

HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY QUARTERMASTER  
Fort Andres Bonifacio, Metro Manila

PA SPECIFICATION

QM SPEC NR IE-22CCROD

MAR 31 2016

Interim

**COMBAT CHEST RIG, OLIVE DRAB FOR M16/M14**

**1. SCOPE:**

1.1 Scope – This specification covers one (1) type of Combat Chest Rig, Olive Drab (OD) as means of carrying ammunition magazines for M16 and M14 Rifles for use of military personnel of the Philippine Army.

1.2 Grade – The finished Combat Chest Rig shall be of the quality and grade of product prescribed by this specification.

1.3 Size – The sizes and measurements of the finished Combat Chest Rig is as shown in the attached illustration.

**2. REQUIREMENTS:**

2.1 First Article – One (1) finished sample of Combat, Chest Rig, Olive Drab (OD) shall be submitted to the Office of the Army Quartermaster for first article inspection in accordance with para 3.1.

2.2 Materials

2.2.1 Basic Material – The basic material shall be nylon canvas, olive drab applied with water resistant material on one side and conforming to the following requirements:

|                          |   |                 |
|--------------------------|---|-----------------|
| Type of Weave            | - | Plain           |
| Thread Count/2.54 cm     |   |                 |
| Warp                     | - | 30 (minimum)    |
| Filling                  | - | 25 (minimum)    |
| Yarn Size, Denier        |   |                 |
| Warp                     | - | 1,300 (minimum) |
| Filling                  | - | 1,100 (minimum) |
| Thickness, mm            | - | 0.50 (minimum)  |
| Weight, g/m <sup>2</sup> | - | 450 (maximum)   |
| Breaking Strength, kg    |   |                 |
| Warp                     | - | 320 (minimum)   |
| Filling                  | - | 270 (minimum)   |

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|   |   |              |
|---|---|--------------|
| Water Repellency, %<br>(Spray Method)                   | - | 80 (minimum) |
| Water resistance, grams of water<br>absorbed by blotter | - | 0            |

2.2.2 Straps - All straps shall be made of nylon or polyester webbing, olive drab (OD) and shall conform to the following requirements:

| Parameters            | Strap # 1   | Strap # 2  |
|-----------------------|---|--|
|                       | Belt Waist Strap<br>and Cross Front &<br>Back Shoulder<br>Strap | Modular and<br>Reinforcement/Attachment Strap<br>(Sewn on the shoulder padding, chest and<br>waist part of the rig and handle of each<br>flap and pouch) |
| Type of Weave         | Plain- Double   | Plain- Double  |
| Width, cm             | 5.0 ± 0.5   | 2.5 ± 0.2  |
| Thickness, mm         | 0.9 (minimum)   | 0.9 (minimum)  |
| Breaking Strength, kg | 950 (minimum)   | 450 (minimum)  |

2.2.3 Binding Tape – The binding tape shall be made of nylon or polyester webbing, olive drab (OD) and shall conform to the following requirements:

|               |   |               |
|---------------|---|---------------|
| Type of Weave | - | Plain-Double  |
| Width, cm     | - | 1.9 ± 0.2     |
| Thickness, mm | - | 0.9 (minimum) |

2.2.4 Shoulder Strap Padding – The shoulder strap padding shall be made of soft rubberized foam neatly covered with the same basic material as specified in para 2.1.1, properly shaped and formed as illustrated and shall conform to the following requirements:

|               |   |            |
|---------------|---|------------|
| Length, cm    | - | 36.0 ± 1.0 |
| Width, cm     | - | 7.0 ± 0.5  |
| Thickness, mm | - | 12.0 ± 1.0 |

2.2.5 Elastic Cord – Shall be made of nylon, polyester or olefin, olive drab in color with a diameter of 3.0 ± 0.5 mm and a minimum length of 46.0 cm.

2.2.6 Pouches and Flaps – The pouches and flaps (magazine, utility, armor plate carrier) material shall be made of double thickness of same basic material as specified in para 2.2.1 and shall conform to the following requirements:

|                 |   |            |
|-----------------|---|------------|
| Magazine Pouch: | - | 6 pieces   |
| Height, cm      | - | 12.5 ± 0.5 |
| Width, cm       | - | 7.5 ± 0.5  |
| Thickness, cm   | - | 4.5 ± 0.5  |

|                     |   |            |          |
|---------------------|---|------------|----------|
| Flap                |   |            |          |
| Length, cm          | - | 21.0 ± 1.0 |          |
| Width, cm           | - | 5.8 ± 0.5  |          |
| Utility Pouch:      |   |            |          |
| Height, cm          | - | 8.7 ± 0.5  | 2 pieces |
| Width, cm           | - | 7.4 ± 0.5  |          |
| Thickness, cm       | - | 5.2 ± 0.5  |          |
| Flap                |   |            |          |
| Length, cm          | - | 12.5 ± 0.5 |          |
| Width, cm           | - | 7.4 ± 0.5  |          |
| Armor Plate Carrier |   |            |          |
| Length, cm          | - | 34.0 ± 1.0 | 1 piece  |
| Width, cm           | - | 28.0 ± 1.0 |          |

2.2.7 Plastic Accessories – The following plastic accessories shall be made of hard plastic material, olive drab (OD) and shall conform with the following requirements:

|                       |   |              |          |
|-----------------------|---|--------------|----------|
| Quick Release Buckle  |   |              |          |
| Length, cm            | - | 8.5 ± 0.5    | 3 pieces |
| Width, cm             | - | 6.5 ± 0.5    |          |
| Thickness, mm         | - | 15.0 ± 1.0   |          |
| Breaking Strength, kg | - | 95 (minimum) |          |
| D-Ring                |   |              |          |
| Length, cm            | - | 3.5 ± 0.2    | 2 pieces |
| Width, cm             | - | 3.0 ± 0.2    |          |
| Thickness, mm         | - | 4.0 ± 0.5    |          |
| Adjustment Buckle     |   |              |          |
| Length, cm            | - | 6.0 ± 0.2    | 1 piece  |
| Width, cm             | - | 3.7 ± 0.2    |          |
| Thickness, mm         | - | 4.0 ± 0.5    |          |
| Slide Keeper (ball)   |   |              |          |
|                       | - |              | 6 pieces |

2.2.8 Metal Accessories – The following metal accessories shall be made of brass with black chemical finished and shall conform with the following requirements:

|                     |   |            |              |
|---------------------|---|------------|--------------|
| Snap Fastener       |   |            |              |
| Inside Diameter, mm | - | 10.0 ± 0.2 | 2 pcs Female |
|                     | - |            | 4 pcs Male   |
| Head Diameter, mm   | - | 10.0 ± 0.2 |              |



|                     |   |           |
|---------------------|---|-----------|
| Eyelet              | - | 8 pieces  |
| Inside Diameter, mm | - | 5.0 ± 0.2 |

2.2.9 Thread Sewing – The thread to be used for all stitching shall be made of polyester or nylon of the same color shade as basic material, 2 ply (minimum), and with a breaking strength of not less than 1.5 kg

## 2.3 Construction

2.3.1 Shoulder Strap Padding – The two (2) pieces shoulder strap padding shall be constructed with the material as specified in para 2.2.4 and shall be covered with the basic material, as illustrated.

2.3.1.1 Modular Strap – Each shoulder padding shall have five (5) modular straps (strap #2) sewn along the width of the padding, the 1<sup>st</sup> and 5<sup>th</sup> straps having a distance of 4.0 ± 0.2 cm respectively from the edge of the padding.

