



Technical Specification for HOUSEHOLD CAVALRY STATE TRUMPET BANNERS

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PREFACETABLE 1 – PRODUCT LIST

Item Name	State Trumpet Banners
Nato Stock Number (NSN)	8345-99-125-0997
Pattern No(s)	19681
Development File No	

Any colour shown in this document is for representation and must not be used for colour matching.

IPR STATEMENT

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TABLE 2 – ISSUE RECORD

Issue No	Comments	Issue Date
02	New Format for DE & S Technical Specifications.	25 July 2007
01	New Specification	14 September 2004

PART 11. THE PRODUCT

- a. Use of the Product. One pair of Trumpet Banners, (Figure 1) complete with three red morocco leather straps (Figure 2) for fastening banner to trumpet. To be used with cords and tassels Nato Stock Number 7720-99-125-0992 by State Trumpeters of the Household Cavalry Mounted Regiment on State occasions.

FIGURE 1. State Trumpet Banner

TABLE 3 – RELATED SPECIFICATIONS AND DOCUMENTS

Specification/Document	Detail
BS EN ISO105 Part B02 Part E01 Part X12	Textiles. Tests for colour fastness. Colour fastness to artificial light, Xenon arc fading lamp test. Colour fastness to water Colour fastness to rubbing
BS EN ISO 1139	Designation of yarns.
BS EN ISO 2060	Textiles. Yarns from packages. Determination of linear density (mass per unit length) by skein method Textiles.
BS EN 1049 Part 2	Textiles. Woven Fabrics. Construction. Method of Analysis. Determination of Number of Threads per Unit Length.
BS EN 1773	Textiles. Fabrics. Determination of Width and Length.
BS EN 12127	Textiles. Fabrics. Determination of mass per unit area using small samples.
UK/SC/3933	Braid, Cord, Lace and embroidery: Metal Gold and metal Silver.
UK/SC/4687	Embroidered and other Distinguishing Items and Components used therein.
DEF STAN 81-89	Paper Tissue Wrapping.
Shade Card for Silk Embroidery Threads	Available from DC IPT, Pattern Number 9561

2. PATTERNS

a. Master Patterns. The DC IPT at Caversfield holds a Master Pattern for this product. Potential contractors may view the pattern on site by arrangement with the DC IPT Commercial Department.

b. Standard Patterns. A Standard Pattern may be obtained from the DC IPT Technical Information Office and may be used to provide the criteria for all materials, components and manufacturing features not fully defined in this specification.

PART 23. PRODUCT DESIGN

- a. Product Description. State Trumpet Banner. An embroidered and appliquéd design on Crimson Damask background. All elements of the embroidery and applique are to strictly match in colours and materials to the Standard Pattern.

TABLE 4 – PRODUCT COMPONENTS

4.1 Main Material, Ground Cloth.	<ul style="list-style-type: none"> • Cloth Silk, Damask Crimson Nato Stock Number 8305-99-973-0920 Pattern No 8616A • Length of material required 100cm per pair of banners. • Colour fastness requirements as per Table 12.
4.2 Material applique	<ul style="list-style-type: none"> • Cloth Silk, Super Lute Empire Blue Nato Stock Number 8305-99-973-0921 Pattern No 8292P • Length of material required 80cm per pair of banners. • Colour fastness requirements as per Table 12.
4.3 Fringing, three outer edges of banner	<ul style="list-style-type: none"> • Fringe hangers and heading, all gold wire 45mm depth including heading to comply with requirements of UK/SC/3933.
4.4 Wire threads	<ul style="list-style-type: none"> • Thread wire gold and silver as shown on the standard pattern. Size gauge as on the standard pattern.
4.5 Backing cloth	<ul style="list-style-type: none"> • Cloth silk plain navy.
4.6 Canvas interlining	<ul style="list-style-type: none"> • Canvas, linen, natural to be of a suitable quality as on the standard pattern. • Weight/Definition. 110gm. Per linear mtr. 100% natural linen holland.
4.7 Yarn Embroidery	<ul style="list-style-type: none"> • Silk, dyed to match the standard pattern. • Colour fastness is to comply with the requirements of Table 12. • Shade to be as defined in the thread shade card available from DC IPT
4.8 Leather Straps 3	<ul style="list-style-type: none"> • Constructed from double thickness crimson long grain morocco (goatskin) leather. • Size 290mm. long including buckle, 18mm. wide, with six brass eye-lets and 20mm wide single pronged brass buckle. (See Figure 2)
4.9 Metal Loops 3	<ul style="list-style-type: none"> • 3 Gilt plated Brass loops on plates to facilitate fixing straps to banner. (see Figure 3)

