



Royal Canadian Mounted Police  
Gendarmerie royale du Canada

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## Specification

### Overalls, Blue

This document has 19 pages including the drawings.

This document was created in English.

The document is available in English and French.

English/Anglais  
Français/French

The photograph on this page is for reference only.



## Modifications

<b>Date</b>	<b>Para. No's</b>	<b>Modifications</b>
1979-05-10		Original Specification.
1980-09-03	Page 6	Add Para. 4.3.10
1983-06-15	Scale of Measurements	Rise Dimension Added.
1985-02-12	Page 6, Para. 4.3.9	Marking made to reflect bilingualism.
1988-10-25	Page 4, Para. 4.3.2.1	Seam outlet extended.
1990-09-19	Size Chart	Sizes changed.
1994-04-28	Scaled of Measurements	Amended
2004-06-18	Entire spec  Para. 2.3, 2.4 Para. 2.5 Para. 2.6- 2.9 Para. 4.1.3 Para. 4.1.4.1-4.1.4.4 Para. 4.1.5.1-4.1.5.3 Para. 4.1.6.1-4.1.6.2 Para. 4.1.8 Para. 4.3.2.2 Para. 4.3.2.3 Para. 4.3.8 Para. 6.1 Table I Scale of Measurements	Nomenclature for sealed sample changed to viewing sample. Update CAN/CGSB standards. Obsolete. Added specification and standards. Change information. Added information. Update CAN/CGSB. Standards. Changed information. Changed information. Clarified information. Machine stitched replaces hand stitched. Clarify seat seam measurement. Remove “one’s own testing facilities”. Change requirements. Added tolerance for Rise, added size 46 in all height groups.
2005-07-05	Para. 4.3.2.1 Para. 4.3.2.3 Dwg. 3	Hem facing details added. Elastic position adjusted. Altered foot strap & hem facing detail.
2014-01-10	Specification Para. 2.4- 2.9  Para, 4.1.2 Para. 4.1.3, 4.1.4.1, 4.1.4.2, 4.1.4.3& 4.1.4.4	Formatting updated. Deleted thread standard. Replaced Braid standard referencing RCMP specification 1045-352 and re-numbered balance of specifications. Referenced RCMP specification. Merged paragraphs and referenced documentation required as per Appendix A. Re-numbered paragraphs.

	<p>Para. 4.1.4.1, 4.1.4.2 &amp; 4.1.4.3</p> <p>Para. 4.1.6</p> <p>Para. 4.1.8</p> <p>Para. 4.1.9</p> <p>Para. 4.3.9 &amp; 4.3.10</p> <p>Appendix A</p>	<p>Updated thread requirements and added Certificate of Compliance.</p> <p>Added paragraph for buttonhole construction.</p> <p>Added Certificate of Compliance requirement.</p> <p>Added hook and eye detail and certificate of compliance requirement.</p> <p>Updated Marking and cleaning labels and Identification labels.</p> <p>Added Certification of Compliance definition and evaluation criteria.</p>

## **RCMP VIEWING SAMPLE**

A viewing sample, when available, will be supplied to the successful tenderer.

This will be used for the guidance of the manufacturer in all factors not covered by this specification or referred to therein. Variation from the specification may appear in the sample in which case the specification shall govern.

It may be obtained from:

Royal Canadian Mounted Police  
ATTN: Uniform and Equipment Program  
(440 Coventry Road, Warehouse Building)  
1200 Vanier Parkway  
Ottawa, Ontario  
K1A 0R2

It will be sent “prepaid” and is to be returned “prepaid”.

The viewing sample shall be returned to the RCMP in the same condition as received by the manufacturer. Lost or damaged viewing samples shall be replaced by an identical item or the RCMP shall be reimbursed for the cost of an acceptable replacement.

**SPECIFICATION****OVERALLS, BLUE****1. Definition**

- 1.1 This specification shall govern the manufacture and inspection of Overalls, Blue.
- 1.2 This specification, viewing sample, drawing or other information issued in connection therewith, may only be used for specific enquiries, tenders, or orders placed on behalf of the Royal Canadian Mounted Police.
- 1.3 This specification supersedes all previous specifications for RCMP Overalls, Blue.