2.3.1.2 Armor Plate Carrier D-Ring Attachment – The 4<sup>th</sup> modular strap of each shoulder padding shall have a webbing (strap #2) sewn to it, forming a loop on which a D-ring is inserted. The D-ring shall serve as the attachment of the plate carrier pouch to the shoulder strap.

2.3.1.3 Attachment – The whole shoulder padding assembly shall be inserted/looped along the shoulder strap via the five (5) modular straps as illustrated.

2.3.2 Cross Front and Back Shoulder Strap – The two (2) pieces cross front and back shoulder strap (strap #1), 120.0 cm (minimum) in length shall respectively be inserted/inserted to the right and left upper corners of the rig while the loose end are provided with plastic buckle (male) as illustrated. Two (2) pieces webbing (strap #1), 2.2 ± 0.2 cm in length are respectively inserted/inserted at the right and left inner portion of the rig, just beside the armor plate carrier to hold the other plastic buckle (female) as illustrated.

2.3.2.1 Cross Placement of Shoulder Strap – The right shoulder strap male buckle shall be attached to the left female buckle and vice-versa to complete the cross construction of the shoulder strap as illustrated.

2.3.3 Belt Waist Strap - The belt waist strap (strap #1) shall be 67 ± 2 cm long and inserted/inserted to the lower right side of the rig as illustrated. The strap is provided with quick release buckle (male) and adjustable buckle for adjustment. Another strap (strap #1), 2.2 ± 0.2 cm in long shall be inserted/inserted to the lower left side of the rig, provided with quick release buckle (female) as illustrated.



2.3.4 Utility Pouches – Two (2) utility pouches and flap covers shall be made of the two (2) basic material and provided with Velcro tape for closure. The edges of the opening of the pouches shall be lined with binding tape. Each pouch shall be provided with one (1) eyelet placed at the bottom of the pouch as illustrated.

2.3.4.1 Flap – The edge of the flap cover shall be lined with binding tape. A handle loop (strap #2),  $5.5 \pm 0.2$  cm in long, shall be sewn/bartacked at the edge of the flap as illustrated. One (1) flap shall be provided with Velcro tape (female side) to serve as attachment of name tapes and patches as illustrated.

2.3.4.2 Modular Strap – Two (2) modular straps (strap #2) are sewn/bartacked on the back of the pouch, the lowermost strap located  $0.7 \pm 0.2$  cm from the bottom of the pouch.

2.3.4.3 Quick Release Strap – Two (2) quick release straps (strap #2),  $17.5 \pm 1.0$  cm long, are sewn/bartacked on the back of the pouch as illustrated. One end of the quick release buckle strap shall be folded into three to serve as lock during attachment of pouches to the armor plate carrier.

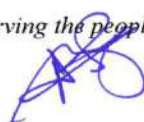
2.3.5 Magazine Pouches – The six (6) magazine pouches and flap covers shall be made of the two (2) layers basic material and provided with Velcro tape for closure. The Velcro tape (female side),  $8.0 \pm 0.5$  cm long shall be sewn to the front of the magazine pouch, placed slightly higher than the pouch opening as illustrated. Each pouch shall be provided with one (1) eyelet placed at the bottom of the pouch as illustrated.

2.3.5.1 Flap – A handle loop (strap #2),  $2.0 \pm 0.2$  cm in long, shall be sewn at the edge of the flap. The Velcro tape (male side),  $15.0 \pm 0.5$  cm shall be sewn to the inner of the flap as illustrated.

2.3.5.2 Modular Strap - Two (2) modular straps (strap #2) are sewn/bartacked on the bottom back of the pouch, the lowermost strap located  $2.5 \pm 0.2$  cm from the bottom of the pouch. One (1) modular strap is sewn/bartacked on the upper back portion of the pouch  $2.5 \pm 0.2$  cm from the top as illustrated.

2.3.5.3 Quick Release Strap – Two (2) quick release straps (strap #2),  $25.0 \pm 1.0$  cm long, are sewn/bartacked on the back of the pouch as illustrated. One end of the quick release buckle strap shall be folded into three to serve as lock during attachment of pouches to the armor plate carrier.

2.3.5.4 Elastic Cord – Two (2) straps (strap #2),  $2.0 \pm 0.2$  cm long are sewn on both sides of each magazine pouch, just below the top modular strap as illustrated. An elastic cord is loop through the two (2) straps to serve as adjustment of the pouch as illustrated. The ends of the elastic cord are held in place using a slide keeper as illustrated.





2.3.6 Armor Plate Carrier – The armor plate carrier, flap cover and waist part of the rig shall be made of two (2) layers basic material and provided with Velcro tape for closure.

2.3.6.1 Flap – The flap shall have a height of  $5.2 \pm 0.2$  cm, the Velcro tape (male side) shall be  $2.7 \pm 0.2$  cm wide and the Velcro tape (female side) shall be  $5.2 \pm 0.2$  cm wide as illustrated.

2.3.6.2 Modular Strap – The upper part of the carrier shall have two (2) modular straps (strap #2), each divided into six (6) loops by placing bartacks on the straps as illustrated. The two (2) modular straps serve as attachment point of the two (2) utility pouches. The lower part of the carrier shall have three (3) modular straps (strap #2), each divided into fourteen (14) loops by placing bartacks on the straps as illustrated. The three (3) modular straps serve as attachment point of the six (6) magazines pouches.

2.3.6.3 Webbing Attachment to Shoulder Strap – Two (2) pieces webbing (strap #2),  $14.5 \pm 0.5$  cm long shall be inserted/fixd respectively at the right and left top part of the plate carrier, each having a three (3) snap fastener and Velcro tape ( $10.0 \pm 0.5$  cm long) for closure. These straps shall serve as attachment of the shoulder strap to the armor plate carrier.

2.3.6.4 Bottom Reinforcement Strap – There shall be  $5.0 \pm 0.5$  cm wide webbing sewn inside the armor plate carrier to serve as reinforcement for the bottom part of the carrier.

2.3.7 Stitches – All sewing and stitching shall be running stitches ranging from 8 – 10 stitches per 2.54 cm.

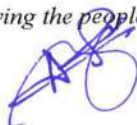
## 2.4 Workmanship

2.4.1 Design – The Combat Chest Rig, Olive Drab (OD) shall be of the design essentially the same as shown in the attached illustrations.

2.4.2 Manufacturer's Label – Each Combat Chest Rig, Olive Drab (OD) shall have a manufacturer's label printed on the upper center of the back of the reverse side of the carrier plate, as illustrated, using black indelible ink or black waterproof paint in Arial font, size 12. The contents of label shall be as follows:

COMBAT CHEST RIG, OD  
QM SPEC NR IE – 22CCROD  
Name of Manufacturer  
Date of Manufacture:

2.4.3 "ARMY" Marking – The "ARMY" marking shall be printed on the center front of the plate carrier pouch, as illustrated,  $3.0 \pm 0.2$  cm below the modular strap with the use of black indelible ink or black waterproof paint, Stencil font, Size 150.



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2.4.5 Finish – The Combat Chest Rig, OD shall be clean, well finished and free from any defect which may affect its appearance or serviceability. Overall workmanship shall be the best known to the trade. Poor quality of sewing and workmanship shall be sufficient ground for rejection of the finished article.

