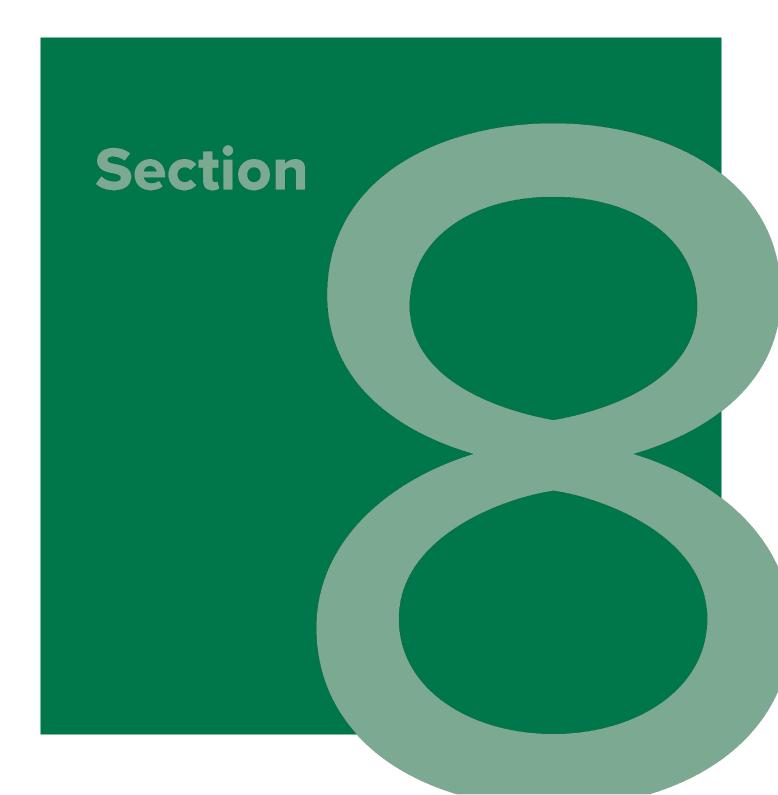




MSA Standards Manual

Independent boning rooms & portion cutting operations



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Prepared by: Meat & Livestock Australia Authorised by: Meat & Livestock Australia

Meat Standards Australia

T: 1800 111 672 W: mla.com.au/msa E: msaenquiries@mla.com.au

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Table of contents

1 Introduction	
1.1 Instructions for control of this document	
1.2 Owner confirmation	
1.3 Amendments and updates	
1.4 Document control confirmation	
8 Independent boning rooms and portion cutting operations	
8.1 Quality Management System	8-05
8.1.1 Trained personnel	
8.2 Carcase identification	8-05
8.3 MSA identification	
8.4 MSA carton label specifications	8-06
8.5 Cutting/fabrication/preparation	8-06
8.5.1 Beef product packaged in Modified Atmospheric Packaging (MAP)	8-07
8.5.2 Sheepmeat product packaged in Modified Atmospheric Packaging (MAP)	8-08
8.5.3 Freezing of MSA beef and sheepmeat	8-08
8.6 Dispatch/sale	8-08
8.7 Reference material	
8.7.1 MSA generic insert	8-09
8.7.2 Example of an acceptable MSA tamper evident label	8-09
8.7.3 Examples of MSA descriptions on carton labels	8-09
8.7.4 MSA invoice examples	8-10

1 Introduction

The Meat Standard Australia (MSA) Standards Manual is divided into a number of sections. Each section is a standalone document that is issued and amended independently of the other sections.

Australian Meat Industry Language and Standards Committee (AMILSC) is the custodian of the MSA Standards.

All sections of the MSA Standards Manual must be used collectively. Certain sections may not be applicable for a specific business, operation, facility or activity. It is the user's responsibility to determine which section is appropriate for their operation.

1.1 Instructions for control of this document

This Standards Manual, available online from MSA, is a controlled document.

Updates to this Standard will occur from time to time. All printed and/or saved copies are uncontrolled and may not be the latest version.