**2. Applicable Specifications**

- 2.1 The following publications are applicable to this specification and to the issues in effect on the date of the invitation to tender, unless otherwise specified.
- 2.2 RCMP, G.S.1045-115, Cloth, Wool, Polyester
- 2.3 CAN/CGSB 4.131-93, Thread, Polyester.
- 2.4 RCMP, G.S.1045-352, Cloth, Braid, Wool.
- 2.5 ISO 4915, International Standard for Textiles – “Stitch Types”
- 2.6 ISO 4916:1991, International Standard for Textiles – “Seam Types”
- 2.7 CAN/CGSB 86.1-2003 Care Labelling of Textiles

**3. General Requirements**

- 3.1 The article or material covered by this specification shall be free from imperfections or blemishes such as may affect its appearance or serviceability. In

all particulars not covered by this specification or contract documents, production shall be equivalent in all respects to the viewing sample.

- 3.2 **Design** - This overall, designed with a yellow stripe, shall have two watch pockets and a fly front with slide fastener. The Overalls, Blue shall be constructed from material purchased from the RCMP and shall conform to the attached drawings, and viewing sample which are part of this specification.
- 3.3 In the event of any inconsistency in contract documents, specification, drawing, or viewing sample, the aforementioned shall prevail in the following order:
- i) Contract
  - ii) Specification
  - iii) Drawings
  - iv) Viewing Sample

#### 4. **Detail Requirements**

##### 4.1 **Materials**

4.1.1 **Shell** - Shall be made of Cloth, Wool, Polyester of approved shade, meeting the requirements of RCMP Specification G.S. 1045-115.

**Shall be purchased from the RCMP.**

4.1.2 **Stripes** – Shall be made of Cloth, Wool Braid, 44 mm wide, colour yellow of approved shade meeting the requirements of RCMP, G.S.1045-352.

**Shall be purchased from the RCMP.**

4.1.3 **Pocket, Waistband, Fly & Crotch Lining** - The lining shall be black in colour or shall match the shell material, and shall meet the requirements outlined in Table 1 forming part of this specification..

**See Appendix A and Certification and Evaluation Criteria for required documentation.**

##### 4.1.4 **Sewing Thread**

4.1.4.1 **Seams and Stitching** - Shall be polyester wrap, polyester core, Tex 40, Class B of matching colour, meeting CAN/CGSB 4.131-93.

**Certification of compliance must be provided.**

- 4.1.4.2 **Buttonholes and Bar-Tacks** - The buttonhole and bar-tack thread shall be polyester wrap, polyester core, Tex 40, Class B of matching colour, meeting CAN/CGSB 4.131-93.  
**Certification of compliance must be provided.**
- 4.1.4.3 **Buttons** - Shall be polyester wrap, polyester core, Tex 40, Class B of matching colour, meeting CAN/CGSB 4.131-93.  
**Certification of compliance must be provided.**
- 4.1.5 **Buttons**
- 4.1.5.1 **Suspender and Outside Buttons on Yellow Stripes** - The buttons shall be four hole, 17 mm, plastic composition buttons in black or of matching shade.
- 4.1.5.2 **Waistband Slide Fastener Support and Watch Pocket Buttons** - The watch pocket buttons shall be four hole, 14 mm, plastic composition buttons in black or of matching shade. The waistband slide fastener support shall be four hole, 14 mm, plastic composition flat button in black or of matching shade.
- 4.1.6 **Buttonholes** - Buttonholes shall be eyelet type, gimp reinforced, with a bar tacked or fish-tailed end and having a minimum of 28 stitches per inch or 11.2 stitches per centimetre. The buttonholes may be “cut first” or “cut after”, and shall fit a button as specified in 4.1.5. When “cut after” buttonholes are used, the cut shall be clean, close to the stitches so they are equal in appearance to the “cut first” buttonholes.
- 4.1.7 **Elastic** - Black elastic of good quality, 25 mm in width. The stretch and recovery requirements shall be similar in all respects to the viewing sample.
- 4.1.8 **Slide Fastener (Front Fly)** - Shall be a closed ended, brass slide fastener with Y type teeth and a 4.5 mm chain width. The slide fastener shall come complete with one bottom stop and a minimum of one top stop. There shall be a semi-locking slider with stainless steel locking pin, and brass pull tab. The tape shall be comprised of a polyester yarn and shall be black in colour. YKK YGC-459½ is known to meet this requirement.  
**Certification of compliance must be provided.**
- 4.1.9 **Hook & Eye** - Shall be made of steel components, nickel plated on the outside and zinc plated on the inside with a glossy finish. YKK Elite brand part number HE10, HE50, HH10, HH50.  
**Certification of compliance must be provided.**