Figure 2. Red Morocco Leather Straps



Figure 3. Gilt Loop & Plate

(i) Gilt Loop and plate



(ii) Gilt Loop and plate fixed into banner



TABLE 5 – PRODUCT CONSTRUCTION

5.1 Background Interlining Lining	<ul style="list-style-type: none"> • Crimson Damask, single thickness silk. • Cotton canvas. • Cloth silk plain navy.
5.2 Design	<ul style="list-style-type: none"> • Crimson Damask background. • Large Royal Arms in centre with Lion and Unicorn supporters. A winged cherub above each animal facing towards crown. Surrounded on all sides by a border of, ornately embellished intertwined leaves and flowers in gold wire and silk embroidery threads. • The lion worked in gold wires and appliquéd onto background (see Figure 4) • The unicorn worked in gold and silver wires and appliquéd onto background. (see Figure 5) • The large crown worked in gold and silver wires and coloured embroidery threads and appliquéd onto background. (see Figure 6) • Centre worked on crimson damask in gold and silver wires, red embroidery thread and appliquéd onto background. (see Figure 7) • Garter of Royal Arms worked on empire blue silk with motto "Honi Soit Qui Mal Y Pense" in gold wire applied onto background. (see Figure 7) • Motto Scroll on empire blue silk with "Dieu Et Mon Droit" in gold wire applied onto background. (see Figure 8) • Winged cherubs worked directly onto background in gold and silver wires and coloured embroidery threads.(see Figure 9) • Border and all other elements worked in gold wire and coloured embroidery threads directly onto background.(see Figure10) • The whole design is to be placed symmetrically and centrally on the background cloth.
5.3 Fringing, two sides and bottom edge of banner	<ul style="list-style-type: none"> • Gold Fine Back Fringe, hangers gold wire with a gold wire heading, 45mm depth including heading to comply with requirements of UK/SC/3933
5.4 Strap, buckle, eyelets and buckle.	<ul style="list-style-type: none"> • Each pair of trumpet banners is supplied complete with three leather straps. Each strap constructed from double thickness crimson long grain morocco (goatskin) leather. • Size 290mm long including buckle, 18mm wide, with 6 brass eye-lets and 20mm wide single pronged brass buckle. (see Figure 2)

Figure 4. Lion



Figure 5. Unicorn



Figure 6. Large Crown



Figure 7. Centre and Garter



Figure 8. Motto Scroll



Figure 9. Winged Cherubs



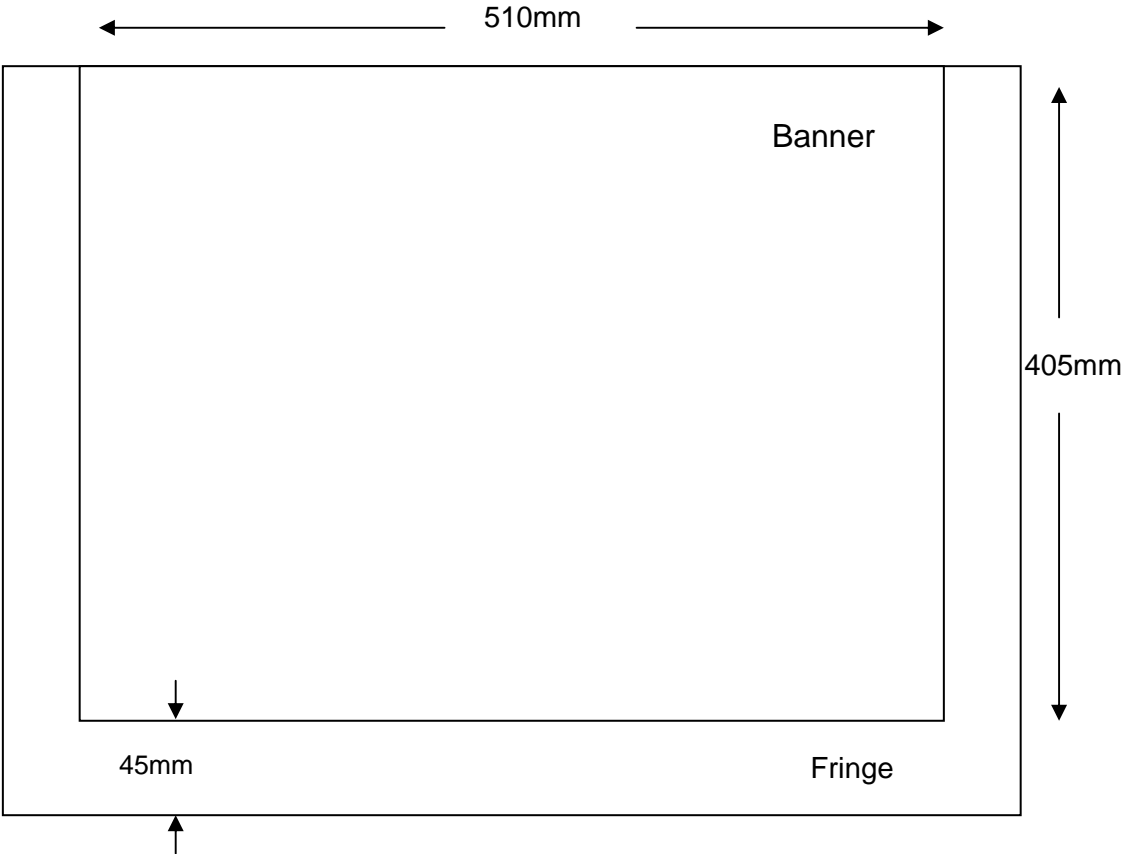
Figure 10. Border



TABLE 7 – MEASUREMENTS AND TOLERANCES

Size	<ul style="list-style-type: none">Finished size to be 510mm width without fringe, Depth 405mm without fringe
Tolerance	<ul style="list-style-type: none">Plus/minus 5mm on finished size

