

HEADQUARTERS
PHILIPPINE ARMY
OFFICE OF THE ARMY QUARTERMASTER
Fort Andres Bonifacio, Makati City

PA SPECIFICATION

QM SPEC NR IE-22MCFOD
OCT 22 2019

(Interim)

MATTRESS COVER, FITTED, OLIVE DRAB

1. GENERAL

1.1 Scope – This specification covers one (1) type of Mattress Cover, Fitted, Olive Drab for use of military personnel of the Philippine Army.

1.2 Grade – The finished Mattress Cover shall conform to the quality and grade of product prescribed by this specification.

1.3 Size – The Mattress Cover shall be one (1) size only, the dimension is as shown in the attached illustration.

2. REQUIREMENTS

2.1 First Article – Two (2) pieces Mattress Cover, 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 a blend of 50 ± 5 % Cotton and 50 ± 5 % Polyester, Olive Drab in color and conforming with the following requirements:

Thickness, mm	-	0.24 (minimum)
Thread Count/2.54 cm		
Warp	-	80 (minimum)
Filling	-	60 (minimum)
Yarn Size, Denier		
Warp	-	150 (minimum)
Filling	-	150 (minimum)
Breaking Strength, kg/2.54cm (Strip Method)		
Warp	-	20 (minimum)
Filling	-	17 (minimum)
Weight, g/m ²	-	200 (maximum)
Color Quality (Color Difference)	-----	2 (maximum)

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2.2.2 Thread Sewing – The thread to be used for all sewing and stitching shall be nylon or polyester, Olive Drab, 2 ply (minimum) and with a breaking strength of not less than 1.0 kg.

2.3 Construction

2.3.1 Cutting – The Mattress Cover shall be cut strictly in accordance with the design as illustrated in Figures 1 & 2.

2.3.2 Hem – The hem of the Mattress Cover shall be turned 1.5 ± 0.3 cm then turn in again 1.7 ± 0.3 cm concealing the first turn, locked with stitches catching the first turn-in fold. Stitches shall be 4 to 5 per cm. All seams of the Mattress Cover shall be made of standard sewing machine to ensure uniformity.

2.3.3 Garter – Shall be provided in the four (4) corners of the cover as illustrated in figure 1.

2.4 Workmanship

2.4.1 Finish – The Mattress Cover shall be clean, well finished, well pressed 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.

2.4.2 Design – The Mattress Cover shall be of the design essentially the same as shown in Figure 1 and the official sample of the Philippine Army.

2.4.3 Contractor's Label – Each Mattress Cover shall have a contractor's label printed on the lower right corner on the reverse side, as illustrated in Figure 1 using Arial font, Size 20 with black indelible ink or by dry heat transfer process of equal fastness. The contents of label shall be as follows:

MATTRESS COVER, FITTED, OLIVE DRAB

QM SPEC NR IE-22MCFOD

Name of Contractor:

2.4.4 "ARMY" Marking – Each Mattress Cover shall have "ARMY" marking printed at the center on the front, as illustrated using Stencil font, Size 400 with black indelible ink or by dry heat transfer process of equal fastness.

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3. VERIFICATION

3.1 First Article Inspection – The sample of the finished Mattress Cover submitted in para 2.1 shall be subjected to first article inspection and for approval as against the bid sample. The sample shall be subjected to tests 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, components and other items entering into the manufacture of Mattress Cover shall be taken at random from time to time by PA inspectors for purposes of examination and test to determine compliance with the requirements of this specification.

3.2.2 Pre-production Sample – Before actual production starts, unless otherwise specified, one (1) finished item covered by this specification or item being procured by procuring agency will be inspected for verification whether the quality of materials used conformed with the characteristic/requirements of this specification.

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 contractor'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.

4.3 Bid Samples – Two (2) pieces bid sample and swatch materials of Mattress Cover 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 the specification insofar as workmanship, style and finish are concerned.

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5 PACKAGING

5.1 Packaging – Each Mattress Cover shall be folded neatly and placed in a transparent (cellophane) bag. The open end of the bag shall be folded and closed with transparent tape.