**3. VERIFICATION**

3.1 First Article Inspection – The samples of the Combat Chest Rig, OD submitted in para 2.1 shall be subjected to first article inspection and for approval as against the bid sample. The samples shall be subjected to test and examination to verify if the requirements in para 2.2 to 2.4 are satisfied with reference to the attached test parameters and classification of defects for this document.

**3.2 Sampling**

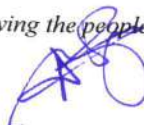
3.2.1 Samples of materials, component and other items entering into the manufacture of the Combat Chest Rig, OD shall be taken at random, from time to time by the PA inspectors for the purpose of examination and test to determine compliance with the requirements of this specification.

3.2.2 Pre-production Sample – Before actual production starts, one (1) finished sample of Combat Chest Rig, OD shall be submitted to the RDC, ASCOM, PA for verification whether the quality of materials used conform with the requirements of this specification and one (1) finished Combat Chest Rig, OD shall be submitted to the Office of the Army Quartermaster for approval as to design, construction, workmanship, style and finish.

**4. QUALITY ASSURANCE PROVISION**

4.1 Responsibility for Inspection – Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the government. The government reserves the right to perform any of the inspections set forth in the specifications which are deemed necessary to assure that supplies and services conform to prescribed requirements.

4.2 Responsibility for Compliance – All items must meet all the requirements of sections 2 and 3. The inspections set forth in this specification shall become a part of the manufacturer's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all the requirements of the contract.





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4.3 Bid Samples – Two (2) pieces bid samples of the finished Combat Chest Rig, OD shall be submitted to RDC, ASCOM, PA to determine the extent of compliance with the specification insofar as quality of materials used is concerned. The Office of the Army Quartermaster shall determine the extent of compliance with this specification as far as workmanship, style and finish are concerned.

**5. PACKAGING AND PACKING**

5.1 Packaging – Each Combat Chest Rig, OD properly labeled shall be placed in a transparent cellophane bag. The open end of the bag shall be folded and closed with a transparent tape.


5.2 Packing – Twenty (20) pieces of Combat Chest Rig, OD shall be packed in a corrugated carton. The top cover when locked shall be sealed with a binding tape and finally secured with nylon straps. The box shall be labeled as follows:

COMBAT CHEST RIG, OD  
Name of Manufacturer  
Quantity: 20 pieces

**6. NOTES**

6.1 The contractor/m manufacturer shall notify the Office of the Army Quartermaster at least seven (7) days before actual production starts so that PA inspectors can be assigned to oversee the process of manufacture to be followed and to inspect the quality of materials to be used.

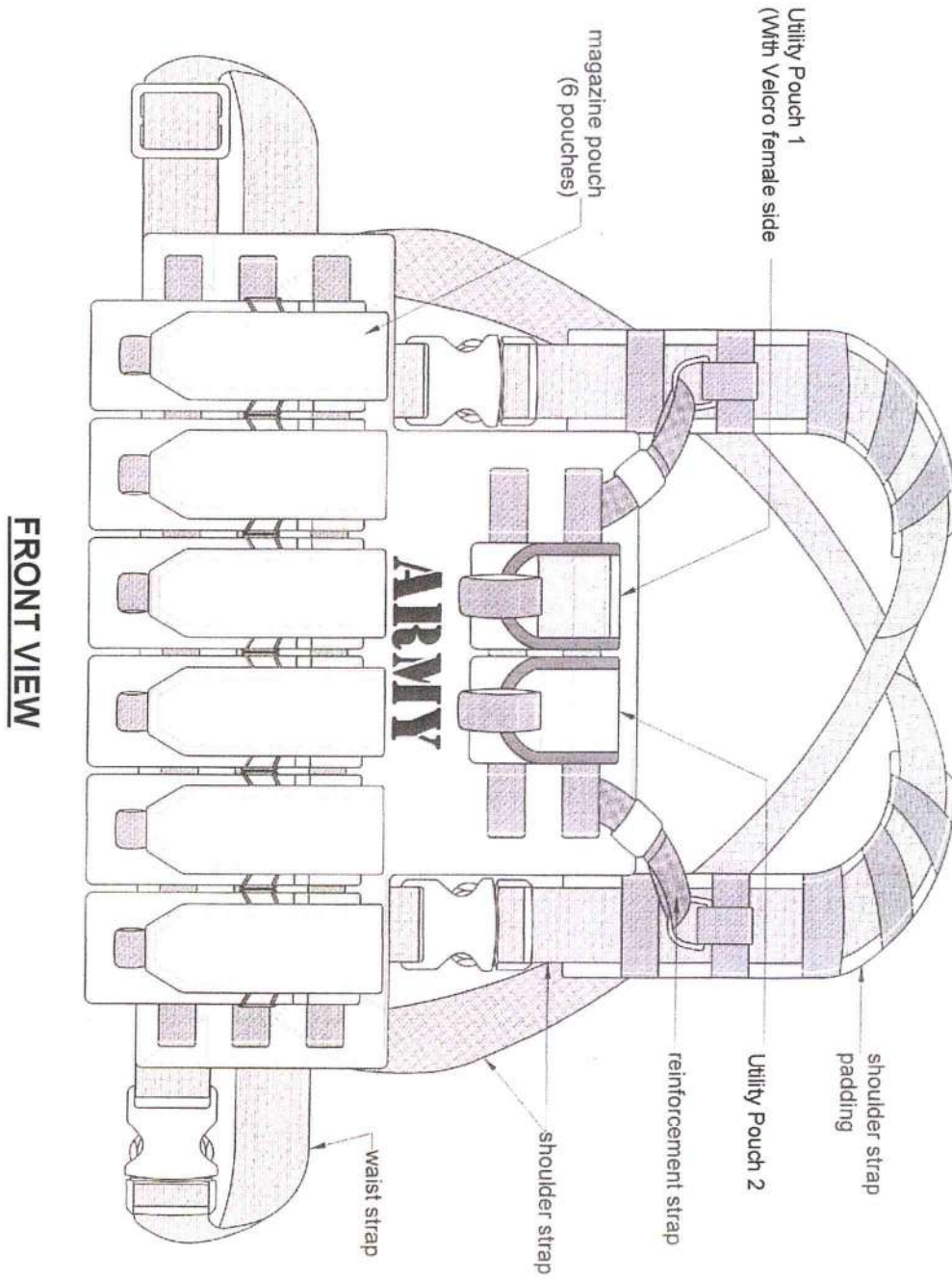
6.2 Any point not covered by this text shall be governed by the attached illustrations which shall be followed in every detail.

