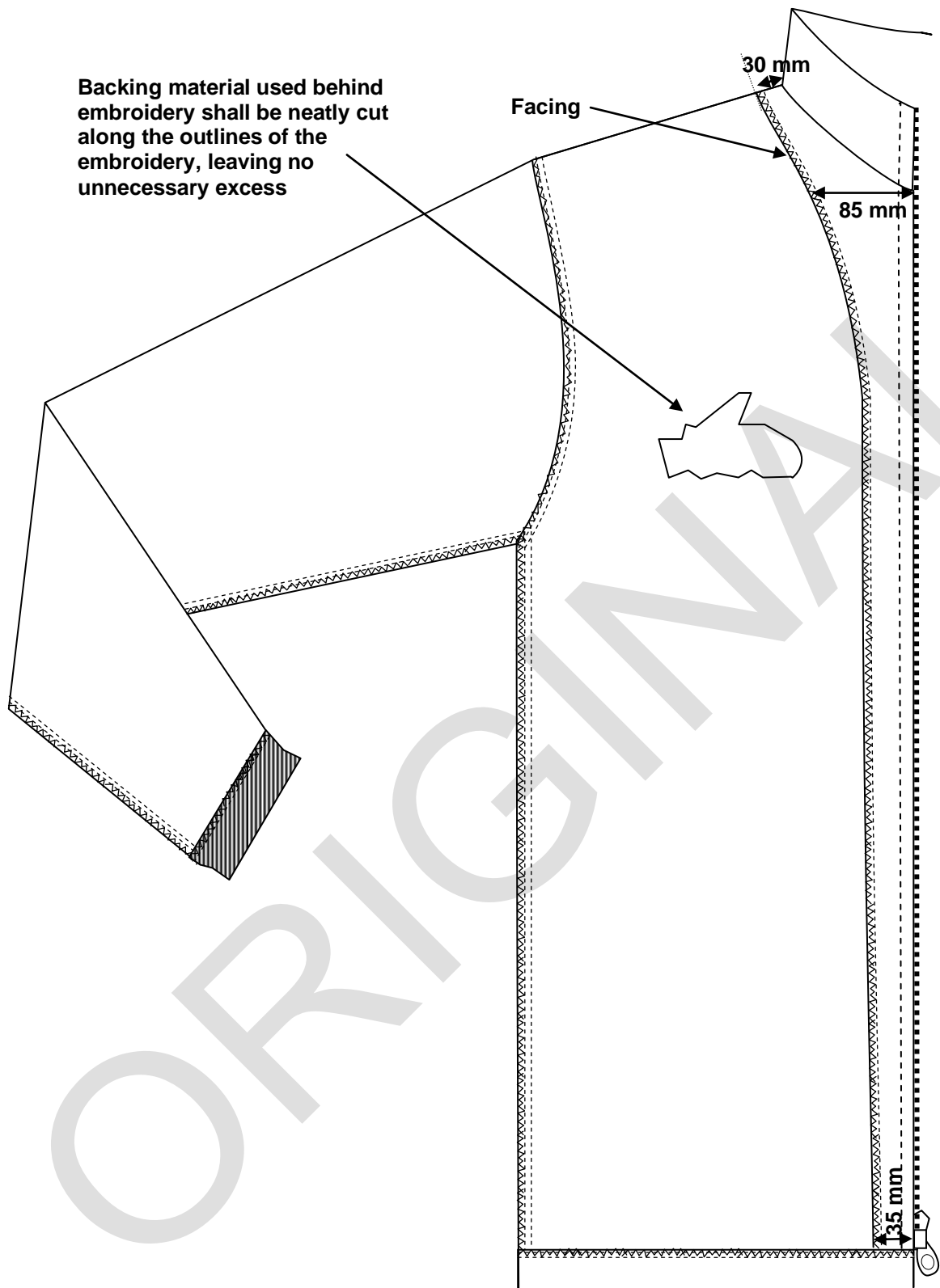


Figure 5 – Inside view of left forepart

#### 9.1.4 Back

- ◆ made from a single layer of outer material
- ◆ cut in such a way that the shoulder seams shall be positioned on the natural shoulder line
- ◆ top-stitched 1 mm and 8 mm along the shoulder seams
- ◆ top-stitched 8 mm along the back-neck-to-collar seam
- ◆ to be fitted with embroidery
  - embroidered with **luminescent embroidery thread** (see table 3)

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- single word, i.e. "CREW" in capital letters
- of dimensions and positioned as given in figure 6
- the backing material used behind the embroidery on the inside shall be neatly cut along the outline of the embroidery, leaving no unnecessary excess



**Figure 6 – Dimensions of embroidery on back**

### 9.1.5 Collar

- ♦ of outer material and lined with outer material
- ♦ stand-type collar
- ♦ shaped
- ♦ of finished depth 60 mm
- ♦ edge-stitched 8 mm along the front edges (form a continuation of the front edge top-stitching)