1.2 Owner confirmation

The owner or controller, as registered with the Authorised Authority, shall be informed of any updates relating to the information contained in this Standard. Attached to any updates regarding this Standard will be a form for notification of changes to the owner or controller of the Standard.

1.3 Amendments and updates

Amendments to this Standard will be issued by way of a formal amendment notification where required.

1.4 Document control confirmation

Change history

Date	Change description	lssue no.
03 May 2013	Initial draft	0.1
18 July 2013	Second draft	0.2
03 September 2013	Third draft	0.3
27 November 2013	Initial release	1.0
20 March 2015	Version 2 – updated to include tamper evident label requirements as approved by taskforce (Feb 2015) and AMILSC (Mar 2015). Version details updated V2.0 Release 20.03.2015	2.0
March 2020	Updated to reflect release of MSA beef model V2.0	3.0
July 2025	Update to reflect release of MSA sheepmeat model V3.0	4.0

8 Independent boning rooms and portion cutting operations

Independent boning rooms and portion cutting operations are to be licensed with MLA to utilise the MSA program.

8.1 Quality Management System

Each Enterprise as defined by the licence application must incorporate these Standards and maintain a Quality Management System as and where required by an Authorised Authority.

An Authorised Authority must approve all Quality Management System documentation related to MSA. The Enterprise must ensure that the documentation is reviewed in accordance with updates to the MSA Standards, to conform to any variations in these Standards or an Authorised Authority's requirements.

The MSA program requirements of the Enterprise may be integrated into existing quality system manuals and procedures of the Enterprise. It is not a requirement to establish a separate Quality Management System Manual.

Each Enterprise will be audited annually by an Authorised Authority.

8.1.1 Trained personnel

The Enterprise is required to provide sufficient trained personnel to ensure that all requirements of the MSA program are effectively maintained.

Details of the training and staff records must be identified in the Quality Management System Manual and approved by an Authorised Authority.

Trained Operatives must have completed one or more of the following modules of MSA training.

B3. MSA product integrity (beef)

- **S5. MSA** sheepmeat integrity
- **B5. MSA** independent boning room training beef
- S9. MSA independent boning room training sheep

The Enterprise must nominate an MSA coordinator, with the responsibility and authority to ensure that the integrity of the

MSA program is maintained in the Enterprise.

The appointed MSA coordinator must have completed the applicable training modules.

8.2 Carcase identification

The Enterprise will require access to accurate and current labelling specifications related to the carcases as identified. This includes, but not limited to, being able to produce the cut by cook report as per the Plant Boning Run supplied by the Processor.

The Enterprise will require the capability to adjust labelling systems to reflect the current specifications for carcases purchased.

8.3 MSA identification

MSA inserts issued, tamper evident labels, and/or printed packaging approved by an Authorised Authority may only be applied at the Enterprise to which the inserts were issued.

MSA inserts, approved tamper evident labels or other approved identification are to be placed in/on packaging of all MSA eligible primals and portion cut products.

Enterprises using approved tamper evident labels to identify MSA Certified Primals must adhere to the following requirements: Each label must:

- be tamper evident
- · have the establishment number, where the product originated, printed on it
- have a unique sequential identification code printed on it
- have minimum of 47mm x 36mm dimensions
- have removal perforations and label 'face cuts'.

For an example of an acceptable tamper evident label, refer to 8.7.2 p8-08.

The Enterprise must:

- have an effective system for recording the sequence numbers used for any production, including a minimum of, the first number used, the last number used and the production date
- have an effective system, for control of use and traceability of labels, documented within their Quality Management System Manual and approved by MSA prior to implementation.

All use of tamper evident labels must be approved by MLA prior to implementation.

An Authorised Authority may withdraw from the Enterprise, for a period determined by the Authorised Authority, all MSA inserts, approved tamper evident labels and/or other approved identification issued by the Authorised Authority.