Figure 11. Dimensions of Banner

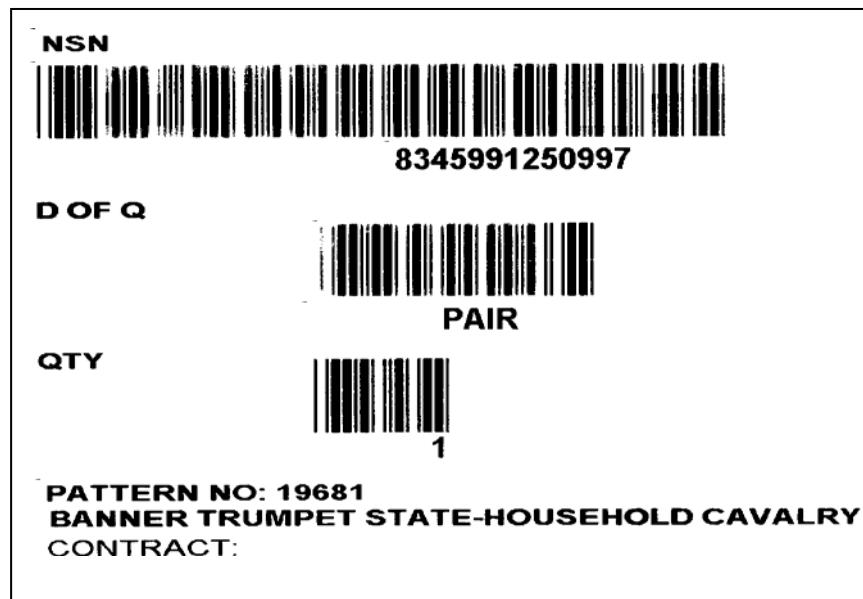


4. LABELLING REQUIREMENTS.

DEFCON 129 (Edn.6/94) BAR CODE MARKING using "BAR CODE 39"

TABLE 8 – IDENTIFICATION LABELS

SPECIMEN LABEL:

TABLE 9 – CARE INSTRUCTIONS

STATE TRUMPET BANNERS ARE VULNERABLE ITEMS AND REQUIRE CAREFUL HANDLING AT ALL TIMES. ON NO ACCOUNT ARE THESE ITEMS TO BE LAUNDERED OR DRY CLEANED.

IF AN ITEM BECOMES EXCESSIVELY SOILED OR MARKED CONSULT WITH THE MANUFACTURER BEFORE ATTEMPTING TO CLEAN.

UNDER NO CONDITIONS ARE TRUMPET BANNERS TO BE PACKED AWAY WHEN WET. SHOULD ANY OF THESE ITEMS BECOME WET THEY ARE TO BE DRIED CAREFULLY AND THOROUGHLY BY BEING HUNG IN A WARM AREA AND LEFT TO DRY NATURALLY. NEVER APPLY DIRECT HEAT IN AN ATTEMPT TO FORCE DRY.

WHEN NOT IN USE THESE ITEMS SHOULD BE STORED AWAY FROM BRIGHT SUNLIGHT AND/OR HUMID CONDITIONS.

TABLE 10 – MATERIAL SCHEDULE

Ground Cloth, Silk ,Super Lute

The finished fabric is to comply with the following requirements:

Property	Requirement	Method of Test
Width cm	127 (Minimum)	BS EN 1773
Mass g/m ²	130 +10/ - 5%	BS EN 12127
Threads per cm		
Warp	190 (Minimum)	BS EN 1049
Weft	22 (Minimum)	Part 2
Composition Warp	China Organza Silk	
Weft	China Tham Silk	

TABLE 11 – EMBROIDERY SILKS

Embroidery yarns are to have the following construction:		
Resultant denier	185	
Number of plies	2	
Single turns per cm	2.4	Direction of twist "Z"
Folding turns per cm	2.4	Direction of twist "S"
Resultant denier	588	
Number of plies	2	
Single turns per cm	3.1	Direction of twist "Z"
Folding turns per cm	3.0	Direction of twist "S"

TABLE 12 – COLOUR FASTNESS

The ground cloth and embroidery yarns are to comply with the following table for colour fastness:

Agency	Requirement		Method of Test
	Minimum rating for colour change	Minimum rating for staining	
			BS EN ISO 105
Water	4	Silk 3	E01
Rubbing	-	Cotton 3	X12
Light	5		B02