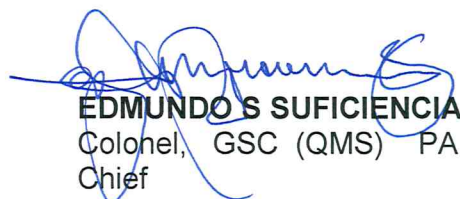
5.2 Packing – Twenty Five (25) pieces of Mattress Cover shall be packed in a corrugated carton. The top cover when closed shall be sealed with a binding tape and finally secured with nylon straps. The box shall be labeled as follows:

MATTRESS COVER, OLIVE DRAB
QM SPEC NR IE-22MCOB
Name of Contractor:
Quantity: 25 pieces

6. NOTES

6.1 The contractor/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 the text shall be governed by the attached illustration which shall be followed in every detail.


EDMUNDO S SUFICIENCIA
Colonel, GSC (QMS) PA
Chief

NOTED
CG, PA
DATE: OCT 22 2019

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MATTRESS COVER, OLIVE DRAB

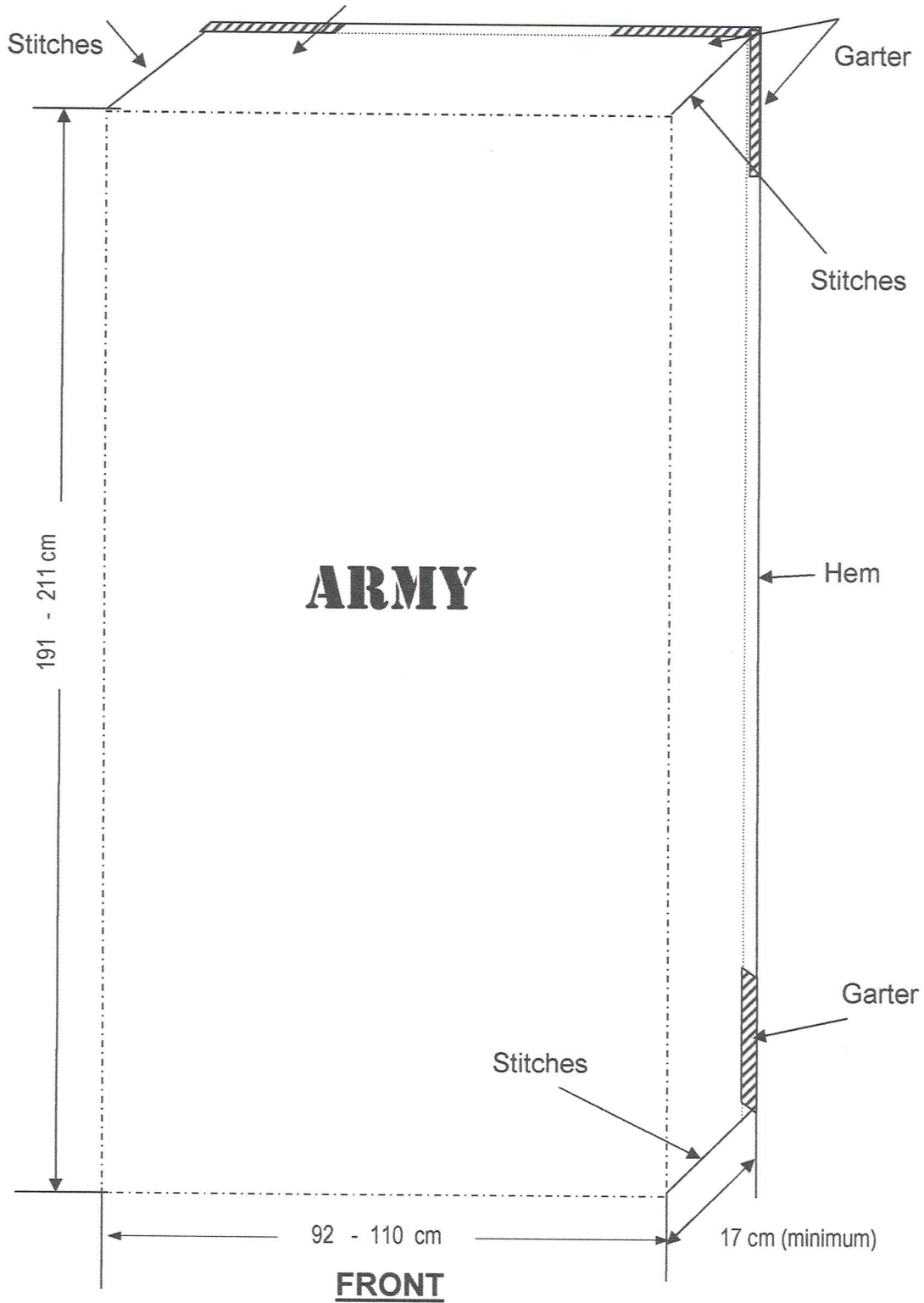


Figure 1

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(Interim)