### 9.1.6 Bottom hem

- ♦ bottom hem to be of finished width 35 mm
- ♦ to be coverseamed

## 9.2 Trousers

### 9.2.1 Foreparts

- ♦ be cut in such a way that the waistband shall be grown-on (cut-in-one)
- ♦ each have a slanted side pocket
- ♦ have a pin-tuck
  - vertical
  - 2 mm deep
  - positioned along the crease line
  - extending from the top edge of the waistband to the bottom hem

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- ◆ have two buttonholes
  - shirt type
  - vertical
  - of finished length 20 mm
  - barred at both ends
  - neatly made
  - each to be positioned 15 mm from the centre front seam
  - centrally positioned between the stitching
  - neatly accommodating the protruding ends of the draw-cord

## 9.2.2 Waistband

- ◆ grown-on and folded to the inside and fitted with an appropriate length of elastic webbing
- ◆ of finished width 40 mm
- ◆ ruched with three rows of stitchings
  - first row to be 8 mm below top edge of garment
  - second row to be 30 mm below top edge of garment
  - third row to be 8 mm below second row
  - fitted with an appropriate length of draw-cord
    - ends of draw-cord to be knotted and sealed to prevent fraying
    - ends of draw-cord to protrude 50 mm from the buttonholes when the waist is extended
    - draw-cord to be enclosed between the first and second row of stitches
- ◆ raw edges to be overlocked
- ◆ fitted with hanger loops
  - to be an acceptable woven tape
  - of finished length 90 mm (double folded measurement)

## 9.2.3 Pockets

Each pocket mouth to:

- ◆ be slanted
- ◆ be positioned with the top edge 85 mm forward of the side seam when waist is extended
- ◆ be carried to the waist tunnel
- ◆ be of finished length 18 cm **(measured from below the stitching of the waist tunnel)**
- ◆ be stayed with staytape
- ◆ be top-stitched 8 mm from free edge
- ◆ be horizontally bar-tacked at both ends

The pocket bags to:

- ◆ be of outer material
- ◆ be swing type
- ◆ be of finished width 16 cm (measured from the lower bar-tack)
- ◆ be of finished depth 16 mm (measured below the lower bar-tack)
- ◆ form part of the waist tunnel (upper edges of pocket bags)

## 9.2.4 Backs

- ◆ backs to be plain

## 9.2.5 Bottom hem

- ◆ coverstitched
- ◆ of finished width 20 mm

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# 10. Stitches, Seams and Stitchings

## 10.1 Stitches

**hems:** coverstitch

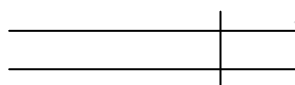
**Top-stitching and other stitches:** single needle lock stitch

**Main seaming:** four-thread overlocking stitch or safety stitch

## 10.2 Seams

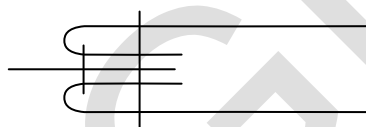
**Seams to be at least 10 mm wide (unless otherwise stated):**

**All main seams:** seam type SSa



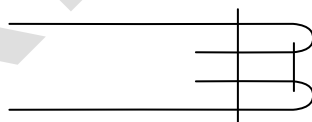
Superimpose two or more plies of material and seam with one row of stitches positioned at the specific distance(s) from the aligned edges.

**Attachment of stringers at front edges of jacket:** seam type SSq-3



Form seam Type SSa-1, using three or more plies of material. Then turn each outer ply back at the seam and seam with the appropriate number of rows of stitches.

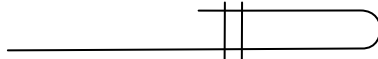
**Top edges of collar and side pocket mouth opening of trousers:** seam type SSe-2



Form seam Type SSa-1, using two plies of material. Then turn back each ply at the seam and seam through the turned edges with the appropriate number of rows of stitches.

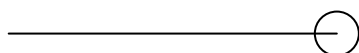
## 10.3 Stitchings

**Bottom hem of jacket and trousers:** stitching type EFa-2



Turn in the specified width at the edge of a ply of material, insert another layer of fabric and stitch the turned edge with the appropriate number of rows of stitches.

**All raw edges:** stitching type EFd



Stitch over the edge of a ply of material with one row of stitches.