  
AURELIO T BADAJOS  
Colonel GSC (QMS) PA  
Chief

**NOTED**

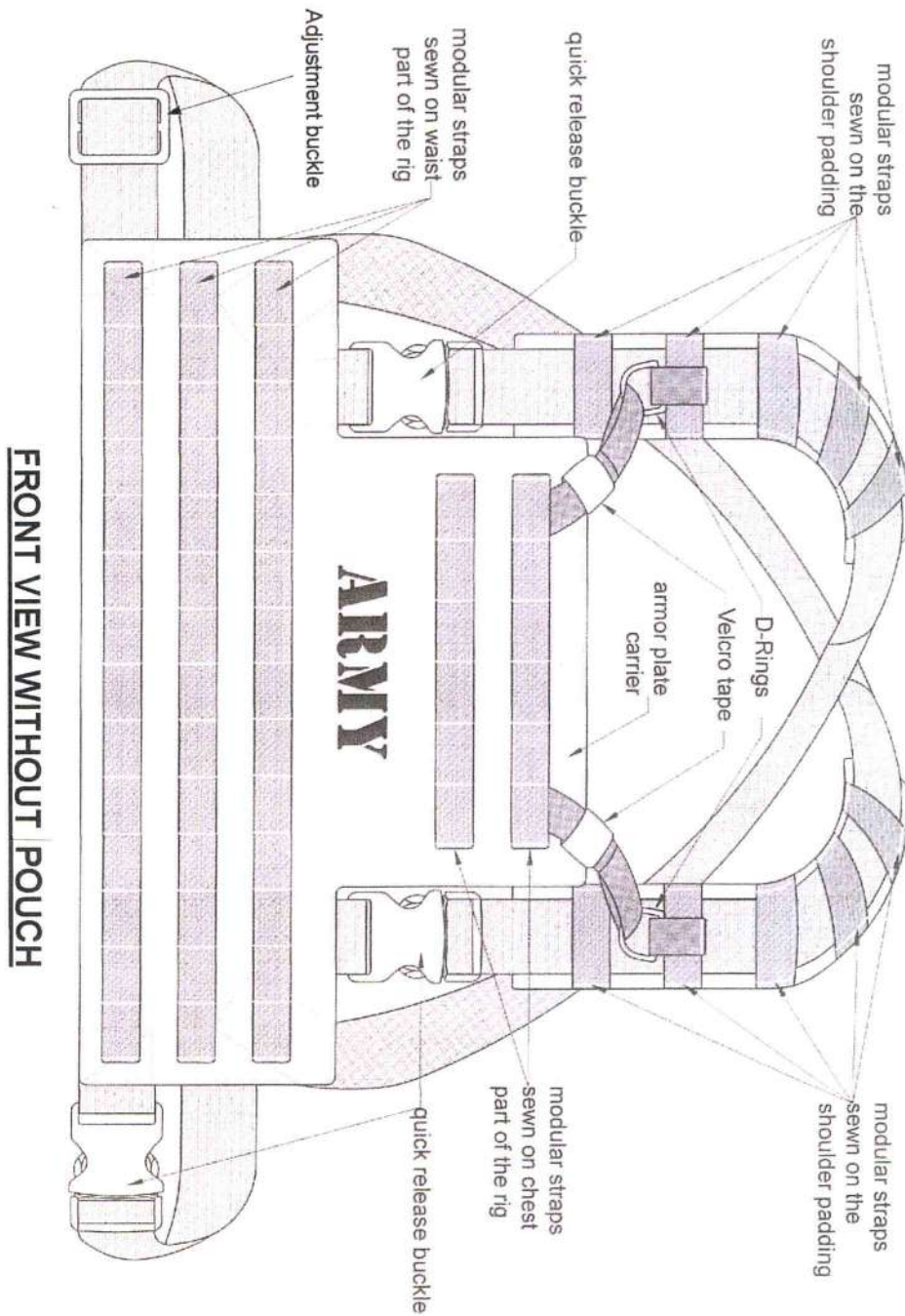
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**MAR 31 2016**  
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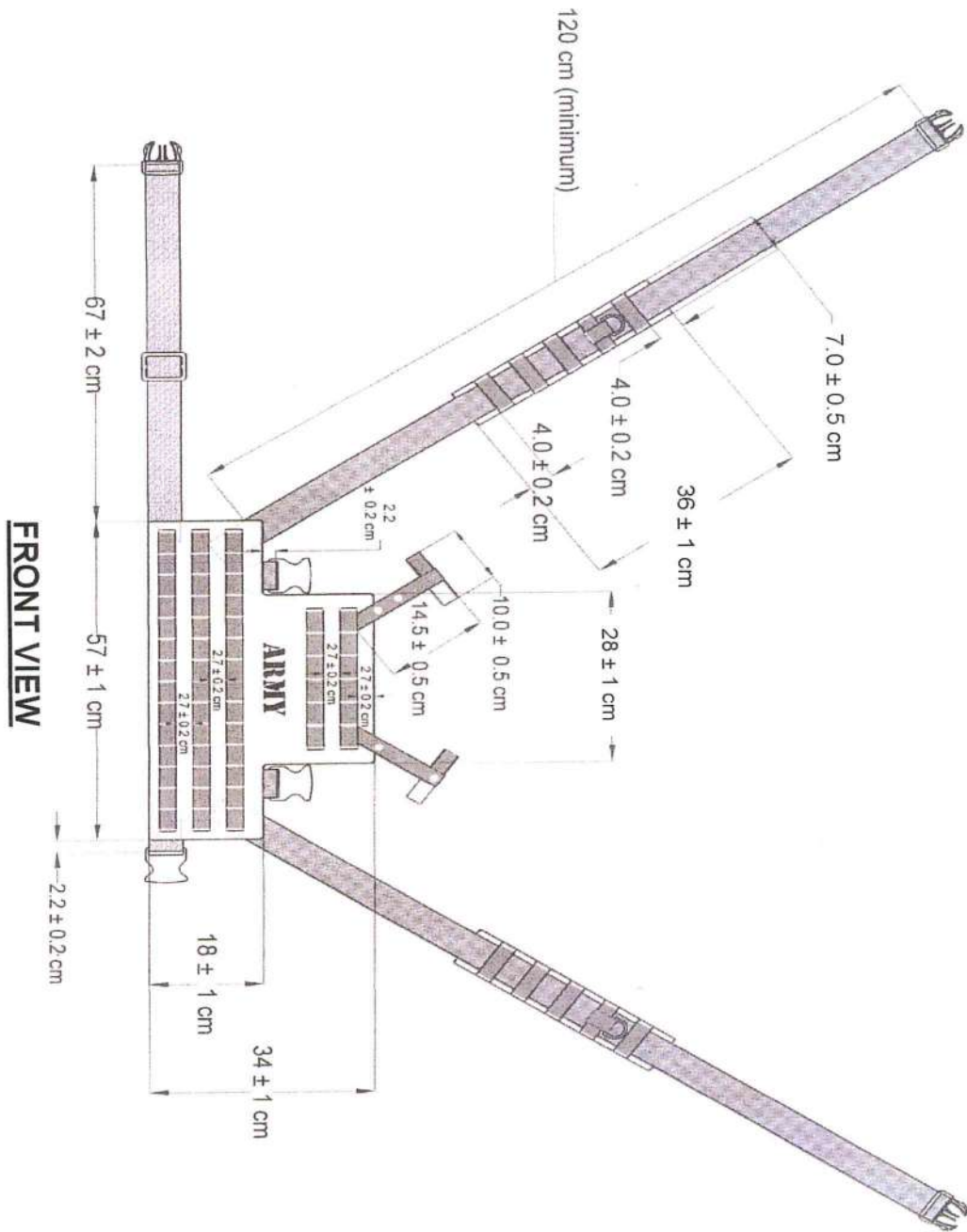