- 4.2 **Size and Dimensions** - Overalls, Blue, to this specification shall be supplied in the sizes specified by the RCMP and to the dimensions given in the scale of measurements attached and forming part of this specification.
- 4.3 **Construction**
- 4.3.1 **Stitching** - All stitching shall be lock or lockchain stitch. There shall be not less than 4 or more than 5 stitches per cm. The beginning and ending of all stitching shall be securely backstitch tacked, unless secured by other stitching.
- 4.3.2 **Legs**
- 4.3.2.1 The legs shall be tight fitting, with self-faced bottoms and elastic foot straps. The bottom of the leg shall have a facing 57 mm wide to form a hem which shall be stiffened with rubberized tissue, shaped and finished in accordance to the viewing sample. The elastic foot straps shall be placed between the facing and the leg. The facing shall be one piece with the seam at the inside seam. The facing shall be stitched to the leg and edge stitched on the facing with a 3 mm gauge. The top of the hem facing shall be blind stitched hemmed with clear thread. There shall be a total of 33 mm on the back outlet including seam allowance extending all the way downwards from the crotch on the inside leg seam.
- 4.3.2.2 **Leg Shaping** - Each leg must be shaped by drawing in (shrinking) and stretching the fabric in accordance to the diagram. The reference line shows the manipulation of the fabric and how it will appear after pressing. The front panel above the knee is curved and stretched out away from the side seam and the back panel is shrunk and drawn in towards the side seam. The front panel below the knee is shrunk and drawn in towards the side seam and the back is stretched and curved out away from the side seam.
- 4.3.2.3 The elastic foot straps, each cut 16 cm in length and finished to 11 cm in length, as specified in Para. 4.1.7 shall be positioned as per drawing #3. The 2.5 cm overlaps shall be positioned forward of the side seams towards the front at the bottom of the hem as per viewing sample.
- 4.3.3 **Stripes** - The yellow stripes, specified in Para. 4.1.2, shall be centred over the side seams extending from the top of the waistband throughout the full length of the leg and stitched using a 1.5 mm gauge.



- 4.3.4 **Waistband** - The sewn-on waistband shaped in accordance with the drawing, shall be 5 cm deep in front and 8 cm deep at the widest part of the back. The waistband shall be reinforced with fabric specified in Table I, and have canvas applied the full width and length of the waistband. There shall be six 17 mm buttons, specified in Para. 4.1.5.1, on the outside, one on each yellow stripe level with the waistband seam. The other buttons shall be placed as per the viewing sample. The top front of the waistband above the fly shall be equipped with a metal hook and clasp as specified in paragraph 4.1.9.
- 4.3.5 **Pockets** - There shall be two watch pockets, 11 cm wide and 13 cm deep, (finished dimensions), one on each side of the front, immediately below the waistband, in accordance with the drawing. Each pocket shall have a buttonhole of suitable size and a 14 mm button specified in Para. 4.1.5.2. All pockets shall be bar-tacked.
- 4.3.6 **Fly** - The fly front, lined with fabric specified in Table I, shall be equipped with a slide fastener, specified in Para. 4.1.8, that shall be supported by a button sewn to the underside of the left portion of the opening and a corresponding buttonhole at the front of the fly curtain, in accordance with the viewing sample. The bottom of the fly opening shall be bar-tacked.
- 4.3.7 **Crotch Lining** - The forepart of the crotch shall be lined with a triangular 2-ply piece of lining as specified in Table I, of the shape and dimensions shown in the drawing.
- 4.3.8 **Seams** - The seat seam shall be double lockchain stitched (type 401) and finished so that any alterations of the waistband can be carried out without opening the waistband. The seat seam shall have an outlet of at least 25 mm per side measured 28 cm below the top of the waistband at centre back increasing to 50 mm per side at the top of the centre back waistband. The top of the seat seam shall be bar-tacked and all seams shall be serged.
- 4.3.9 **Marking & Cleaning Instructions Label** - Each overall shall have a durable label affixed to the back of the waistband, with the following information in English and French:

Where the word '*insert*' appears, enter only the information requested. (Example: *Insert: Size/Taille*, enter 34R)

<i>Insert:</i> RCMP OVERALLS BLUE	PANTALON FUSEAU BLEU DE LA GRC
Steam iron - medium	Repassage à vapeur - à température moyenne
Dry clean only	Nettoyage à sec seulement
<i>Insert the Date of Manufacture (Numeric format: i.e. 2011-01)</i>	
<i>Insert the Manufacturer's Identification</i>	
<i>Insert the Size</i>	
<i>Insert the RCMP Stock Number</i>	

4.3.10 **Identification Label** - Each trouser shall have a durable blank label 7.5cm x 2cm applied separately beside or below the marking and cleaning label into the back of the waistband used for the inscription of the wearer's name.