MATTRESS COVER, OLIVE DRAB

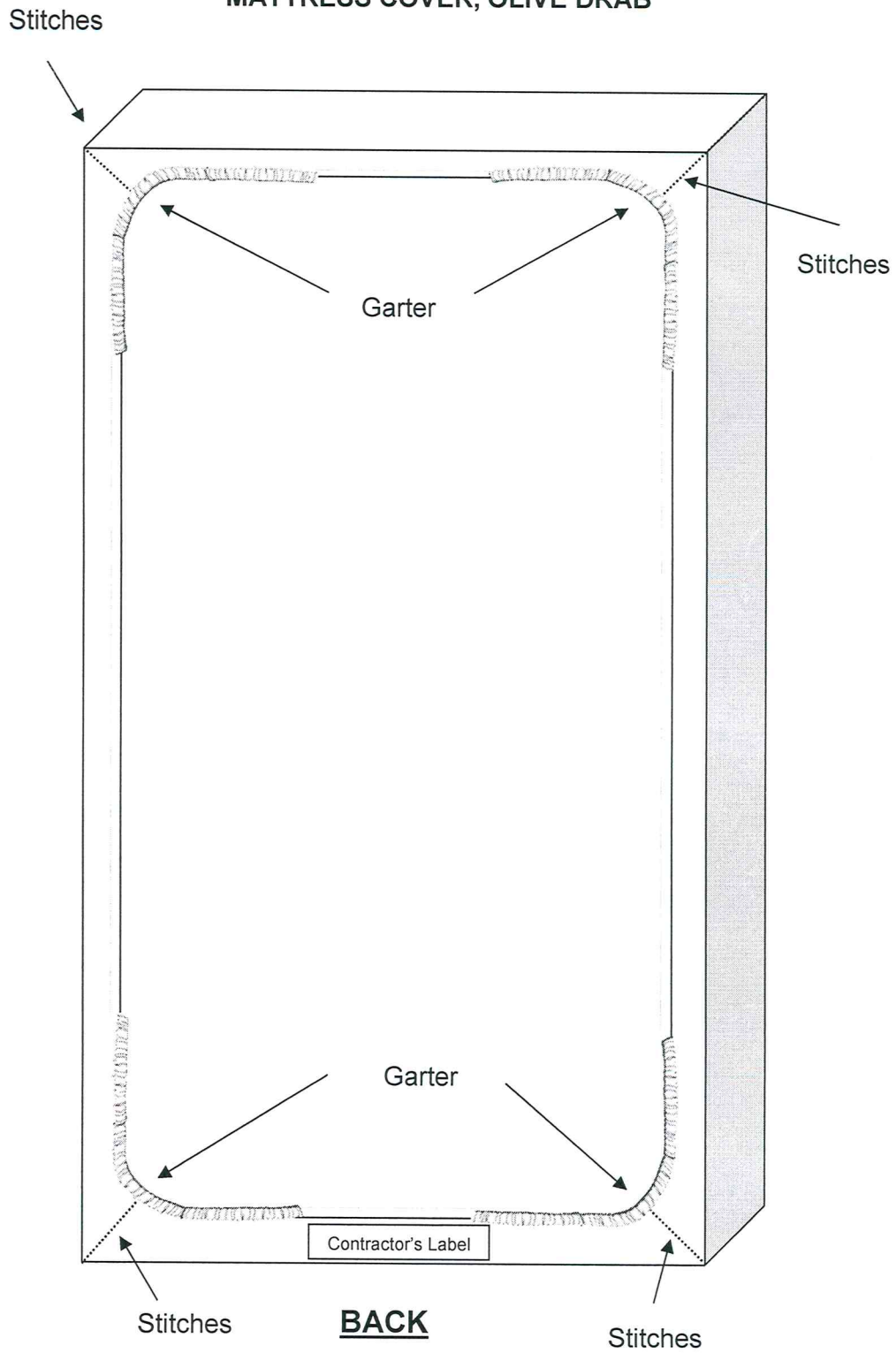


Figure 2

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Honor. Patriotism. Duty

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[Signature]

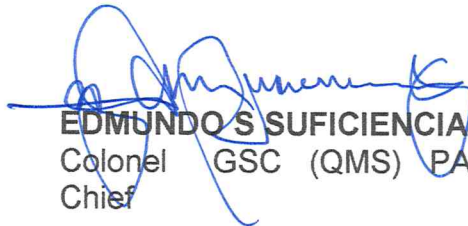
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TEST PARAMETERS

MATTRESS COVER, FITTED, OLIVE DRAB

TEST PARAMETERS	QM SPEC NR IC-22MCFOD dated 22 October 2019	Classification	
		Major	Minor
Measurement, cm			
Length	191 - 211	x	
Width	92 - 110	x	
Height	17 (minimum)	x	
Basic Material	50% ± 5 Cotton 50% ± 5 Polyester	x	
Color	Olive Drab	x	
Thickness, mm	0.24 (minimum)	x	
Thread Count/2.54 cm			
Warp	80(minimum)		x
Filling	60 (minimum)		x
Yarn Size, Denier			
Warp	150 (minimum)		x
Filling	150 (minimum)		x
Breaking Strength, kg (Strip Method)			
Warp	20 (minimum)	x	
Filling	17 (minimum)	x	
Weight, g/m ²	200 (maximum)		x
Color Quality (Color Difference)	2 (maximum) Spectrophotometric Method	x	
Thread Sewing	Nylon or Polyester		
Color	Olive Drab	x	
No. of Ply	2 (minimum)		x
Breaking Strength, kg	1 (minimum)	x	
Construction			
Cutting	shall be cut strictly in accordance with the design as illustrated in Figures 1 & 2.	x	
Hem	The hem of the Mattress Cover shall be turned 1.5 ± 0.3 cm then turn in again 1.7 ± 0.3 cm concealing the first turn, locked with stitches catching the first turn-in fold.		x