**FRONT VIEW WITHOUT POUCH**



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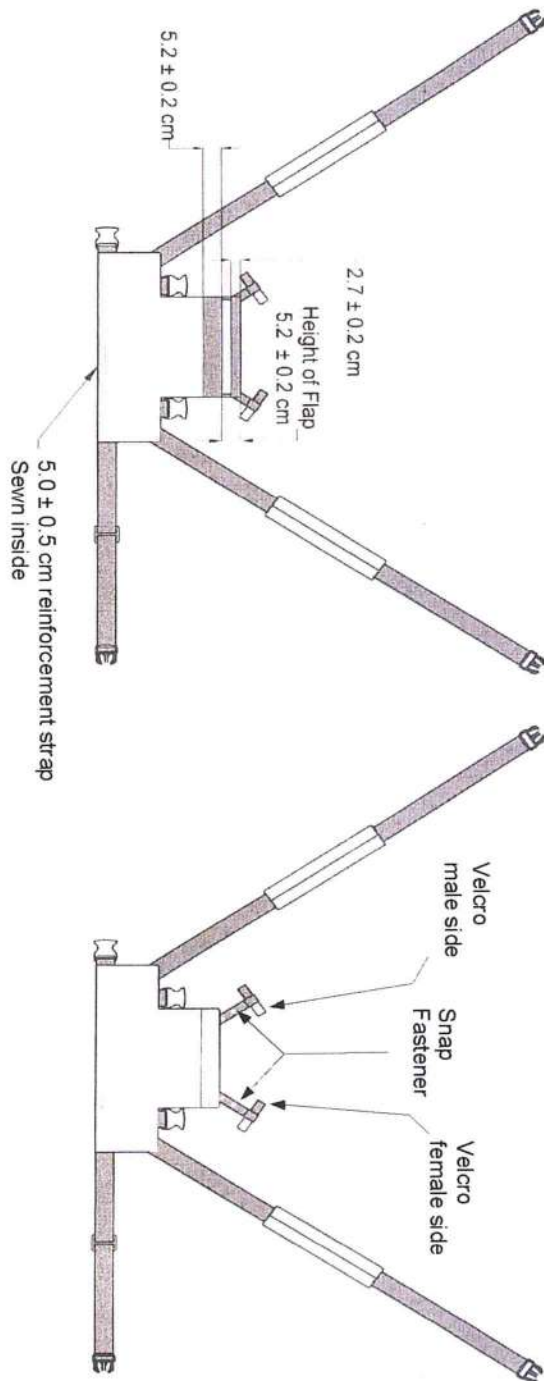


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Armor Plate Carrier  
-Flap Open

Armor Plate Carrier  
-Flap Closed

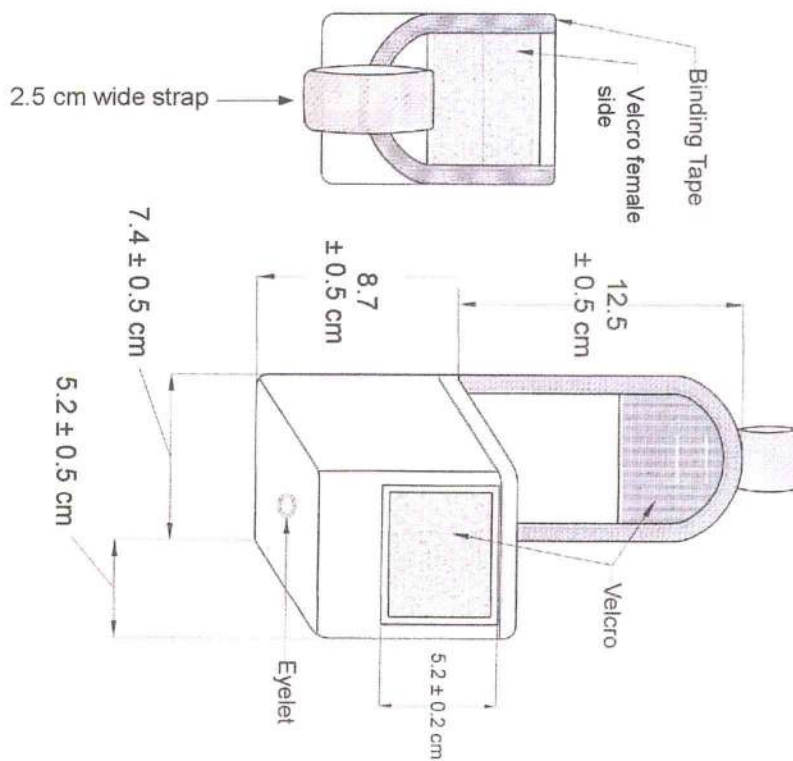
**BACK VIEW**



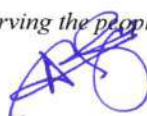
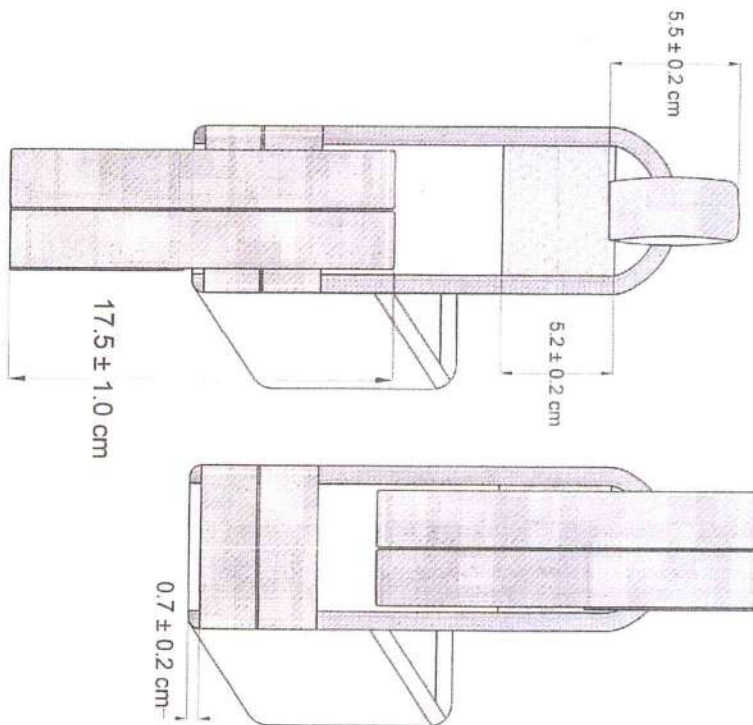
MAR 31 2016

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**FRONT VIEW, UTILITY POUCH**