## 5. **Delivery, Packing and Marking of Containers**

5.1 Unless otherwise specified the items shall be delivered to the Commissioner, RCMP, Uniform and Equipment Program, Ottawa, Ontario, free of transportation charges, provincial tax where applicable.

5.2 Packing and marking of shipping containers shall be as specified in the invitation to tender.

5.3 A packing slip shall be enclosed showing contents of each shipment.

## 6. **Quality Assurance Provisions**

6.1 **Responsibility for Inspection** - Unless otherwise stipulated in the contract, it is the prime contractor's responsibility to satisfy the RCMP, Uniform and Equipment Program that the material and services being supplied conform to this specification. This may be accomplished by performing the tests specified in this specification or by demonstrating to the satisfaction of the RCMP, Uniform and Equipment Program that conformity to this specification of manufacturing processes is assured. The contractor may use any independent commercial testing establishment acceptable to the RCMP, Uniform and Equipment Program.

6.2 The RCMP, Uniform and Equipment Program reserves the right to perform any inspection considered necessary to ensure the material and services conform to the specified requirements. For the purpose of inspection, a portion of each delivery not exceeding two percent may be put to tests that could destroy the

articles. If found to be inferior or not in accordance with this specification, all articles so destroyed shall be replaced by others of proper quality and pattern at the expense of the contractor. The entire delivery may also be rejected if it is found that articles previously rejected due to non-repairable defects are redelivered for inspection.

- 6.3 The contractor will be promptly notified when any articles are not accepted and such articles will be returned at the contractor's risk and expense.

**SCALE OF MEASUREMENTS OVERALLS, BLUE**

SIZE DESIGNATION		BODY MEASUREMENTS		GARMENT MEASUREMENTS							
Height	Size Inches	Waist cm	Seat cm	Waist cm	Seat cm	Inseam cm	Outseam to <u>Top</u> of Waistband cm	Rise cm	Knee cm	Calf cm	Bottom cm
<b>SHORT</b> 160 - 169  5'3" - 5'6"	30 S	76	94	76	96	79	110	31	46	45	43
	32 S	81	99	81	102	79	110	31	46	45	43
	34 S	86	103	86	105	79	110	31	47	46	44
	36 S	91	107	91	109	79	112	33	47	46	44
	38 S	96	110	96	113	79	112	33	48	47	45
	40 S	102	114	102	117	79	113	34	48	47	45
	42 S	107	119	107	122	79	113	34	49	48	46
	44 S	112	124	112	127	79	114	35	49	48	46
	46 S	117	129	117	132	79	114	35	50	49	47
<b>REGULAR</b> 170 - 179  5'7" - 5'10"	30 R	76	94	76	96	81	113	32	46	45	43
	32 R	81	99	81	102	81	113	32	46	45	43
	34 R	86	103	86	105	81	114	33	47	46	44
	36 R	91	107	91	109	81	116	35	47	46	44
	38 R	96	110	96	113	81	117	36	48	47	45
	40 R	102	114	102	117	81	117	36	48	47	45
	42 R	107	119	107	122	81	118	37	49	48	46
	44 R	112	124	112	127	81	118	37	49	48	46
	46 R	117	129	117	132	81	119	38	50	49	47
TOLERANCES ±				13 mm	13 mm	6 mm	6 mm	2 mm	6 mm	6 mm	6 mm

**NOTE:** All measurements are in centimeters unless otherwise indicated.

SIZE DESIGNATION		BODY MEASUREMENTS		GARMENT MEASUREMENTS							
Height	Size Inches	Waist cm	Seat cm	Waist cm	Seat cm	Inseam cm	Outseam to <u>Top of Waistband</u> cm	Rise cm	Knee cm	Calf cm	Bottom cm
<b>TALL</b> 180 - 189  5'11" - 6'2"	30 T	76	94	76	96	84	117	33	46	45	43
	32 T	81	99	81	102	84	117	33	46	45	43
	34 T	86	103	86	105	84	117	33	47	46	44
	36 T	91	107	91	109	84	118	34	47	46	44
	38 T	96	110	96	113	84	118	34	48	47	45
	40 T	102	114	102	117	84	119	35	48	47	45
	42 T	107	119	107	122	84	119	35	49	48	46
	44 T	112	124	112	127	84	121	37	49	48	46
	46 T	117	129	117	132	84	121	37	50	49	47
<b>X-TALL</b> 190 - 199  6' 3" - 6' 6"	30 XT	76	94	76	96	89	122	33	46	45	43
	32 XT	81	99	81	102	89	122	33	46	45	43
	34 XT	86	103	86	105	89	122	33	47	46	44
	36 XT	91	107	91	109	89	123	34	47	46	45
	38 XT	96	110	96	113	89	123	34	48	47	45
	40 XT	102	114	102	117	89	124	35	48	47	45
	42 XT	107	119	107	122	89	124	35	49	48	46
	44 XT	112	124	112	127	89	126	37	49	48	46
	46 XT	117	129	117	132	89	126	37	50	49	47
TOLERANCES ±				13 mm	13 mm	6 mm	6 mm	2 mm	6 mm	6 mm	6 mm