Garter	Shall be provided in the four (4) corners of the cover as illustrated in figure 1	x	
No. of Stitches	4 - 5		x
Finish	The Mattress Cover shall be clean, well finished, well pressed and free from any defect which may affect its appearance or serviceability		x

TEST PARAMETERS	QM SPEC NR IE-22MCFOD dated 22 October 2019	Classification	
		Major	Minor
Design	Shall be of the design essentially the same as shown in Figure 1		x
Contractor's Label	Shall have a Contractor's Label	x	
Location	Printed on the lower right corner on the reverse side, as illustrated in Figure 1		x
Type & Size of Lettering	Arial font, Size 20		x
Type of Ink	black indelible ink or by dry heat transfer process of equal fastness		x
Contents of Label	MATTRESS COVER, FITTED, OLIVE DRAB QM SPEC NR IE-22MCFOD Name of Contractor:		
ARMY Markings	With "ARMY" Marking	x	
Location	Printed at the center on the front, as illustrated	x	
Type & Size of Lettering	Stencil font, Size 400		x
Type of Ink	black indelible ink or by dry heat transfer process of equal fastness		x
TOTAL TEST POINTS		16	15


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TEST CRITERIA

FOR POST-QUALIFICATION TEST:

Destructive Testing Criteria based on Logistic Letter Directive Number SC-07-04 dtd 25 October 2007 para 5f.

