# PRIVATE SPECIFICATION

prepared for the

# SOUTH AFRICAN NAVY

## SKIRTS, WOMEN

(Eveningwear, Black)

SABS
2011 -09- 16
TC 03

SAN 131

Revised September 2011

# 1. Scope

Tenderer's comments

This specification covers the material, cut and make of long skirts for female personnel of the South African Navy.

# 2. Definitions

**acceptable:** acceptable to the Directorate, Naval Logistics.

**nominal:** subject to the tolerances normal to good manufacturing practice.

# 3. Style

- ☐ A-line
- ☐ one piece-front with darts
- ☐ two-piece back with darts
- ☐ with pleat at centre back
- ☐ slide fastener closure at centre back
- ☐ sewn-on waistband
- ☐ button and buttonhole
- ☐ fully lined

# 4. Illustrations

Tenderer's comments

Tenderer's Comments

# 5. Materials - General

☐ The materials specified in 7 are to be supplied and used by the manufacturer

**A trim chart containing a sample of each component material (as given in 7) must accompany the pre-production samples**

# 6. Outer Material

**The outer material to:**

- a polyester-and-wool crepe fabric
- an acceptable match to colour no. 3409c – 2010 "SAN Poly/Wool Black for Uniforms" of CKS 129 "Colours for textiles"
- the assessment and stringing of defects, and the deductions to be made for strung and unstrung defects, shall be in accordance with SANS 10076-5, and based on the following LAQ's: 10 for pieces and 8 for a lot.

# 7. Component materials

Tenderer's comments

## 7.1 Interlining

☐ fusible non-woven interlining
☐ complying with the requirements of CKS 627 "Fusible interlinings"
☐ suitable for use in garments which may be washed or dry-cleaned

## 7.2 Lining

- to be an acceptable washable triacetate
- to comply with the relevant requirements for type L60T of SANS 1387-7 "Woven cotton and similar apparel fabrics – Part 7 Jacket linings"
- to be an acceptable colour match to the outer material

## 7.3 Slide fasteners

☐ to comply with the requirements for class B of SANS 1822 "Slide fasteners"
☐ one-way closed-end, with synthetic spiral
☐ to be of such a length that when open, the skirt shall be easily pulled over the hips
☐ the colour of the slide fastener shall be an acceptable match to the outer material

## 7.4 Buttons

☐ two-hole plastics
☐ dope-dyed
☐ fully impregnated
☐ nominal diameter of 15 mm
☐ colour to be an acceptable match to the colour of the outer material

## 7.5 Tape

☐ an acceptable tape of nominal width 6mm

## 7.6 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 buttonhole thread:

☐ polyester-and-cotton core-spun or
☐ spun polyester
☐ ticket No 80 in both cases

### overlocking thread:

☐ crimp-textured polyester
☐ ticket No 140

# 8. Workmanship

Tenderer's comments

### The skirts 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
- ☐ 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

# 9. Sizes

Tenderer's comments

## Skirt measurements:

| MEASURING POINT | | DESCRIPTION |
|---|---|---|
| A - A | Waist circumference | Measure at the top edge of the waistband with the button fastened and multiply by two. |
| B - B | Hip circumference | Measure across the width of the garment at hip level and multiply by two. |
| C - C | Length | Measure from the top edge of the waistband to the bottom edge of the garment. |
| D - D | Hem circumference | Measure across the width at the bottom hem of the garment and multiply by two. |

Table 1 - Size range

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|
| | | | Nominal finished garment measurements, cm | | | |
| NSN No. | Actual Body # Measurement, cm | Size Designation | Waist | Hip | Length | Hem Circum-ference |
| 8410-18-094-7607 | 77/102 | RR 97 (30) | 77 | 107 | 107 | 148 |
| 8410-18-083-8400 | 82/107 | RR 102 (32) | 82 | 112 | 108 | 153 |
| 8410-18-084-1803 | 87/112 | RR 107 (34) | 87 | 117 | 108 | 158 |
| 8410-18-082-0941 | 92/117 | RR 112 (36) | 92 | 122 | 109 | 163 |
| 8410-18-094-6558 | 97/122 | RR 117 (38) | 97 | 127 | 109 | 168 |
| 8410-18-087-9083 | 102/127 | RR 122 (40) | 102 | 132 | 110 | 173 |
| 8410-18-093-2384 | 107/132 | RR 127 (42) | 107 | 137 | 110 | 178 |
| 8410-18-086-9035 | 112/137 | RR 132 (44) | 112 | 142 | 111 | 183 |
| 8410-18-088-3072 | 117/142 | RR 137 (46) | 117 | 147 | 111 | 188 |
| 8410-18-079-0870 | 122/147 | RR 142 (48) | 122 | 152 | 112 | 193 |
| 8410-18-079-3857 | 127/152 | RR 147 (50) | 127 | 157 | 112 | 198 |