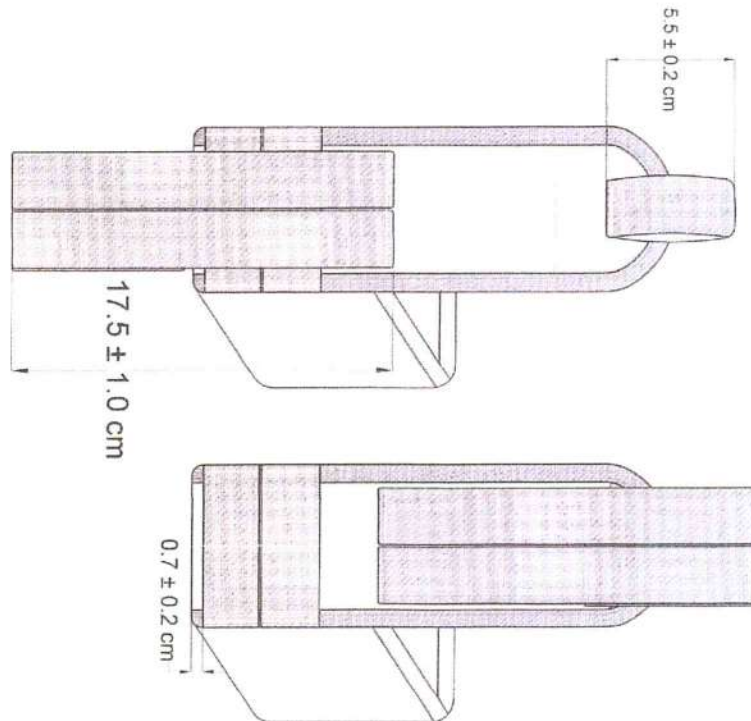
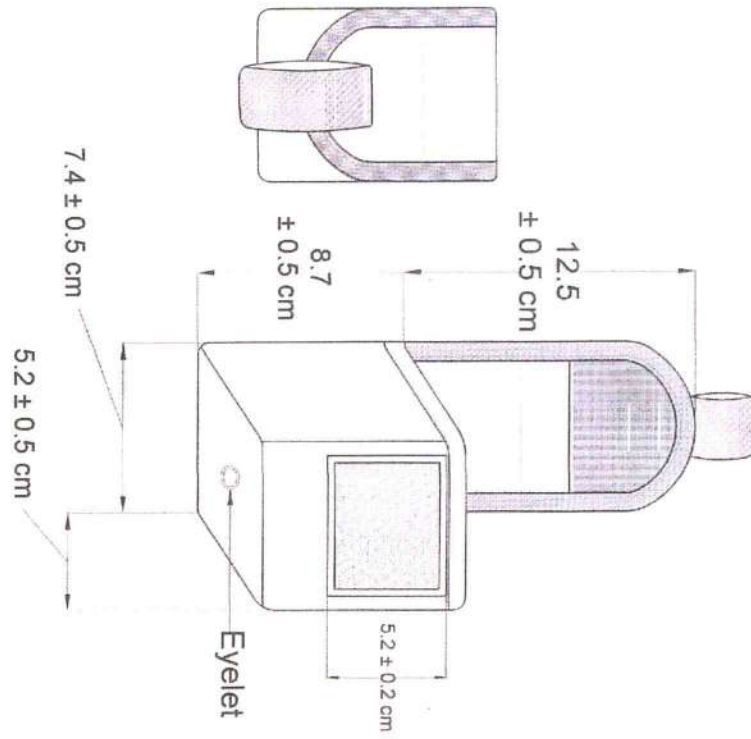
**BACK VIEW UTILITY POUCH**



MAR 31 2016

Interim

UTILITY POUCH



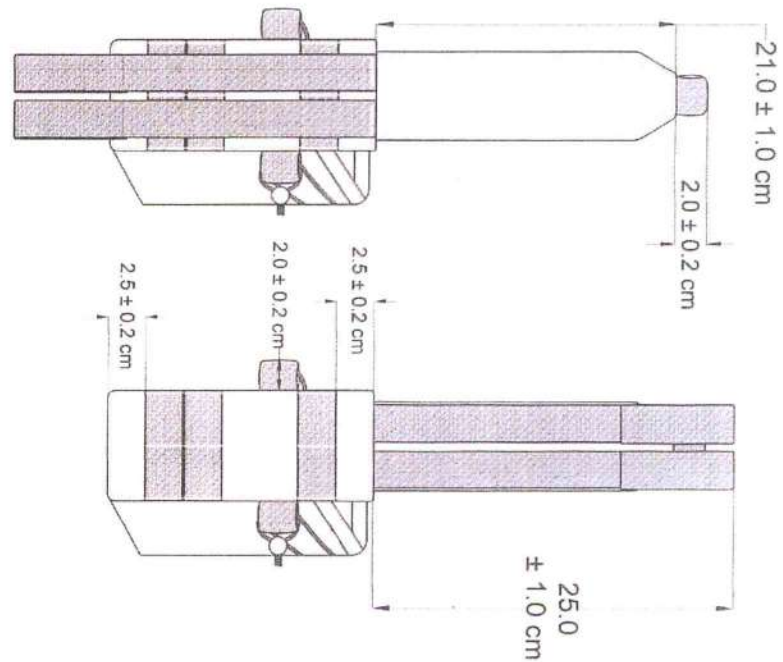
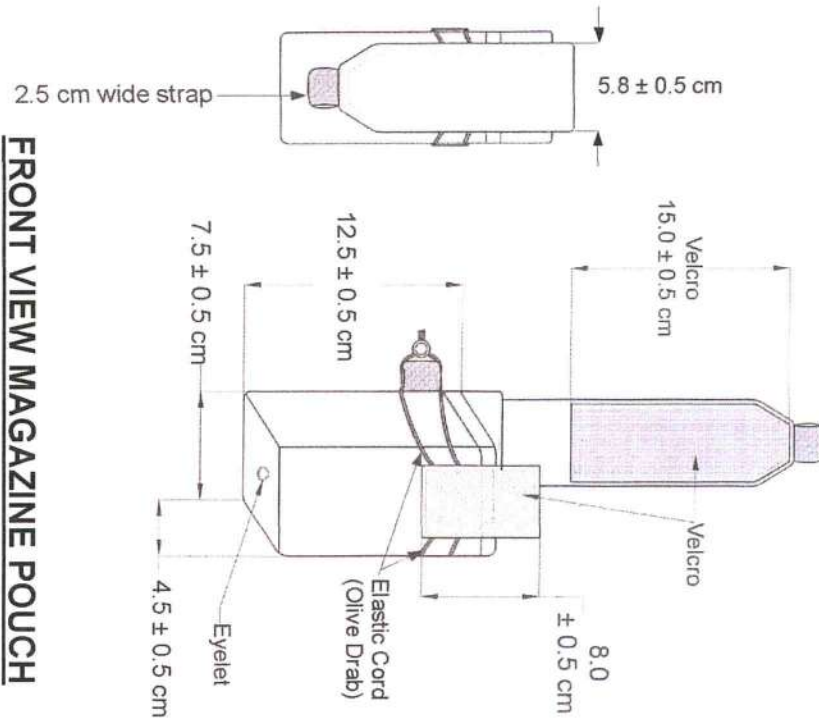


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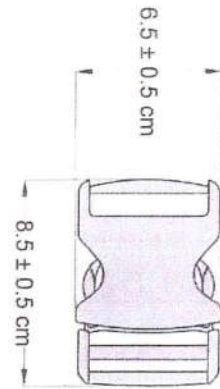
PA SPECIFICATION

QM SPEC NR IE-22CCROD

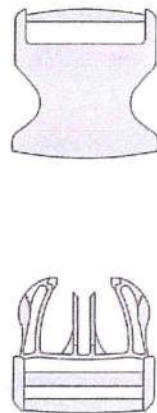
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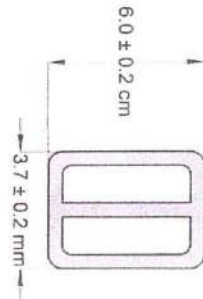
Quick Release Buckle (Olive Drab)



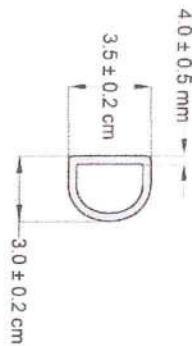
Slide Keeper (Olive Drab)



Adjustment Buckle for Waist (Olive Drab)



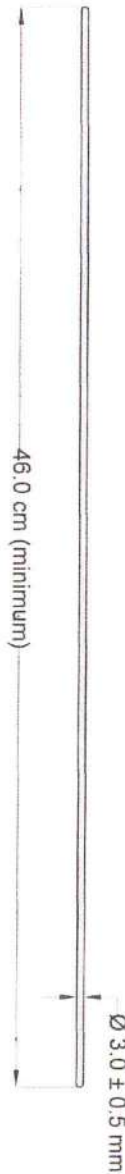
D-Ring (Olive Drab)