TOTAL MINOR TEST POINTS	NO. OF ALLOWABLE DEFECTS	
	MAJOR	MINOR
15	0	1

1. No major defect allowed.
2. Maximum allowable minor defect is nine & 9/10 percent (9.9%) of total minor test points **"CONDUCTED"**

FOR ACCEPTANCE TEST:


- I. Visual Inspection Criteria based on Mil Std 105E dtd 10 May 1989
 - All defects noted in 1st and 2nd sampling are cumulative.
 - In case of rejection, destructive testing will not be conducted

Classification of Defects	TABLE III-A General Inspection Level I Code Letter J Double Sampling Plan for Normal Inspection				
	Lot size 3,201 – 10,000 pcs Sample Size: 50 pcs + 50 pcs	Number of Defects			
		1 st Sampling	2 nd Sampling		
	AQL	Accept	Reject	Accept	Reject
MAJOR	6.5	5	9	12	13
MINOR	25	11	16	26	27

- II. Destructive Testing Criteria based on Logistic Letter Directive Number SC-07-04 dtd 25 October 2007 para 5f.

TOTAL MINOR TEST POINTS	NO. OF ALLOWABLE DEFECTS	
	MAJOR	MINOR
15	0	1

1. No major defect allowed.
2. Maximum allowable minor defect is nine & 9/10 percent (9.9%) of total minor test points **"CONDUCTED"**


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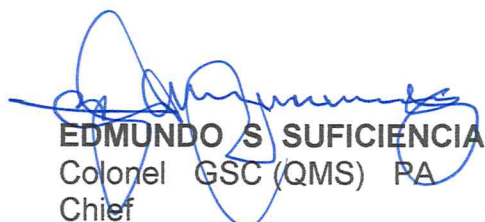
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VISUAL INSPECTION CHECKLIST

MATTRESS COVER, FITTED, OLIVE DRAB
QM SPEC NR IE-22MCFOD dated 22 October 2019

Supplier: _____
Lot Size : _____
Sample Size: _____

DESCRIPTION OF DEFECTS	CLASIFICATION OF DEFECTS
1. Packing and Packaging	
a. Each mattress cover shall be folded and placed in a transparent (cellophane) bag. The open end of the bag shall be folded and closed with transparent tape.	Minor
b. Twenty Five (25) mattress covers shall be packed in a corrugated carton.	Major
c. The top of cover of the carton shall be sealed with binding tape and secured with nylon straps.	Minor
d. Contents of the carton label not as specified	Minor
2. Mattress cover shall be olive drab in color	Major
3. The cover must be cut from one piece of material	Major
4. There shall be no loose sewing or untrimmed edges	Major
5. The mattress cover shall have four garters in every corner of the cover.	Major
6. Provided with ARMY marking:	Major
7. Contractor's label	
a. Printed on the lower right corner on the reverse side	Minor
b. Contents of the label not as specified	Minor
8. Presence of dirt, stains and other defects:	
a. Affecting appearance	Major
b. Does not affect appearance	Minor


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MATTRESS COVER, FITTED, OLIVE DRAB
QM SPEC NR IE-22MCFOD
dated 22 October 2019

LIST OF REQUIRED PROTOTYPE SAMPLES AND SWATCH MATERIALS FOR
TESTING

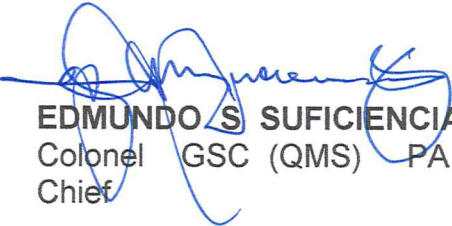
1. FOR POST QUALIFICATION TEST

PROTOTYPE SAMPLES

Four (4) sets of mattress cover

2. FOR ACCEPTANCE TEST

Three (3) sets of mattress cover - Picked at random from delivery


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