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## 10.4 Number of stitches

The determination of sewing stitches per unit length will be done in accordance with SANS 5278 "Sewing stitches per unit length"

All seams and top-stitching:  $40 \pm 4$  per 10 cm

## 11. Garment labels

**NOTE:** Tender samples shall be fitted with a printed label displaying the manufacturer's name or trade mark and size.

### 11.1 Label identification

Each garment shall be fitted with the labels as given in table 6:

Table 6 – Label identification

| Type |  | Requirements |
|------|--|--------------|
| 1.   | a woven logo jacquard label                    | See 11.2     |
| 2.   | a woven jacquard size label                    | See 11.3     |
| 3.   | a garment specific printed woven fabric label* | See 11.4     |
| 4.   | a care-label*                                  | See 11.5     |
| 5.   | a paperboard swing tag                         | See 11.6     |

\*These two labels may be separate labels or a single loop label.

### 11.2 Jacquard label

Each label shall:

- ♦ be a woven jacquard label
- ♦ edges to be properly finished to prevent fraying
- ♦ information to be in legible and indelible block letters of height at least 3 mm
- ♦ permanently secured and sewn in with the collar seam
- ♦ be such that it shall outlast the garment
- ♦ include the following information:
  - the manufacturer's name or trade mark or both
  - the registered full-colour SAA logo at top of label (see figure below)



### 11.3 Jacquard size label

Each label shall:

- ♦ be a woven jacquard loop label
- ♦ edges to be properly finished to prevent fraying and be soft

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- ◆ information to be in legible and indelible block letters of height at least 3 mm
- ◆ sewn together with the side edge of the jacquard logo label
- ◆ be such that it shall outlast the garment

## 11.4 Printed garment labels

Each label shall:

- ◆ be white woven rayon label that is printed
- ◆ comply with SANS 1309 "Printed labels for textiles"
  - information to be in legible and indelible block letters of height at least 3 mm
- ◆ permanently secured and sewn in with the collar seam and back waistband (as relevant)
- ◆ be such that they outlast the garments (including the markings)
- ◆ include the following information:
  - the item number
  - order number
  - the year and month of manufacture
  - the VAT no of the contractor
  - the country of origin, i.e. "Made in the RSA"

## 11.5 Printed care-labelling

Each label shall:

- ◆ be white woven rayon label that is printed
- ◆ comply with SANS 1309 "Printed labels for textiles"
  - information to be in legible and indelible block letters of height at least 3 mm
- ◆ permanently secured to the side seam
- ◆ be such that they outlast the garments (including the markings)
- ◆ to provide appropriate care instructions (in accordance with SANS 10011 "Care-labelling of textile piece-goods, textile articles and clothing") in words and symbols
- ◆ provide the fibre composition of the fabric in accordance with the requirements of SANS 10235 "Fibre content labelling of textiles and textile products"

## 11.6 Printed swing tags

Each swing tag shall:

- ◆ be a white cardboard printed label
- ◆ information to be in legible and indelible block letters of height at least 3 mm
- ◆ include the following information:
  - the size designation
  - the item number
  - the item description
  - the month and year of manufacture
  - the order number

# 12. Packaging and marking of packaging

## 12.1 Packing

12.1.1 The tracksuits shall be:

- ◆ delivered in a commercially dry condition
- ◆ so packed that they will not be damaged in transit or in storage
- ◆ individually packed in a plastics envelope of suitable size and shape
- ◆ unless otherwise specified in the order or contract, acceptably packed for transportation in bulk containers

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### 12.1.2 Tracksuits:

- ♦ of the same size designation to be packed together in a bulk container (unless quantities ordered are such that packing together of the same size only is not justified)
- ♦ of different size designations may also be packed together to accommodate the last part of an order or contract

## 12.2 Marking

### 12.2.1 Plastics envelopes

Each envelope to be clearly marked with the following information:

- ♦ the item numbers
- ♦ the item description
- ♦ size designation
- ♦ the order number
- ♦ month and year of manufacture

### 12.2.2 Bulk containers

Each bulk container shall have a label securely attached to the outside. This label shall be visible when the containers are stacked and shall provide the information in legible and indelible markings as follows:

- ♦ the manufacturer's name or trade mark or both
- ♦ the order number or contract number
- ♦ the item description
- ♦ the item number
- ♦ the size designation
- ♦ the quantity of the item
- ♦ the **month and year** of manufacture
- ♦ the order number
- ♦ the box number, e.g. "1 of 5"
- ♦ the total mass of the packed container
- ♦ the Inspection Certificate Number

## 12.3 Additional marking

When so required by the South African Airways, tracksuits, plastics envelopes or containers (or any combination of these) to bear information additional to that specified above.

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## 13. Normative References

The following documents contain provisions which, through reference in this text, constitute provisions of this specification. All documents are subject to revision and, since any reference to a document is deemed to be a reference to the latest edition of that document, parties to agreements based on this specification are encouraged to take steps to ensure the use of the most recent editions of the documents indicated below. Information on currently valid national, international and CKS documents may be obtained from South African Bureau of Standards<sup>3</sup>.