Eyelet



Elastic Cord (Olive Drab)



**HEADQUARTERS  
PHILIPPINE ARMY  
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**TEST PARAMETERS**

**COMBAT CHEST RIG, OLIVE DRAB FOR M16/M14**

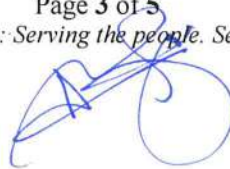
| TEST PARAMETERS  | QM SPECS NR IE-22CCROD dtd<br>31 March 2016       | Classification of Defects |       |
|--|---|---------------------------|-------|
|  |   | Major                     | Minor |
| <b>Basic Material</b>                                    | Nylon canvas                                      | X                         |       |
| Coating  | Applied with water resistant material on one side | X                         |       |
| Color  | Olive Drab  | X                         |       |
| Type of Weave  | Plain   |                           | X     |
| Thread Count/2.54cm                                      |   |                           |       |
| Warp   | 30 (minimum)                                      |                           | X     |
| Filling  | 25 (minimum)                                      |                           | X     |
| Yarn Size (Denier)                                       |   |                           |       |
| Warp   | 1,300 (minimum)                                   |                           | X     |
| Filling  | 1,100 (minimum)                                   |                           | X     |
| Thickness, mm  | 0.50 (minimum)                                    |                           | X     |
| Weight, g/m <sup>2</sup>                                 | 450 (maximum)                                     |                           | X     |
| Breaking Strength, kg                                    |   |                           |       |
| Warp   | 320 (minimum)                                     | X                         |       |
| Filling  | 270 (minimum)                                     | X                         |       |
| Water Repellency, %                                      | 80 (minimum)                                      | X                         |       |
| Water Resistance<br>(Grams of Water Absorbed by Blotter) | 0   | X                         |       |
| <b>Straps</b>  | Nylon or Polyester webbing                        | X                         |       |
| Color  | Olive Drab  | X                         |       |
| Strap #1, Belt Waist and Cross Front<br>& Back Shoulder  |   |                           |       |
| Type of Weave  | Plain - Double                                    |                           | X     |
| Width, cm  | 5.0 ± 0.5   |                           | X     |
| Thickness, mm  | 0.9 (minimum)                                     |                           | X     |
| Breaking Strength, kg                                    | 950 (minimum)                                     | X                         |       |
| Strap #2, Modular and<br>Reinforcement/Attachment        |   |                           |       |
| Type of Weave  | Plain - Double                                    |                           | X     |
| Width, cm  | 2.5 ± 0.2   |                           | X     |
| Thickness, mm  | 0.9 (minimum)                                     |                           | X     |
| Breaking Strength, kg                                    | 450 (minimum)                                     | X                         |       |
| <b>Binding Tape</b>                                      | Nylon or Polyester                                | X                         |       |
| Color  | Olive Drab  | X                         |       |
| Type of Weave  | Plain - Double                                    |                           | X     |
| Width, cm  | 1.9 ± 0.2   |                           | X     |
| Thickness, mm  | 0.9 (minimum)                                     |                           | X     |
| <b>Shoulder Strap Padding</b>                            | Soft rubberized foam                              | X                         |       |
|  | Neatly covered with the same basic material       | X                         |       |
| Length, cm   | 36.0 ± 1.0  |                           | X     |



| TEST PARAMETERS            | QM SPECS NR IE-22CCROD dtd<br>31 March 2016    | Classification of Defects |       |
|----------------------------|--|---------------------------|-------|
|                            |  | Major                     | Minor |
| Width, cm                  | 7.0 ± 0.5                                      |                           | X     |
| Thickness, mm              | 12.0 ± 1.0                                     |                           | X     |
| <b>Elastic Cord</b>        | Nylon, polyester or olefin                     |                           | X     |
| Color                      | Olive Drab                                     | X                         |       |
| Diameter, mm               | 3.0 ± 0.5                                      |                           | X     |
| Length, cm                 | 46.0 (minimum)                                 |                           | X     |
| <b>Pouches and Flaps</b>   | Same basic material as specified in para 2.2.1 | X                         |       |
| Magazine Pouch             | 6 pieces                                       | X                         |       |
| Height, cm                 | 12.5 ± 0.5                                     |                           | X     |
| Width, cm                  | 7.5 ± 0.5                                      |                           | X     |
| Thickness, cm              | 4.5 ± 0.5                                      |                           | X     |
| Flap                       |  |                           |       |
| Length, cm                 | 21.0 ± 1.0                                     |                           | X     |
| Width, cm                  | 5.8 ± 0.5                                      |                           | X     |
| Utility Pouch              | 2 pieces                                       | X                         |       |
| Height, cm                 | 8.7 ± 0.5                                      |                           | X     |
| Width, cm                  | 7.4 ± 0.5                                      |                           | X     |
| Thickness, cm              | 5.2 ± 0.5                                      |                           | X     |
| Flap                       |  |                           |       |
| Length, cm                 | 12.5 ± 0.5                                     |                           | X     |
| Width, cm                  | 7.4 ± 0.5                                      |                           | X     |
| Armor Plate Carrier        | 1 piece  |                           | X     |
| Length, cm                 | 34.0 ± 1.0                                     |                           | X     |
| Width, cm                  | 28.0 ± 1.0                                     |                           | X     |
| <b>Plastic Accessories</b> | Made of hard plastic material                  | X                         |       |
| Color                      | Olive Drab                                     | X                         |       |
| Quick Release Buckle       | 3 pieces                                       | X                         |       |
| Length, cm                 | 8.5 ± 0.5                                      |                           | X     |
| Width, cm                  | 6.5 ± 0.5                                      |                           | X     |
| Thickness, mm              | 15.0 ± 1.0                                     |                           | X     |
| Breaking Strength, kg      | 95 (minimum)                                   | X                         |       |
| D-Ring                     | 2 pieces                                       | X                         |       |
| Length, cm                 | 3.5 ± 0.2                                      |                           | X     |
| Width, cm                  | 3.0 ± 0.2                                      |                           | X     |
| Thickness, mm              | 4.0 ± 0.5                                      |                           | X     |
| Adjustment Buckle          | 1 piece  | X                         |       |
| Length, cm                 | 6.0 ± 0.2                                      |                           | X     |
| Width, cm                  | 3.7 ± 0.2                                      |                           | X     |
| Thickness, mm              | 4.0 ± 0.5                                      |                           | X     |
| Slide Keeper (ball)        | 6 pieces                                       | X                         |       |
| <b>Metal Accessories</b>   | Made of brass                                  | X                         |       |
| Finish                     | Black chemical finished                        | X                         |       |
| Snap Fastener              | 2 pcs female and 4 pcs male                    | X                         |       |
| Inside/Head Diameter, mm   | 10.0 ± 0.2                                     |                           | X     |
| Eyelet                     | 8 pieces                                       | X                         |       |
| Inside Diameter, mm        | 5.0 ± 0.2                                      |                           | X     |