# EXAMPLE: 77/102 = 77cm Waist and 102cm Hip

**Tenderer's comments**

# 10. Make

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

Tenderer's comments

## 10.1 Fronts

☐ one piece
☐ two waist darts
- of finished length 80 mm
- positioned 80 mm from the side seams

## 10.2 Back

**Back to have:**

☐ two panels with one waist dart each
- of finished length 80 mm
- 10 cm from the side seams

♦ a centre back seam

Tenderer's comments

□ a slide fastener closure
- at centre back seam
- the spirals shall be concealed by the left back panel
- shall be such that when open, the skirt shall be easily pulled over the hips

♦ a vent
- of finished length 37,5 cm
- overlap to have a finished width of 80 mm
- lined with interlining
- with a left over right overlap
- overlap edges to be overlocked
- underlap to be overlocked and stitched down
- securely tacked at the top, over the full width of the vent

## 10.3 Waistband

♦ shall be cut separately
♦ shall consist of one forepart and two back parts
♦ of double outer material
□ interlined with interlining
□ of finished width 25 mm
□ top stitched all round
- 7 mm from the edges

□ shall fasten with button and buttonhole

## 10.4 Hem

☐ to be turned up, overlocked and blind-stitched
☐ of finished width 80 mm

## 10.5 Lining

Tenderer's comments

☐ shall correspond to the pattern of the skirt
☐ to be inserted into the waistband seam
☐ opening at top the of the back seam to correspond to the slide fastener and opening at the bottom to correspond to the slit
- raw edges to be overlocked and stitched down
  > hem of finished width 25 mm

☐ lining shall be 30 mm shorter than the skirt
☐ bottom hem shall be overlocked and stitched down
- of finished width 75 mm

## 10.6 Hanger loops

☐ to be an acceptable tape or lining fabric
☐ finished length of 90 mm
☐ secured with the waistband to skirt seam
- on the inside at each side seam

## 10.7 Inlays

☐ to be of finished width 30 mm
- on each side seam
- to facilitate alterations
- it shall extend through the waistband

## 10.8 Buttonholes

☐ one buttonhole
☐ gimped
☐ barred
☐ of finished length 20 mm
☐ centred in the left end of the waistband

## 10.9 Buttons

☐ one button
☐ securely sewn to the waistband
☐ corresponding to the buttonhole

# 11. Stitches, seams and stitchings

## 11.1 Stitches

**overlocking:** three thread overlocking stitch

**hemming:** blind stitch

**all other stitches:** single needle lock stitch

## 11.2 Seams

Tenderer's comments

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

**Waistband:** seam type BSr-3

Form seam type SSa-1, using a strip on a ply of material. Then turn the strip back at the seam, fold it round the edge of the ply, and seam with the appropriate number of rows of stitches.

**Other seams:** seam type SSa

Superimpose two or more plies of material and seam with the appropriate number of rows of stitches positioned at the specific distance(s) from the aligned edges

## 11.3 Stitchings

**all exposed raw edges:** stitching type EFd

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

**hems:** stitching type EFd followed by EFa

Turn in the specified width at the edge of a ply of material and stitch the turned edge with the appropriate number of rows of stitches

### 11.4 Number of stitches

**seaming:** 40 ∀ 4 per 10 cm

**overlocking:** 32 ∀ 4 per 10 cm

**buttonhole:** 12 ∀ 2 per 1 cm

**button:** 16 ± 1 per button

**blind stitching:** 32 ± 4 per 10 cm

# 12. Packing, care-labelling and marking

Tenderer's comments

## 12.1 Packing

**The skirts shall be:**

- ☐ delivered in a commercially dry condition
- ☐ so packed that they will not be damaged in transit or in storage
- ☐ neatly folded and individually packed in a plastics envelope of suitable size and shape
- ☐ unless otherwise specified in the order or contract, acceptably packed (in units of 10) for transportation in bulk containers that comply with the requirements of RSA-MIL-SPEC 296 "Corrugated board boxes for clothing"