Without limiting the circumstances in which this action may be taken, it may be taken where the Authorised Authority considers that the MSA integrity of the product is at risk.

8.4 MSA carton label specifications

AUS-MEAT accredited Enterprises licensed in the MSA program are able to include the MSA grade, cooking method(s) and required days ageing or release date within the carton label or carton panel trade description information. MSA information is additional to existing mandatory and optional trade description information and will be subject to the same verification process used during routine AUS- MEAT audits.

Non AUS-MEAT accredited operations are required to apply appropriate product labelling that includes the MSA grade, cooking method(s) and required days ageing or release date.

MSA Grade and Cooking Method can be included within the carton label or carton panel trade description information, these are described below.

- 1. MSA Identification
 - Appears on the end of the cut description line (not mandatory).
- 2. Eating Quality information Must include:
 - Grade
 - MSA3, MSA4 or MSA5
 - Cook Method
 - minimum of 1 cook method as recommended.
 - Ageing requirements
 - Required ageing period to meet quality grade.
 - To be formatted as:

[Cook method]: MSA Grade [3,4 or 5] @ [days age value] days

- [Cook method]: MSA Grade [3,4 or 5] at [days age value] days.
- [Cook method]: MSA Grade [3,4 or 5] @ 5 days, MSA Grade [3,4 or 5] @ [days age value] days
- [Cook method]: MSA Grade [3,4 or 5] at 5 days, MSA Grade [3,4 or 5] at [days age value] days
- 3. Additional information (optional)
 - MQ4 outcome calculated at 5 days ageing only may be included after the initial MSA Grade.
 - MQ4 value to be displayed as a whole number.
 - To be formatted as:
 - o [Cook method]: MSA Grade [3,4 or 5] (MQ4 over [MQ4 value]) @ 5 days or
 - o [Cook method]: MSA Grade [3,4 or 5] (MQ4 over [MQ4 value]) at 5 days.

Refer to section 8.7.3 Examples of MSA descriptions on carton labels for examples.

8.5 Cutting/fabrication/preparation

MSA product must at all times be cut, fabricated and prepared in accordance with the MSA standards. If there is any failure to do so, product must not be sold as MSA product.

For portion cutting operations:

- If portions are cut and presented in the required cooking method/s, the cooking method/s does not have to be stated on the authenticating documentation (e.g. steaks for grill, strips for stir-fry and cubes for casserole).
- Where portions have met the required ageing requirements to meet a MSA eating quality grade, ageing information does not have to be stated on the authenticating documentation.
- Where the Enterprise prepares MSA product for consumption, the Enterprise should use the recommended cut dimensions below.

Cook method	Software descrip- tions	Alternate label descriptions	Recommended cut di- mensions	Cook style	Beef	Sheepmeat (2005)	Sheep- meat (V3.0)
Grill	GRL	GRL, Grill	Beef – minimum 21 mm Sheepmeat – minimum 15mm	Dry	x	х	х
Roast	RST	RST, Roast	Whole primal	Dry	х	Х	Х
Roast Combi	RSC	RSC, Roast Combi	Whole primal	Steam	x		
Stir Fry	SFR	SFR, Stir Fry	10mm (W) x 10mm (H) x 75mm (L)	Dry	x		
Stir Fry	SFR	SFR, Stir Fry	6mm (W) x 15mm (H) x 60mm (L)	Dry		Х	х
Thin Slice	TSL	TSL 2mm, Thin Slice 2mm	2mm thin slice	Dry	х		
Roast thin slice cold	RC2	RC2mm	2mm thin slice	Dry	х		
Roast slice cold	RCT	RCT	10mm slice	Dry	х		
Slow Cook*	SC	SC, Slow Cook CASS, Cass, Casserole	20mm cube	Wet	X	Х	x
Slow Cook 4h	SC4	CASS4, Cass4, Casserole 4h SC4, Slow Cook 4h	20mm cube	Wet			X
Sous Vide (diced)	SVD	SVD	20mm cube	Wet	x		
Corn	CN	CRN, Corn	Whole primal	Wet	х		
Yakiniku	YAK	YAK, Yakiniku	4mm thin slice	Dry	Х		
Shabu Shabu	SSB	SSB, Shabu Shabu	2mm thin slice	Wet	х		
Texas BBQ	TBQ	TBQ, Texas BBQ	Pulled	Dry			x

* Slow cook labels for Sheepmeat must also include '2h' as part of the description.