| TEST PARAMETERS                       | QM SPECS NR IE-22CCROD dtd<br>31 March 2016   | Classification of Defects |       |
|---------------------------------------|---|---------------------------|-------|
|                                       |   | Major                     | Minor |
| <b>Thread Sewing</b>                  | Made of polyester or nylon  |                           | X     |
| Color                                 | Same color shade as basic material  | X                         |       |
| No. of Ply                            | 2 (minimum)   |                           | X     |
| Breaking Strength, kg                 | 1.5 (minimum)   | X                         |       |
| <b>Construction</b>                   |   |                           |       |
| Shoulder Strap Padding                | Shall be constructed with the material as specified in para 2.2.4 and shall be covered with the basic material, as illustrated.   | X                         |       |
| Modular Strap                         | Each shoulder padding shall have five (5) modular straps (strap #2) sewn along the width of the padding.  | X                         |       |
| Armor Plate Carrier D-Ring Attachment | The 4 <sup>th</sup> modular strap of each shoulder padding shall have a webbing (strap #2) sewn to it, forming a loop on which a D-ring is inserted.                                | X                         |       |
| Cross Front and Back Shoulder Strap   | The two (2) pieces cross front and back shoulder strap (strap #1), 120.0 cm (minimum) in length shall respectively be inserted/fixe to the right and left upper corners of the rig. | X                         |       |
|                                       | The loose end are provided with plastic buckle (male) as illustrated.   | X                         |       |
|                                       | Two (2) pieces webbing (strap #1), 2.2 ± 0.2 cm in length are respectively inserted/fixe at the right and left inner portion of the rig.  | X                         |       |
| Belt Waist Strap                      | The belt waist strap (strap #1) shall be 67 ± 2 cm long and inserted/fixe to the lower right side of the rig as illustrated.  | X                         |       |
|                                       | The strap is provided with quick release buckle (male) and adjustable buckle for adjustment.  | X                         |       |
|                                       | Another strap (strap #1), 2.2 ± 0.2 cm in long shall be inserted/fixe to the lower left side of the rig, provided with quick release buckle (female) as illustrated.                | X                         |       |
| Utility Pouches                       | Two (2) utility pouches and flap covers shall be made of the two (2) basic material.  | X                         |       |
|                                       | With Velcro tape for closure.   | X                         |       |
|                                       | Provided with one (1) eyelet placed at the bottom of the pouch as illustrated.  | X                         |       |
| Flap                                  | The edge of the flap cover shall be lined with binding tape.  | X                         |       |
|                                       | A handle loop (strap #2), 5.5 ± 0.2 cm in long, shall be sewn/bartacked at the edge of the flap as illustrated.   | X                         |       |
|                                       | One (1) flap shall be provided with Velcro tape (female side) to serve as attachment of name tapes and patches.   | X                         |       |
| Modular Strap                         | Two (2) modular straps (strap #2) are sewn/bartacked on the back of the pouch.  | X                         |       |






| TEST PARAMETERS     | QM SPECS NR IE-22CCROD dtd<br>31 March 2016  | Classification of Defects |       |
|---------------------|--|---------------------------|-------|
|                     |  | Major                     | Minor |
| Quick Release Strap | Two (2) quick release straps (strap #2), 17.5 ± 1.0 cm long, are sewn/bartacked on the back of the pouch as illustrated.   | x                         |       |
|                     | One end of the quick release buckle strap shall be folded into three.  | x                         |       |
| Magazine Pouches    | The six (6) magazine pouches and flap covers shall be made of the two (2) layers basic material.   | x                         |       |
|                     | Provided with Velcro tape for closure.   | x                         |       |
|                     | The Velcro tape (female side), 8.0 ± 0.5 cm long shall be sewn to the front of the magazine pouch  | x                         |       |
|                     | Provided with one (1) eyelet placed at the bottom of the pouch as illustrated.   | x                         |       |
| Flap                | A handle loop (strap #2), 2.0 ± 0.2 cm in long, shall be sewn at the edge of the flap.   | x                         |       |
|                     | The Velcro tape (male side), 15.0 ± 0.5 cm shall be sewn to the inner of the flap as illustrated.  | x                         |       |
| Modular Strap       | Two (2) modular straps (strap #2) are sewn/bartacked on the bottom back of the pouch   | x                         |       |
| Quick Release Strap | Two (2) quick release straps (strap #2), 25.0 ± 1.0 cm long, are sewn/bartacked on the back of the pouch as illustrated.   | x                         |       |
|                     | One end of the quick release buckle strap shall be folded into three.  | x                         |       |
| Elastic Cord        | Two (2) straps (strap #2), 2.0 ± 0.2 cm long are sewn on both sides of each magazine pouch, just below the top modular strap as illustrated.   | x                         |       |
|                     | An elastic cord is loop through the two (2) straps to serve as adjustment of the pouch as illustrated. The ends of the elastic cord are held in place using a slide keeper as illustrated. | x                         |       |
| Armor Plate Carrier | The armor plate carrier, flap cover and waist part of the rig shall be made of two (2) layers basic material.  | x                         |       |
|                     | Provided with Velcro tape for closure.   | x                         |       |
| Flap                | The flap shall have a height of 5.2 ± 0.2 cm.  |                           | x     |
|                     | The Velcro tape (male side) shall be 2.7 ± 0.2 cm wide and the Velcro tape (female side) shall be 5.2 ± 0.2 cm wide as illustrated.  | x                         |       |
| Modular Strap       | The upper part of the carrier shall have two (2) modular straps (strap #2), each divided into six (6) loops by placing bartacks on the straps as illustrated.                              | x                         |       |



| TEST PARAMETERS                      | QM SPECS NR IE-22CCROD dtd<br>31 March 2016   | Classification of Defects |       |
|--------------------------------------|---|---------------------------|-------|
|                                      |   | Major                     | Minor |
| Modular Strap                        | The lower part of the carrier shall have three (3) modular straps (strap #2), each divided into fourteen (14) loops by placing bartacks on the straps as illustrated. | x                         |       |
| Webbing Attachment to Shoulder Strap | Two (2) pieces webbing (strap #2), 14.5 ± 0.5 cm long shall be inserted/fixd respectively at the right and left top part of the plate carrier.                        | x                         |       |
|                                      | Each having a three (3) snap fastener (1 female and 2 male) and Velcro tape (10.0 ± 0.5 cm long) for closure.   | x                         |       |
| Bottom Reinforcement Strap           | There shall be 5.0 ± 0.5 cm wide webbing sewn inside the armor plate carrier to serve as reinforcement for the bottom part of the carrier.                            | x                         |       |
| Design                               | The Combat Chest Rig, Olive Drab (OD) shall be of the design essentially the same as shown in the attached illustrations.   | x                         |       |
| Manufacturer's Label                 | Shall have manufacturer's label   | x                         |       |
| Location                             | Printed on the upper center of the back of the reverse side of the carrier plate, as illustrated.   |                           | x     |
| Type and Size of Lettering           | Black indelible ink or black waterproof paint in Arial font, size 12.   |                           | x     |
| Contents of Label                    | COMBAT CHEST RIG, OD<br>QM SPEC NR IE – 22CCROD<br>Name of Manufacturer<br>Date of Manufacture:   |                           | x     |
| Army Marking                         | With Army marking   | x                         |       |
| Location                             | Printed on the center front of the plate carrier pouch, as illustrated, 3.0 ± 0.2 cm below the modular strap.   |                           | x     |
| Type and Size of Lettering           | Black indelible ink or black waterproof paint, Stencil font, Size 150.  |                           | x     |
| <b>Total Test Points</b>             |   | 72                        | 54    |

  
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