**NOTE:** All measurements are in centimeters unless otherwise indicated.

**TABLE 1**

	SPECIFICATION	TESTED BY CAN-2-4.2
Weave	Plain	Method 4
Mass	150 to 170 g/m <sup>2</sup>	Method 5A
Width	150 cm (min.)	Method 4
Yarns per cm	Warp 39 (min.) Weft 21 (min.)	Method 6 Method 6
Breaking Strength	Warp 537 Newtons (min.) Weft 220 Newtons (min.)	Method 9.2 Grab Method 9.2 Grab
Stability to Washing	Warp 2% (max.) Weft 2% (max.)	Method 24.1 Method 24.1
Colour Fastness (Dyed shades only)		
Washing	Grey Scale 4 (min.)	Method 19.1 (Test 2)
Light	L-4 (min.)	Method 18.1
Perspiration	Grey scale 4 (min.)	Method 23
Crocking	Dry 4 (min.) Wet 4 (min.)	Method 22 Method 22
Pilling	3% (max.)	Method 51.1
Crease Recovery	70%	Method 45
Non-Fibrous Material	3.1% (max.)	Method 15
Fibre Blend	Polyester 65% ± 3% Cotton 35% ± 3%	
End Uses	Uniform Shirts, Trouser Linings and Pocketing	

**Note:** For information purposes, Doubletex “Calypso” and “Bounty Set US” 65/35 Poly/cotton and meets this Specification. Other Manufacturers’ fabrics shall be acceptable provided test data is submitted to verify compliance. The colour shall match the Trouser shell material.

## **APPENDIX A**

### **Certification & Evaluation Criteria**

Appendix A contains definitions of compliance and certification requirements for all materials specified in this document. The evaluation criteria is a reference list and shall be used by RCMP Uniform & Equipment Program Section to ensure all documentation is received and meets the requirements outlined in this specification.

#### **Definitions:**

**Certification of compliance:** Compliance certification documents shall be based on testing from a raw goods manufacturer from an in-house or independent, third-party accredited laboratory acceptable to the RCMP to verify performance requirements as specified in this specification or where indicated an invoice from the raw good manufacturer is also acceptable.

**Test Report:** Test report documents shall include the test method, test conditions and test results performed by an independent, third-party accredited laboratory acceptable to the RCMP to verify requirements as specified in this specification.

All certificates and test reports that verify the performance of materials used in manufacturing the finished item shall be retained by the manufacturer and shall be made available to ensure that all items meeting the requirements have completed all of the testing and certification required by this specification. Failure to provide the requested documentation shall be cause for rejection. Failure to meet the requirements when tested by the RCMP Uniform & Equipment Program Section shall be cause for rejection.

### Certification & Evaluation Criteria

Para. Title/Test	Certification of Compliance	Test Report	Pass/Fail
Thread (Para. 4.1.4.1, 4.1.4.2 & 4.1.4.3)	Required		
Slide Fastener (Para. 4.1.8)	Required		
Hook & Eye (Para. 4.1.9)	Required		
<b>TABLE I</b>			
Fibre Content	Required	*Required if applicable	
Mass	Required	*Required if applicable	
Yarns per cm	Required	*Required if applicable	
Breaking Strength - Grab Method	Required	*Required if applicable	
Dimensional Change in Domestic Laundering (cool wash 40°C)	Required	*Required if applicable	
Colour Fastness - Washing	Required	*Required if applicable	
Colour Fastness - Light	Required	*Required if applicable	
Colour Fastness - Perspiration	Required	*Required if applicable	
Colour Fastness - Crocking	Required	*Required if applicable	
Pilling	Required	*Required if applicable	
Crease Recovery	Required	*Required if applicable	
Non-Fibrous Material	Required	*Required if applicable	

**Note:** \* “Required if applicable” refers to testing required to verify compliance when alternate product is used.