**AATCC test method 20**, *Fiber analysis: Qualitative*. Available from World Wide Web:

[http://www.aatcc.org/Technical/Test\\_Methods/scopes/tm20.cfm](http://www.aatcc.org/Technical/Test_Methods/scopes/tm20.cfm)

**CKS 627**, *Fusible interlinings*.

**SANS 142**, *Narrow elastic fabrics and strip*.

**SANS 1261-3:2007**, *Performance requirements for retail textiles- Part 3: Piece-goods for men's and boys' wear*.

**SANS 1362**, *Sewing threads*.

**SANS 1822**, *Slide fasteners*.

**SANS 1833-1/ISO 1833-1**, *Textiles – Quantitative chemical analysis – Part 1: General principles of testing*.

**SANS 1833-11/ISO 1833-11**, *Textiles – Quantitative chemical analysis – Part 11: Mixtures of cellulose and polyester fibres (method using sulfuric acid)*.

**SANS 5385**, *Mass per unit area of conditioned knitted textiles*.

**SANS 10011**, *Care-labelling of textile piece-goods, textile articles and clothing*.

**SANS 10235**, *Fibre-content labelling of textiles and textile products*.

**SANS 10371**, *Terms and definitions for clothing*.

<sup>3</sup> **SABS: Tel. +27 (0) 12 4287911**  
**[www.sabs.co.za](http://www.sabs.co.za)**

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# ANNEX A

(Normative)

## Special conditions of tender

### A-1 GENERAL

**A-1.1** Unless otherwise stated, the Procurement Authority (or an organization deputed by it), shall be the inspecting authority.

***Any applications for deviations from drawings or the specification, or any laid down process, treatment or procedures as set out in this specification, must be made to the SA Airways and verified by the inspection authority. All applications must be submitted in writing.***

**A-1.2** Three pre-production sample tracksuits, shall have been inspected, tested and approved by the inspecting authority before bulk production is commenced. Each sample shall be accompanied by a trim chart containing a sample of each component material (as given in 6) and the relevant compliance certificates for all components as ***well as for the outer material used***. It shall be the duty of the manufacturer to give adequate notice to the inspecting authority of the availability of these samples.

**A-1.3** The tracksuits shall be subject to inspection during the course of manufacture. The inspector shall, during normal working hours, be given all reasonable facilities for carrying out his duties and shall have the right of entry into the contractor's factory and the factory or works of any subcontractor where work on tracksuits supplied to this specification may be in progress

**A-1.4** The contractor shall inspect the finished tracksuits for compliance with the specification before submitting them to the inspecting authority for final inspection.

**A-1.5** Before acceptance, the tracksuits shall have been inspected and tested by the inspecting authority and found to comply with the requirements of the specification.

### A-2 DOCUMENTATION

One container of each consignment shall be marked "DOCUMENTS" and in addition to the tracksuits, shall contain the following:

- a) The packaging slip or delivery note;
- b) where applicable the inspection certificate(s);
- c) a copy of the invoice containing the following information:
  - the order number
  - the financial authority number
  - a full description of the consignment, i.e. item number, quantity, etc

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## ANNEX B

(Normative)

### CKS 129 Colours

Due to the fact that colours can change over a period of time, any colour standard which has been registered for a period of SEVEN YEARS or more shall be considered obsolete. These standards shall then be allocated an archived status (as opposed to current status) and re-registration shall be required.

**NOTE:** Before fabric is sent to SABS for colour registration purposes, the successful bidder shall confirm with SABS whether a submission is required or not.

**A. The following scenarios require a submission of three metres of fabric from the successful tenderer:**

1. A colour standard is archived.
2. First time registration is required (CKS 129 colour number does not exist).
3. Colour swatch stock at the SABS is no longer available.

**B. Requirements for the submission of fabric as identified in A:**

1. The colour shall be as agreed upon between the South African Airways and the successful tenderer.
2. The fabric shall be used to make new colour swatches which shall be the responsibility of the SABS.
3. The cost of the three metres of fabric shall be incorporated in the relevant tender submission.

| HISTORY SHEET |               |   |         |       |
|---------------|---------------|---|---------|-------|
| DOC<br>ISSUE  | DATE          | AMENDMENTS/HISTORY  | CHECKED |       |
|               |               |   | NAME    | INIT. |
| 1             | May 2007      | First release   |         |       |
| 2             | December 2011 | Add "crew" embroidery on front and back   |         |       |
| 3             | August 2015   | Change depth of pocket on trousers<br>Amend font of embroidered design on foreparts<br>Amend font of embroidery on back jacket<br>Add requirement of backing material used on embroidery<br>Add paragraph about local content<br>Change chest, back width, depth of scye dimensions as per samples<br>Change measuring point of seat (if new method is used, the dimensions in the size chart can be achieved)<br>Insert table for outer material and ribbing<br>Change positioning of embroidery |         |       |
| 4             | August 2015   | Change dimensions of embroidery on front  |         |       |

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