**Skirts:**

- ☐ 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 Care-labelling

- ☐ Each garment to have a woven or printed label that is permanently secured and that provides (in accordance with SANS 10011 "Care-labelling of textiles and clothing") correct and appropriate care instructions and the fibre composition of the fabric (in accordance with the requirements of SANS 10235 "Fibre-content labelling of textiles and textile products" )
- ☐ printed labels to comply with the requirements of SANS 1309 "Printed labels for textiles"
- ☐ all care-labels and their markings to be such that they outlast the garments.

## 12.3 Marking

### 12.3.1 Skirts:

**Each garment to have, secured to the waistband at the back a woven fabric label that complies with the requirements of SANS 1309 "Printed labels for textiles", and provides the following information in legible and indelible block letters of height at least 3 mm:**

- ☐ the manufacturer's name or trade mark or both
- ☐ the size designation
- ☐ the NSN number
- ☐ the year of manufacture
- ☐ the VAT no. of the manufacturer
- ☐ the country of origin

### 12.3.2 Envelopes

**Each envelope to be clearly marked with the following information:**

- ☐ the designation, i.e. "Skirts, women, evening wear, balck"
- ☐ the size designation
- ☐ the NSN number

### 12.3.3 Containers

**Each bulk container shall comply to RSA-MIL-SPEC-296 "Corrugated board boxes clothing" and shall have the following information:**

Tenderer's comments

- ☐ the manufacturer's name or trade mark or both
- ☐ the size designation
- ☐ the designation, i.e. "Skirts, women, evening wear, balck"
- ☐ the NSN number
- ☐ the year of manufacture
- ☐ the VAT no. of the manufacturer
- ☐ the country of origin
- ☐ the quantity and mass
- ☐ the number of containers eg. 4 of 20

## 12.4 Additional marking

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

# 13. Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this specification. All standards are subject to revision and, since any reference to a standard is deemed to be a reference to the latest edition of a standard, parties to agreements based on this specification are encouraged to take steps to ensure the use of the most recent editions of the standards indicated below. Information on currently valid national and international standards may be obtained from Standards South Africa.

**RSA-MIL-SPEC-296**, *Corrugated board boxes for clothing.*

**CKS 129**, *Colours of textiles.*

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

**SANS 1309**, *Printed labels for textiles.*

**SABS 1362**, *Sewing threads.*

**SANS 1387-7**, *Woven cotton and similar apparel fabrics Part 7: Jacket linings.*

**SANS 1822 (SABS 1822)**, *Slide fasteners.*

**SANS 10011 (SABS 011)**, *Care-labelling of textiles and clothing.*

**SANS 10235 (SABS 0235)**, *Fibre-content labelling of textiles and textile products.*

# Annex A
(normative)

# Special conditions of tender

## General

**A-1** Unless otherwise stated, the South African Bureau of Standards shall be the inspecting authority.

**A-2** Three pre-production sample skirts, shall have been inspected, tested and approved by the inspecting authority before bulk production is commenced. Each one of these samples shall be accompanied by a trim chart containing a sample of each component material (as given in 7) and the relevant certificates. It shall be the duty of the manufacturer to give adequate notice to the inspecting authority of the availability of these samples.

**A-3** The skirts 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 skirts supplied to this specification may be in progress.

**A-4** The contractor shall inspect the finished skirts for compliance with the specification before submitting them to the inspecting authority for final inspection.

**A-5** Before acceptance, the skirts shall have been inspected and tested by the inspecting authority and found to comply with the requirements of the specification.

**A-6** 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 Navy Office, Pretoria.

## Documentation

One container of each consignment shall be marked "Documents" and shall, in addition to the skirts, contain the following

1) The packing slip/delivery note;
2) where applicable, the certificate(s) of conformance; and
3) a copy of the invoice containing the following:
   a) The order number
   b) The financial authority number
   c) a full description of the consignment, i.e. items, size(s), quantity, etc.

## REVISION HISTORY:

| Date Revised | Description of Amendment |
|---|---|
| September 2011 | Size Chart Amended and specification reviewed to include reference to the SANS 10076-5 Assessment of Defects in Textiles |
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