8.5.1 Beef product packaged in Modified Atmospheric Packaging (MAP)

Where the Enterprise prepares MSA lamb product to be packaged in 80:20 oxygen:carbon dioxide MAP and intends to identify as the MSA eating quality on product labelling, the Enterprise should prepare the MSA Certified Product as follows:

Cook method	Software descriptions	Alternate label descriptions	Recommended cut dimensions	Cook style	
Grill	GRL	MAP GRL, MAP Grill	21mm steak minimum	Dry	
Roast	RST	MAP RST, MAP Roast	Whole primal	Dry	
Roast Combi	RSC	MAP RSC, MAP Roast Combi	Whole primal	Steam	
Stir Fry	SFR	MAP SFR, MAP Stir Fry	10mm (W) x 10mm (H) x 75mm (L)	Dry	
Thin Slice	TSL	MAP TSL 2mm, Thin Slice 2mm	2mm thin slice	Dry	
Roast thin slice cold	RC2	MAP RC2mm	2mm thin slice	Dry	
Roast slice cold	RCT	MAP RCT	10mm slice	Dry	
Slow Cook	SC	MAP CASS, MAP Cass, MAP Casserole	20mm cube	Wet	
Sous Vide dice	SVD	MAP SVD	20mm cube	Wet	
Corn	CN	MAP CRN, MAP Corn	Whole primal	Wet	
Yakiniku	YAK	MAP YAK, MAP Yakiniku	4mm thin slice	Dry	
Shabu Shabu	habu Shabu SSB MAP SSB, MAP Shabu Shabu 2mm thin slice		2mm thin slice	Wet	

The Enterprise must ensure that the product:

- is identified as MAP eligible for the appropriate cook method on the carton end panel; or
- the cut by cook report is provided by the supplier for the corresponding products
- has been aged to the minimum days age for the relevant cut by cook and eating quality outcome prior to being packed into MAP.

If the cut by cook report, or MAP-eligible information is not available, beef products in MAP are not permitted to carry the MSA Trade Mark

8.5.2 Sheepmeat product packaged in Modified Atmospheric Packaging (MAP)

Where the Enterprise prepares MSA lamb product to be packaged in 80:20 oxygen:carbon dioxide MAP and intends to identify as the MSA eating quality on product labelling, the Enterprise should prepare the MSA Certified Product as follows:

Cook method	Software descriptions	Alternate label descriptions	Recommended cut dimensions	Cook style
Grill	GRL	MAP GRL, MAP Grill	Minimum 15 mm	Dry
Roast	RST	MAP RST, MAP Roast	Whole primal	Dry
Stir Fry	SFR	MAP SFR, MAP Stir Fry	6mm (W) x 15mm (H) x 60mm (L)	Dry
Slow Cook 2h	SC2	MAP SC2, MAP Slow Cook 2h	20mm cube	Wet
Slow Cook 4h	SC4	MAP SC4, MAP Slow Cook 4h	20mm cube	Wet
Texas BBQ	TBQ	MAP TBQ, MAP Texas BBQ	Pulled	Dry

The Enterprise must ensure that the product:

- is identified as MAP eligible for the appropriate cook method on the carton end panel; or
- the cut by cook report is provided by the supplier for the corresponding products
- has been aged to the minimum days age for the relevant cut by cook and eating quality outcome prior to being packed into MAP.

If the cut by cook report, or MAP-eligible information is not available, sheepmeat products in MAP are not permitted to carry the MSA Trade Mark.

8.5.3 Freezing of MSA beef and sheepmeat

Where MSA beef and/or sheepmeat is to be delivered and/or sold as frozen, the minimum ageing requirements for the cut to become MSA eligible must be met prior to freezing. This includes the mandatory five-day ageing period required to be MSA eligible.

8.6 Dispatch/sale

Where MSA products are delivered and sold as MSA Certified Product, authenticating documentation identifying the eating quality outcome must accompany the product.

If the Enterprise does not distinguish between eating quality outcomes, for example MSA 3, 4 or 5 star, the authenticating documentation must still state MSA or MSA graded and product description. Without limiting this, MSA carton labels or MSA plant carton labels must be attached to the cartons and all primals and portions must include MSA inserts, approved tamper evident labels or approved printing packaging.

Where authenticating documentation is lost or damaged, product must not be sold as MSA product.

Where MSA primals are sold to an MSA supplier, authenticating documentation must be supplied with the product together with details of the Enterprise MSA license number and appropriate cook method for the grade and ageing requirements.

Where MSA product is on-sold to an Enterprise, which is not an MSA licensee, it must not be sold as MSA product.

Where branded products are underpinned by MSA and the MSA trademark is used, these products must contain only MSA product.

8.7 Reference material

8.7.1 MSA generic insert



8.7.2 Example of an acceptable MSA tamper evident label



8.7.3 Examples of MSA descriptions on carton labels







8.7.4 MSA invoice examples

	A	lussie	Mea	ut 1	Frading	C	ompa	ny		
			ABN	: 11	222 333 44	14				
evel 1, 40 M	lount Street						Meat	Stand	dards /	Australia
orth Sydney	y NSW 2059						Licen	sed su	pplier	A123
nail: meats	ales@meat.	com.au								
							Invoice	number	287795	
Johnny's (Quality Meat	x	1			1	Ship To:			
PO Box 3							64 Smith I	Road		
Sydney NS	W 2000						Sydney NS	SW 200	0	
Salesper	son: ST								Transp	ort: MAC
Custon	ner code	Dat	e	Or	der number Terms			Delivery		elivery
JQM 28/06/2018			2018		119819 21 day			5		
	_					_				
Code	Descript				No.	We	ight (kg)	Unit	price	Amount
EQGBC	EQG be	ef carcase			2		480	\$	7.50	\$3600
YGBC	YG beef	carcase			1		185		\$6.30	\$1165.5
LCMSA	L lamb o	arcases-M	ISA		5		110	\$6.00		\$660
HC012	H hogget carcases				3		75	\$5.00		\$750.00
Total			-	11	Total weight		850	Amo Ex. G		\$6175.50
								GST		0.00
								Freig	ht	\$50.00

	P			Trading	-	y		
		,	ABN: 1	1 222 333 44	14			
vel 1, 40 Mo	ount Street				Meat	Standards /	Australia	
orth Sydney	NSW 2059				Licen	sed supplier	A123	
nail: meatsa	les@meat.	com.au						
					Invoice	number 287795		
Johnny's Q	uality Meat	s			Ship To:			
PO Box 3					64 Smith I	Road		
Sydney NSV	N 2000				Sydney NS	SW 2000		
Salespers	on: ST					Transp	ort: MAC	
Custom	er code	Date	0	rder number	Terms	Terms De		
JQ	M	28/06/201	8	119819	21 days	21 days		
Code	Descript	ion		No.cartons	Weight (kg)	Unit price	Amount	
CUR610	YG MSA	Cube rol 2.2k	g+	5	122.5	\$20.50	\$2511.25	
RMP513	PR Rum	p		4	102.4	\$6.50	\$665.60	
OYST300	PR MSA	Oyster blade		2	34.6	\$17.00	\$588.20	
LEG100	L Lamb	leg chump on	-MSA	3	48	\$10.00	\$480.00	
Total cartons			14	Total weight	307.5	Amount Ex. GST	\$4245.05	
					1	GST	0.00	
						Freight	\$50.00	
		rictly as above				Total	\$4295.05	